In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

I, Peter Baddiley, of Level 21, 69 Ann Street, Brisbane, in the State of Queensland, say as follows:

1. I am the Regional Hydrology Manager for Queensland in the Bureau of Meteorology (**the Bureau**). This is my second witness statement as my first witness statement was submitted to the Queensland Floods Commission of Inquiry (**the Commission**) on 5 April 2011.

2. This statement is provided in response to:

    a. matters which have been raised before the Commission which are relevant to the Bureau and require more detailed information and explanation from me in my capacity as Regional Hydrology Manager for Queensland in the Bureau;

    b. a request from the Commission dated 12 April 2011. Attached hereto and marked **"PB2-1"** is a copy of this request for information **(the 12 April Request)** regarding issues raised in submissions and statements received by the Commission relating to the Queensland regions of the Western Downs, Southern Darling Downs and Border districts;

    c. a request for information from the Commission dated 28 April 2011. Attached hereto and marked "**PB2-2**" is a copy of this request for information (**the 28 April Request**); and

    d. a request for information from Ipswich City Council dated 18 April 2011 **(the ICC request**) which was provided by the Commission to me on 29 April 2011. Attached hereto and marked **"PB2-3"** is a copy of this request for information.

3. Except where otherwise stated, I make this statement from my own knowledge and on information and belief after making enquiries within the Bureau.

Lodged on behalf of the Commonwealth of Australia

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Correction to my first statement dated 5 April 2011

4. In my first statement at paragraph number 18, in the first sentence I referred to the 'Ipswich City Council'. This was in error and I wish to correct that by deleting 'Ipswich City Council' and instead inserting the words 'Somerset Regional Council'. The first sentence of paragraph 18 should now read: 'In relation to communications with Seqwater other than the FOC, I was involved in a telephone conference on Monday 10 January from approximately 12:30pm to 1:20pm arranged by the SEQ Water Grid Manager which, as far as I am aware, involved the SEQ Water Grid Manager, Queensland Department of Premier and Cabinet, Seqwater, the Brisbane City Council, and the **Somerset Regional Council**.' (emphasis added)

Report and background briefing previously provided by the Bureau to the Commission of Inquiry

5. As advised in my first witness statement, I was involved in the preparation of a detailed report to the Commission titled 'Report to Queensland Floods Commission of Inquiry: provided in response to a request for information from the Queensland Floods Commission of Inquiry received by the Bureau of Meteorology on 4 March 2011' (**the Report**), which was prepared in response to an earlier request for information from the Commission received by the Bureau on 4 March 2011. A copy of the Report is attached as "JD-1" to Mr James Davidson's witness statement which was submitted to the Commission on 4 April 2011.

6. I also contributed to the 'Provision of Preliminary Meteorological and Hydrological Information: Background Briefing for the Queensland Floods Commission of Inquiry' (**the Background Briefing**) which was provided to the Commission on 17 March 2011. A copy of the Background Briefing is attached to my first witness statement and marked as "PB-2".

7. To avoid repetition, in responding to the issues outlined in paragraph 2 above, I will refer to relevant sections of the Background Briefing, Report, my first witness statement and the statement of Mr. James Davidson where it is appropriate.

A. <u>Background information regarding the flood warning systems and services in Queensland</u>

8. To address the issues identified in paragraph 2 above and to assist the Commission with its consideration of issues under its Terms of Reference, I provide further background information regarding the flood warning systems and services provided by the Bureau in Queensland. The following information should be considered in conjunction with the information already provided by the Bureau and its representatives to the Commission.

Introduction

9. The guidelines in 'Managing the Floodplain' (Manual 19, The Australian Emergency Manual Series published by Emergency Management Australia, Australian Government Attorney-General's Department) annexed hereto and marked as **"PB2-4"**, identify flood emergency measures, such as flood warning, evacuation and recovery plans, as one of a group of management measures to address flood risk. These management measures include structural flood mitigation measures (e.g. dams, detention basins, levees, channel improvements, etc) and non-structural mitigation measures. The latter includes land use planning controls, development and building controls and flood emergency measures.

10. In Australia, and Queensland in particular, where the range of flood magnitude at any given location tends to be large, the risk of flooding can be reduced by the use of an appropriate mix of floodplain management measures (structural and non-structural), but it is rare that the risk of flooding can be entirely removed. Thus, flood warning is generally required to assist in further reducing the risk to life (people and livestock) and property damage.

11. It is important for those agencies and communities involved in developing and contributing to the operation of flood warning systems to understand the flood risk at the location or area under consideration. An understanding of the flood risk, at least in terms of the nature of the hazard and its likely impact, if not its likelihood, is especially important to those affected agencies, businesses and individuals who need to take appropriate action in the days and hours ahead of an impending flood.

Flood likelihood

12. Structural and non-structural flood management measures are generally designed to a designated or selected flood standard which is less than the probable maximum flood magnitude at the location. For example, a flood standard for some more significant measures (such as a flood levee or for setting minimum habitable flood levels of a building) can be "the 1 in 100 year" flood or "Q100". It is instructive to examine the risk associated with using such a standard, because whilst it appears conservative or as having a low chance of occurring, from the perspectives of at least designing and operating flood warning systems and community understanding of flood risk, the actual risk can be misunderstood if expressed in these terms.

13. Q100 is a flood magnitude that theoretically has a one percent chance of being equalled or exceeded in any given year for the location under consideration. It has an Annual Exceedance Probability (AEP) of 1% (or expressed as odds, "1 in 100"). In technical documentation and studies, AEP is the preferred terminology.

14. One hundred years is the average period (Average Recurrence Interval or ARI) between expected exceedances over a very long time period (say an expected occurrence of 10 times in 1000 years). It is important to note that an ARI of, say, 100 years does not necessarily mean that the event will only occur once every 100 years. In fact, for each and every year, there is a 1% chance (a 1 in 100 chance) that the Q100 flood will be equalled or exceeded (once or more than once). So, for example, floods of the magnitude of Q100 can occur in two successive years at the same location. Also, the estimation of the magnitude of a Q100 flood for a location may have considerable uncertainty because of the relatively short length of flood records.

15. For consideration of flood risk when evaluating the need for a flood warning system or other flood mitigation measures, it is important to also consider the chance of occurrence over a longer period. For example, using statistical calculation, in a 50 year period there is approximately a 40% chance ("4 in 10") of a "100 year" flood or greater at any location of interest. Thus, the chance of a developed area on a floodplain, even at the level of Q100, being flooded at least once in a period of decades is relatively high. Similarly, the chance of a Q100 levee being overtopped (and for which a flood warning system is required) at least once in the next several decades is relatively high – much higher than is generally understood by the expression of Q100 or "100 year" flood.

16. This statistical analysis can be further extended for flood warning and emergency response considerations to examine the risk of larger floods occurring. For example, the chance that the "1000 year" flood (Q1000) will occur in the next 10 years in any given location is approximately 1% ("1 in 100"). For the entire area of Queensland, the chance of flood events greater than the standard "Q100" occurring somewhere in Queensland in any given year is relatively high, particularly in wet periods.

17. These probability concepts similarly apply to rainfall probability (e.g. the "100 year" rainfall). A summary of rainfall statistics and ARI/AEP definitions is given at Appendix K of the Report. The Bureau also has a document available on its website titled 'Why do 100 year events happen so

often' (www.bom.gov.au/water/designRainfalls/rainfallEvents/why100years.shtml>) which explains why intense rainfall events seemingly occur more often than is typically expected.

Flood risk in Queensland

18. A study entitled 'Urban Flooding in Queensland – A Review', undertaken by Mr David Ingle Smith for the then Queensland Department of Natural Resources, was published in February 1998 (**the 1998 Study**) and is attached hereto and marked **"PB2-5"**. In relation to flood warning, the 1998 Study reported on approximately 100 localities in Queensland at risk from flooding. For these localities, estimates were provided of the number of buildings at risk from a 1% AEP flood (Q100); the existence of flood warnings systems (as at 1998) was detailed; and flood warning (lead) times were given. Some of the latter information was drawn from information sourced from the Bureau. The study commented that "*Analyses, provided by the Bureau of Meteorology, indicate that the warning times for flood forecasts for 100 flood prone urban locations (about 70% of the total) are less than 12 hours. Thus, the best possible preparedness and responses are necessary if the benefits of the forecasts are to be fully captured.".*

19. The Bureau has contributed to other specific publications on flood risk such as risk studies within the AGSO (Geosciences Australia) Cities Project. These include 'Community risk in Cairns: A multi-hazard risk assessment' (1999); 'Community risk in Mackay: A multi-hazard risk assessment' (2000) and 'Natural hazards & the risks they pose to south-east Queensland' (2001).

20. The assessment of flood risk to life and property for many locations needs to consider other characteristics in addition to area and depth of inundation, such as water velocities, natural and man-made levee overtopping, overland flow paths, "shrinking islands" (areas which become isolated by flood waters before being inundated as the flood increases) and flood impact on critical infrastructure. Although some of these behaviours are simply established or are learnt from experience, identification of these hazards mostly requires detailed hydraulic model studies of floodplains. Flood studies undertaken by Local Government, say for the purpose of land-use planning, should provide some of this additional information for the purposes of flood emergency management. However, additional specific studies undertaken by Local Government for flood emergency management planning are typically required to produce flood hazard maps and other detailed information for direct application during flood events. The Bureau provides, upon request, base data (e.g. past rainfall and water level data) and technical advice for some of

these flood studies. When flood studies are made available to the Bureau, the results are used to refine or adjust the Bureau's flood forecasting model.

Flood warning

21. In the context of management measures including flood warning, riverine floods are considered to be one of the most "manageable" natural disasters, in that they potentially have a useful level of predictability (of inundation area, depths and velocities on a floodplain) and intrinsic warning lead-time associated with the time for flooding to develop after rainfall and move downstream along watercourses. Furthermore, the impact and damage component of riverine flooding can be reduced or even avoided provided that appropriate action is taken by agencies and affected communities in the lead up to the expected or predicted flooding.

22. The manual titled "Flood Warning" (Manual 21, The Australian Emergency Manual Series published by Emergency Management Australia, Australian Government Attorney-General's Department) (**Manual 21**) annexed hereto and marked as **"PB2-6"**, describes the components of a "total flood warning system" (which is also commonly referred to as an "end-to-end" warning system). These components include: monitoring and prediction; interpretation; message construction; communication; protective behaviour; and review.

23. Table 1 on page 10 of Manual 21 provides a summary of current (as at 2009) organisational responsibilities for flood warning in Queensland as follows:

    a. Prediction: Bureau of Meteorology

    b. Interpretation: Department of Community Safety (DCS) and Local Government

    c. Dissemination: Bureau/DCS/Local Government

    d. Response: DCS/Queensland Police Service/Local Government

24. The Bureau recognises this allocation of responsibilities as striking a necessary and essential balance between the roles of the Bureau in flood warning with those of state and local government, especially in the critical areas of interpretation, dissemination and response. Especially for urban areas, state and local agencies play a crucial role in determining, for example, the floodplain areas which are likely to flood and which areas are to be evacuated, and promulgating this detailed information together with any specific actions that need to be taken

by the flood-affected community. The success of a flood warning service, and especially in the case of flash floods, in achieving the appropriate responses and actions to minimise loss of life and property damage depends on each of these elements being present and working in a coordinated and effective manner. The Bureau works with other State and local government authorities across Australia in a similar manner.

Catchment monitoring systems

25. The Bureau's ability to provide flood warnings and predictions, and for local agencies and communities to monitor the status and progress of flooding is dependent, to a large extent, on the existence of adequate catchment (rainfall and water level) monitoring. Catchment monitoring can range from very simple arrangements for the taking of rainfall and water level observations by individuals and communicating these to others (as has been the basis of flood warning in the past century), to automated networks of rainfall and water level stations providing data through various telephone, radio and Internet communication channels.

26. The flood warning network (i.e. the network of rainfall and water level/river height stations) used for flood warning in Queensland is summarised at Section 1.2.4 of the Report (Paragraphs 38-43). Some matters relating to the duplication of equipment and the installation of new or upgraded flood warning systems are also addressed in my first statement at Paragraphs 26 to 30. A key feature of the flood warning network is the cooperative basis under which it is established and operated, as mentioned in Paragraph 42 of the Report.

27. Figure 1.2.4.1 of the Report (Paragraph 39) shows the sustained growth of the automated flood warning monitoring stations that has continued in Queensland since the late 1980s. The different types of monitoring systems used in flood warning are described in more detail in Paragraph 28 of this statement.

Types of flood warning monitoring (rainfall and water level) systems

28. There are four main types of rainfall and water level monitoring systems in use in flood warning in Queensland, briefly summarised as follows:

    a. ***Manual observations.*** Individuals (e.g. rural property landholders, town residents) and representatives of agencies (eg local government, Police) take readings of rainfall (from simple rain gauges) or water level from staff gauges (typically a set of one metre markers) which are provided to the Bureau's computer systems via the telephone (using

a purpose-built Bureau Remote Observer Terminal) or via the Internet. In the case of the latter, the rainfall or water level reading is lodged by using a Bureau website developed for this purpose.

b. ***Automatic telephone-based equipment***. These are generically known as "telemeters" and comprise automatic rainfall and/or water level measurement equipment connected to a "data logger" which records the information and enables its communication to the Bureau and other agencies via one or more forms of telephone communication (landline, mobile and/or satellite). Typically, the information in the data logger at each telemeter station is downloaded at regular intervals (e.g. hourly or 3 hourly) to the Bureau computer system. This is known as "pull communication". The alternative is "push communication" whereby the field station initiates the reporting, typically using digital data transfer over Internet ("data over IP"). The latter is progressively becoming the standard as old equipment is replaced.

c. ***Flood ALERT systems.*** These comprise a network of automatic rainfall and/or water level monitoring stations (typically 5 to 50 stations, depending on catchment characteristics and flood risk) that effectively provide continuous reporting of changing conditions at each monitoring location throughout the area of concern (i.e. the area or catchment locally deemed to be at high risk of flooding or flash flooding). "ALERT" is an acronym for Automated Local Evaluation in Real Time. The data is reported via VHF radio communication (i.e. no reliance on telephone) to base station computers at the local agency (e.g. Local Government) and to the Bureau, and elsewhere as required.

"Event-reporting in real-time": The reporting by ALERT systems is said to be "event-reporting in real-time" as reports are automatically triggered at the field station whenever an "event" occurs. In this context, an "event" is typically 1mm of rainfall occurring at a field station, or a rise or fall in water level of 5 centimetres. Different resolution events can be defined according to the requirement, for example, 0.2 millimetres of rainfall or 2 centimetres change in water level. The data is collected, analysed and displayed at the local base station computers by the Bureau's Enviromon software, which can also be used to send alarms to locally defined recipients (via email, SMS) for pre-defined threshold conditions (for example, exceeding a particular rainfall intensity or exceeding specified water levels at one or more field stations).

d. ***Other networks via FTP data transfers.*** Other agencies, for example DERM and SunWater, send updates of data from their networks of rainfall, water resource gauging and tide stations directly to the Bureau's computers using the "File Transfer Protocol" on Internet. The regularity of the data updates depends in turn on the updating that the owner-agency achieves from its particular monitoring station equipment which is predominantly telephone-based. Funding from the Australian Government's Modernisation and Extension of Hydrologic Monitoring Systems Program, administered by the Bureau, is being used to accelerate the modernisation of water resource gauging stations for the purposes of improved national water information. Further information on this program can be found at < http://www.bom.gov.au/water/regulations/fundingProgram/index.shtml>. Whilst this modernisation program does not provide funding specifically for flood warning purposes, the modernisation of water resources gauging stations and related data collection systems has provided, and will continue to do so, considerable supplementary benefits in making more timely data available for flood warning.

29. The choice of which type of field monitoring equipment and systems to employ for flood warning in any particular catchment depends on a number of factors including the flood warning objective being sought; local agency involvement and capacity; the size of the catchment; rainfall-flood response times and available forecast lead times; the forecasting methods applicable (e.g. models and forecasts based on rainfall and/or flood routing from an upstream water level station); and reliability of communications and duplications required to achieve robustness of equipment and systems. The Bureau's view is that, whilst there is a place for a mix of manual and automatic observations to enhance system coverage and duplications, there are significant advantages in primarily utilising automated stations to achieve flood warning objectives. It is critical though that there is secure communications and a sustainable operation and maintenance capacity for the long-term operation of automated stations. There remains a role, however, for effective use by the Bureau of local information, including reports of rainfalls and river heights by volunteers, to support automatic monitoring stations.

Summary of the cooperation between the Bureau, local governments and other water agencies in flood warning in Queensland

30. The Bureau/state/local ownership of the rainfall and water level monitoring stations is summarised in the Report at Paragraph 42. The steady increase of numbers of automatic flood

warning stations over the past two decades is shown in the Report in Figure 1.2.4.1 at Paragraph 39.

31. As at 2011, approximately 28 local governments (based on post-amalgamation structures) are involved in the cooperative development of flood warning systems and monitoring networks, covering most of the more heavily populated parts of the state. Approximately 20 of these are involved in the operation of Flood ALERT systems and the remainder have been involved in establishing either manual river height stations or automatic telephone-based (telemeter) rainfall and/or water level stations.

32. In addition to local government activities with the Bureau, Seqwater and NQWater operate Flood ALERT systems associated with the operation of dams and storages in south east Queensland and for Ross River Dam (NQWater) near Townsville.

33. Including those systems installed by dam operators, the ALERT systems in Queensland comprise about 670 rainfall and/or river height stations, all of which have been installed since the late 1980s. Most of the ALERT systems are directed towards riverine or non-flash flood warning, but several systems have a component specifically for the purpose of flash flood monitoring and warning where local agencies have identified this as a major risk.

34. DERM and SunWater provide data from their respective water resource gauging station networks and dam monitoring networks freely to the Bureau for the purpose of flood warning. About 460 stations operated by DERM and about 75 SunWater stations are integrated into the flood warning system. Both agencies provide regular 'FTP data transfers' to the Bureau as described in Paragraph 28 of this Statement, as well as allowing the Bureau to make direct connection with gauging stations for downloading of data on demand (e.g. at 3 hourly intervals, or more frequently, during floods).

Funding for flood warning monitoring stations (rainfall and water level)

35. Since the mid 1990s, the funding of rainfall and water level monitoring stations specifically installed for flood information and warning purposes has largely been via a series of national programs including the Regional Flood Mitigation Program, the Natural Disaster Mitigation Program and currently the Natural Disaster Resilience Program (NDRP). In each of these funding programs, the essential principle is that the local agency (generally Local Government) determines a risk of flooding, applies for funding and if successful, receives Commonwealth and state funding support to establish a new or upgraded flood warning system which becomes an

asset owned and maintained by the funded local agency. Some local agencies have fully funded flood warning monitoring stations without seeking funding support.

36. The Bureau is not involved in the assessment process for NDRP applications, but will often provide information, by way of advice on the location of flood warning stations, technologies and costings, to agencies making application for flood warning systems.

37. The shared-funding and operation of flood warning monitoring and information systems realised through these funding programs is broadly consistent with the Commonwealth policy setting for flood warning established in 1987. In 1987, the Commonwealth developed an arrangement for sharing the responsibility for flood warning between the three levels of government, recognising that effective flood warning systems required coordinated involvement of all levels of government. This was consistent with the developing "total flood warning–response system" approach. This arrangement also specified that 'the Bureau of Meteorology would remain the lead agency'. These arrangements also provided some funding to the Bureau to assist the establishment of new and improved flood warning systems with state/local agencies according to the cost-sharing principles embodied in these new arrangements. Further details are provided at paragraph 38. Subsequently, Local Governments in Queensland accessed the Regional Flood Mitigation Program (and successor programs) for funding.

38. In these arrangements, the cost-sharing principles for the development of non-flash flood systems prescribed that the Bureau share the costs of developing, maintaining and upgrading rainfall and river height networks with state/local government agencies. In general, the Bureau has responsibility for the rainfall networks and the state/local agencies have responsibility for the river height networks. Where flash-flood risk is ascertained by local agencies, the Bureau's role is to maintain a central source of advice and system knowledge and to provide assistance to state and local agencies.

Specific arrangements for the State of Queensland

39. In late 1987, the Bureau embarked on a program of meetings with States regarding the flood warning arrangements. In November 1987, the Bureau met with representatives of the then Premier's Department, Queensland Water Resources Commission, State Emergency Service and the Queensland Police Service.

40. Shortly after the meeting of November 1987, the Premier's Department agreed to the establishment of the Queensland Flood Warning Consultative Committee (FWCC) and

nominated the then State Emergency Service and Water Resources Commission as the state's representatives. The Local Government Association of Queensland (LGAQ) was also an inaugural member agency of the FWCC. The role of the FWCC was to facilitate cooperation among the partner agencies involved in flood warning and to assist the establishment of priorities for new and improved systems and services.

41. These interactions with State flood authorities and LGAQ regarding Bureau/state/local cooperation in flood warning continued into the 1990s and 2000s through the FWCC, and increasingly via direct communication between the Bureau and the current DERM, Emergency Management Queensland (EMQ) and specific local governments around the state. As described in my first witness statement at Paragraph 34, since 2007, the FWCC essentially acts as an advisory or liaison body to the Queensland Flood Consultative Committee (QFCC) which is chaired by EMQ. In practice, because of the commonality of membership between the two Committees and the overlapping interests, the FWCC effectively meets concurrently with the QFCC.

42. Where local agencies have been successful in gaining funding via the NDRP and previous funding programs, generally the Bureau has provided advice and assistance in the design and establishment of the flood warning monitoring stations or network. The type of flood monitoring stations includes manual stations and automatic telephone-based and Flood ALERT systems (described in Paragraph 28) depending on the situation. In most circumstances for ALERT-type systems, the Bureau has also provided and supported the Bureau software known as Enviromon (see Paragraph 28(c)). In recognition of its lead agency role, the Bureau also assists the local agency to maintain automatic monitoring stations by local education and training and visits to monitoring stations in the company of the local agency or its contractor to ensure proper operation. Data from these monitoring stations is made freely available to the Bureau and is integrated into the Bureau's flood warning and information services, including at the Bureau's website for wide agency and public use.

43. As previously summarised in Paragraphs 30 to 34 of this Statement, the progress made in establishing flood monitoring systems in Queensland since the late 1980s has been very substantial. In 1986, the total number of stations (rainfall and river height) specifically for flood warning was 390, of which only about 35 were automatic. In 2011, there are about 1,650 stations (not including a further 550 daily rainfall, synoptic and automatic weather stations) of which about 1,250 are automatic. However, while the Bureau is ready to provide general advice

on such arrangements for the establishment and operation of new systems and stations, the Bureau does not have the capacity to extend these arrangements to other catchments unless additional resources are provided through other State and Local Government funding arrangements (and as may be endorsed through the QFCC).

Issues affecting flood warning and monitoring

44. Whilst there has been significant growth in the development of flood warning monitoring systems in Queensland as summarised in Paragraphs 30 to 34 of this statement, there are many areas of Queensland for which there may exist a "basic" (incomplete and/or sparse) flood warning monitoring network, or no monitoring network at all. Some of these areas were affected by the past wet season flooding. Identification of the flood risk at any given location is of paramount importance in assessing the priorities for future investment in flood warning. As has been witnessed in the recent episodes of severe flooding, the experience of flooding and its unexpected impacts often occurs ahead of identification of the need for flood warning, and other flood risk management measures, through strategic flood risk management studies.

45. The best-practice principle of firstly "understanding the risk" to enable effective planning for floods, including the planning for flood emergency measures, is further explored in 'Flood Preparedness' (Manual 20 of the Australian Emergency Manual Series The Australian Emergency Manual Series published by Emergency Management Australia, Australian Government Attorney-General's Department) annexed hereto and marked as **"PB2-7"**.

46. The NDRP, similar to its predecessors, provides funding assistance for the establishment of flood warning systems (i.e. the cost of equipment and its installation), while funding for the ongoing operating and maintenance costs of these systems is largely the responsibility of the local agency. The sustainable maintenance of automated flood warning stations is a challenge for the smaller local agencies in particular due to resource constraints.

47. The Bureau makes available a large amount of detailed rainfall, river height and flood information on its website. The website contains maps of catchments and rivers showing the monitoring locations for which detailed information is available. This information is both static (e.g. levels of minor, moderate and major flooding; past flood information; heights of road crossings, etc) and changing information (e.g. the latest available rainfall or river height readings). The flood warnings cannot contain all of the available information for all locations. Only some of the more significant information can be included in river height bulletins and flood

warnings. The Bureau's flood warning website for Queensland at http://www.bom.gov.au/qld/flood/ makes all of this additional flood-related data accessible via maps and links. In addition, representatives of local governments often telephone the Bureau's hydrologists during floods for more detailed information regarding predictions for locations included in flood warnings and for more information for locations that are not included in flood warnings. These telephone discussions may also involve the provision of scenarios, for example, of potential flood heights based on forecast rainfall, and consideration of possible higher levels being reached where predictions are uncertain.

B. <u>Flood warning service during the December 2010 – January 2011 period</u>

48. An overview of the flooding during the December 2010 – January 2011 period is given in the Report at Paragraphs 82-98. The flood warning service provided during that period is briefly described in the Report at Paragraphs 32-37. The Flood Warning Centre (FWC) of the Bureau participated in numerous disaster management and media briefings, an overview of which is provided in the Report at Paragraphs 99-118 and at Appendix J of the Report.

49. Paragraph 37 of the Report refers to about 800 Flood Warnings (later determined to be almost 890) having been prepared and issued by the FWC of the Bureau for the two month period of December 2010 and January 2011, a significant increase on previous similar periods. A full copy of the Flood Warnings (which also contain the river height predictions) issued by the Bureau are attached hereto and marked as **"PB2-8".** More "metric" information regarding other services and numbers of products supplied by the FWC during the December 2010 and January 2011 period, including river height predictions, is attached hereto and marked as **"PB2-9".**

50. During February and March 2011, another 400 Flood Warnings, containing about 220 predictions for about 40 locations, were issued for the flooding which was continuing to occur in Queensland.

51. Bureau River Height Bulletins for all river stations in Queensland are issued 3 hourly during the period of a flood event. Flood Warnings are generally issued 6 hourly during flood events, although at times more frequently for smaller river systems where the situation can change rapidly. In some locations this may be insufficient and more frequent updates may be needed. The Flood Warning Centre (FWC) updates modelling and predictions more frequently depending on the situation and the rainfall and water level data that is available, and has more information than can be presented in the public Warnings and website. Local council engineers are

encouraged to contact the FWC hydrologists on a regular basis during floods for updates as required.

C. River height predictions during the December 2010 – January 2011 period

52. A description of the flood modelling undertaken by the Bureau is described in the Report at Paragraphs 46-53. The flood modelling assists the preparation of Flood Warnings and river height predictions at specific locations. As shown in PB2-9, almost 1200 quantitative river height predictions (i.e. a specific river height in metres, as distinct to a qualitative prediction in terms of the broad descriptors of minor, moderate and major flooding) for over 100 locations in Queensland were provided in the Flood Warnings issued during the December 2010 – January 2011 period. This figure only includes those predictions published within the Flood Warnings and does not include additional predictions for additional locations provided during briefings and upon request.

53. Appendix I of the Report (pages 629 to 770) contains location specific flood summaries for 24 locations. In addition to providing some information describing the flood at each location, these summaries provide key information regarding the Flood Warnings issued and the river height predictions issued for each of the 24 locations.

D. Factors to consider in interpreting flood warnings and river height predictions

54. For the interpretation of expected floods, it is important to understand that quantitative river height predictions given within Flood Warnings and in briefings are generally of two types:

    a. **Rising flood height prediction**, e.g. *"reach 7 metres at 6pm with further rises".* These predictions (also known technically as "rising limb predictions") are given when it is not possible to predict a peak flood level because the flood situation is continuing to develop (e.g. rainfall is continuing in the catchment) or it is too far ahead in time to make a reasonable prediction of the peak height to be reached at a downstream location. The key message is that the river height is predicted to be reached at or by the nominated time, and then exceeded; and

    b. **Peak flood height prediction**, e.g. *"peak at about 7 metres at 6pm".* A peak flood height prediction indicates a likely maximum flood level to occur and its estimated time. It is important to understand from a flood management and response perspective that the flood may have reached near to its peak height well before it actually achieves the peak

flood level. This depends on the shape of the hydrograph (how the river height or flow varies with time) – some are very "broad" whereas others are described as "narrow" or "peaky".

55. Where a flood warning monitoring and prediction system exists, typical forecast "lead" times (i.e. the amount of advance warning time for a river height prediction) for a particular location are broadly determined and constrained by either the duration of the rain-to-flood delay (catchment response time), dam release strategies by the dam operators or the flood travel time available from an upstream location, or a combination of all three.

56. For a given location, longer forecast lead times of a river height are generally less certain (or potentially less accurate) and forecast rainfall may be critical depending on the particular circumstances. Longer lead-time predictions (i.e. looking further ahead than that given publicly in the Flood Warning) are often given by the Bureau in the various emergency management briefings and can be scenario based (e.g. scenarios of longer-range projections of upstream flood peaks occurring, or based on a range of forecast rainfall amounts).

57. Large floods, such as occurred in many locations during December 2010 and January 2011, often have much less time for warning, prediction and response because of high rainfalls over the upstream catchments, including those in an immediate upstream area. High local inflows can be generated which can significantly reduce time to flooding, and hence significantly reduce the time available for an appropriate response to be taken by agencies and those affected on the floodplain. In addition, some local area catchments may not be well monitored, or may have no rainfall or water level monitoring stations.

58. The issue of large floods with a potentially shorter time available for forecasting and response, has implications for flood forecasters and disaster managers, and needs to be taken into account as far as possible in the design of monitoring, forecasting and warning systems and in the planning for an operational response to large floods.

E. <u>Information associated with flood warnings and predictions</u>

59. In Paragraph 23 of this statement, I referred to Table 1 on page 10 of Manual 21 as it sets out the organisational responsibilities in Queensland for components of the total flood warning-response system. The task of interpreting flood predictions (i.e. information on the expected effect of flooding for a predicted flood height) is the responsibility of DCS and Local Government under this arrangement.

60. The flood warnings and information on the Bureau's website, provides assistance to agencies to enable high-level interpretation of expected flooding and the potential impact on floodplain communities and infrastructure. The information which is directly provided or can be obtained from flood warnings and the Bureau's website includes:

    a. actual and predicted river heights;

    b. descriptions of flooding in terms of minor, moderate and major flooding (as described in further detail in Paragraph 89 of the Report);

    c. depths above/below key road crossings, bridges etc in River Height Bulletins, and at times in Flood Warnings for significant road crossings (e.g. highway, or key bridge in a remote area);

    d. comparisons of actual and predicted river heights with recent or historically significant past floods in Flood Warnings, and in supporting information on the Bureau's website for each river basin (see Paragraph 35 of the Report);

    e. information linking river heights and the likely impact, as described at Paragraph 91 of the Report, and which is provided (with appropriate disclaimer as necessary) in disaster management briefings at times;

    f. the level of the "gauge zero" in Australian Height Datum (AHD) for most river height stations which enables actual and predicted river height readings to be converted to a value in AHD. These are available on the Bureau website via the index at: http://www.bom.gov.au/hydro/flood/qld/networks/index.shtml, using the link "Survey Details for River Height Stations".

61. The latter technical information regarding river height gauge levels in AHD is publicly available, but it is primarily intended for agencies to use in converting actual and predicted river heights to AHD which allows a direct comparison with flood maps (if available and utilised for response activities) for that location and the levels of critical infrastructure (e.g. the height of transport or communications infrastructure, or the height of a levee). The actual or predicted river height referenced to AHD can also be used by property owners on the floodplain to assess the impact on their property and what action to take, if there is access to flood maps keyed to river height gauges, either in paper form or electronically (e.g. as described in Manual 21, Chapter 4, pages

33-34). The use of flood maps, preferably referenced to heights at flood warning gauges, also assists in the important aspect of taking into account flood "slope". Flood levels are higher upstream of the location for which predicted heights are given, and conversely lower, in areas downstream.

62. The information (described in Paragraph 60) provided by the Bureau may be of particular value to landholders and residents in rural areas as they may only require actual and predicted river heights at an upstream location to have a good understanding, based on their previous flood experience, of what impacts are expected downstream, and critically, what action needs to be taken to minimise the flood impact. This is in contrast to an urbanised community that generally requires more detailed information to know what actions to take, especially where floods are infrequent.

63. In the special case of flash flooding, people need to know specifically what actions to take (e.g move quickly to higher ground where possible), and specifically what actions not to take in the limited time available to respond. This information needs to be determined by those persons who have local knowledge and be provided in a timely manner by local agencies. The Bureau provides general area "heavy rainfall conducive to flash flooding advice" in its severe weather warnings to advise local communities and agencies that they may be affected, especially where there is local knowledge of flash flooding.

F. Flood modelling

64. The Report at Paragraphs 46-54 provides further comments regarding the Bureau's flood modelling capacity and the limitations of modelling. Large and record floods, as occurred in many areas in Queensland during December 2010 – January 2011, are inherently harder to predict accurately because of greater uncertainty in the ratings (the relationships between flow and river height for each location) and paucity of large flood travel time information. By definition, record floods are beyond the bounds of data used in the model calibration. Flood design studies conducted by local authorities assist in ascertaining the upper bound of possible flood levels, particularly when floods are likely to exceed historical levels. These studies may require regular updating to take account of changes on the floodplain including land use, features and infrastructure.

65. As discussed in the Report at Paragraph 49, flood forecasting models provide guidance only to hydrologists. Hydrologists need to exercise considerable judgement, based on professional

understanding of flood behaviour and experience, in making river height predictions for most locations. This situation is even more pronounced when providing longer-range scenarios to assist disaster management planning.

G. Three monthly seasonal rainfall outlooks

66. The issue of three monthly seasonal rainfall outlooks and how they are determined was mentioned in earlier hearings of the Commission. The Bureau's Seasonal Climate Outlook (SCO) statistical model is based upon the relationship between Australian rainfall from all years during the period 1950-1999 and four variables (sea surface temperatures in the Indian Ocean and in Pacific Oceans at one and three months lag). Every month the National Climate Centre holds an internal videoconference among climate specialists from the Bureau offices in States and Territories to discuss the current climate prognosis for the months ahead. During this discussion, they consider a wide range of information including outputs from several models and multi-model ensembles. This information adds context to the seasonal climate forecast.

H. Particular matters relating to flood warnings and predictions for the Cities of Ipswich and Brisbane

67. A summary of the flood event and the warnings and predictions provided for Ipswich and Brisbane is provided in the Report at Appendix I. A full copy of all Flood Warnings for the Bremer River and the included river hight predictions for Ipswich and the Brisbane River at Moggill, Jindalee and Brisbane City is provided as an annexure to this Statement at **PB2-8.**

68. Actual and predicted heights at both Ipswich and Moggill assist in determining the flood impact at Ipswich City. Flood classifications are described in the Report at Paragraphs 88-90.

69. The flood classification for the Bremer River at Ipswich gauge is Minor 7 metres, Moderate 9 metres and Major 11.7 metres. Thus, the threshold or lower level of major flooding is 11.7 metres, but there is a significant range of flood heights possible at Ipswich, up to at least 24.5 metres which was recorded in 1893.

70. The flood classification for the Brisbane River at Moggill gauge is Minor 10 metres, Moderate 13 metres, Major 15.5 metres.

71. Flooding at Ipswich can result from local rainfall and flash floods in metropolitan creek systems, Bremer River flooding (from the 1,850 square kilometre catchment above Ipswich) and backwater flooding from the Brisbane River. In most previous floods, it was a combination of all

three, as was the case in the January 1974 flood. The January 2011 flood resulted primarily from a combination of Bremer River flooding and backwater flooding from the Brisbane River.

72. In the flood warnings issued on Monday 10 January and Tuesday 11 January 2011, the predicted heights for Ipswich were not given as predictions of the peak flood height at Ipswich as the flood was continuing to develop with continuing rainfall, and further rainfall was forecast. For example, the Flood Warning issued at 4:16pm on Monday 10 January said the following:

    a. *"The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible."*

    b. *"Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker rises and higher levels are possible depending on further rainfall tonight."*

    c. Following the predicted heights given in the Warning for the four locations of Ipswich, Moggill, Jindalee and Brisbane: *"Further rises are possible at all four locations depending on further rain."*

73. The Flood Warning issued at 9:28am on Tuesday 11 January said that:

    a. *"The Bremer River at Ipswich is expected to reach about 16 metres during Wednesday. Higher levels are expected."*

    b. *"Ipswich: Reach at least 16 metres (major) during Wednesday; further rises."*

    c. *"Further rises are expected at all four locations with continued rainfall."*

74. Very heavy rainfall re-commenced in the catchments of Wivenhoe Dam, Lockyer Creek, Bremer River and the middle reaches of the Brisbane River below Wivenhoe Dam on Tuesday 11 January.

75. During the 11am briefing on 11 January 2011 of the State Disaster Coordination Centre (SDCC), I provided an updated predicted height for Ipswich of "18 metres plus" for overnight that night (i.e. Tuesday night). This was not a prediction of the peak height at Ipswich. The flood situation for Ipswich was continuing to worsen, primarily because of the continuing heavy rain and runoff in the Bremer River catchments above Ipswich and middle Brisbane River catchments above Moggill. At this time (11am Tuesday, 11 January), the Wivenhoe Dam release strategy was indicating a peak discharge of 3,737 cumecs, as shown in the Report at Paragraph 242, Figure 7.1. At 11:38am, the FWC received an updated release strategy to a peak of 4,062 cumecs which

represented a marginal increase and did not require a further change to the river height predictions for Ipswich and elsewhere.

76. Following the SDCC briefing, at 11:45am, Mr Stuart and I spoke with Ipswich City Council (ICC) regarding the updated prediction for Ipswich of "18 metres plus" tonight (i.e. Tuesday night) with further rises on Wednesday. During that conversation, ICC advised that their response plans at that time used the Bureau predicted height plus an extra one metre. I also asked what messages we should provide in respect of the Ipswich flood situation, as we were constantly on radio broadcasts covering the Ipswich area. The advice from ICC was to direct ICC residents to the ICC website and advise that "if you live close to a stream, you need to self-evacuate", or words to that effect.

77. At 1:28pm, the FOC sent an email relaying a request from Mr Borrows of Seqwater for the Bureau to consider the effect on river heights at Brisbane City for a scenario of releases of 9,000 cumecs from Wivenhoe Dam. The FWC did not undertake the request at that time because a new release strategy was received at 1:31pm for which detailed modelling was immediately commenced. Before this scenario of 9,000 cumecs could be considered, a new request from the SEQ Water Grid Manager for a scenario of 10,000 cumecs was requested at 3:30pm as detailed in Paragraph 82.

78. At 1:31pm on 11 January, the Bureau's FWC received from the FOC a revised strategy for releases from Wivenhoe Dam which advised of a significant increase in projected releases to 6,675 cumecs, from earlier expectations of about 4,000 cumecs. Copies of emails from FOC to the Bureau advising actual and projected releases are contained in Annexure PB-5 of my first Statement. This was a significant change in release volumes which prompted the FWC to immediately commence new modelling.

79. Between 1:31pm and about 3:00pm on 11 January, the FWC updated the Brisbane, Lockyer and Bremer River flood forecast model to take account of the new release strategy and latest rainfall which was continuing.

80. At 3:24pm on 11 January, the Bureau issued a PRIORITY Flood Warning for the Lockyer, Bremer, Warrill and Brisbane River below Wivenhoe including Brisbane City, which included predicted heights for Moggill and Ipswich (both of which are important for Ipswich flooding). A copy of this warning is in Annexure PB2-8 of this Statement. Specific information was provided for the major

flooding in the Bremer River and Warrill Creek upstream of Ipswich. For Ipswich, the Warning said:

a. *"The Bremer River at Ipswich is expected to reach about 22 metres during Wednesday. Higher levels are possible as rainfall continues."*

b. *"Reach at least 22 metres (major) during Wednesday; further rises."*

81. The modelling of the Brisbane River and its tributaries, taking account of Wivenhoe Dam releases, especially when it is continuing to rain heavily in the catchment, is a complex task and ultimately requires significant hydrologist judgement in determining the river height predictions to be provided to agencies and the public. It requires modelling, discussion with the FOC and Flood Information Centre (FIC) of the Brisbane City Council, and consideration and the production of the wording and content of the warning itself. On the afternoon of 11 January, the production of the 3.24pm Priority Warning for the Brisbane River by hydrologists at the Bureau was efficient and timely. The warning effectively provided 24 hours notice for Ipswich of at least the 22m flood height prediction and 36 hours notice for Brisbane of exceeding the 1974 flood peak.

Scenario of Wivenhoe Dam release of 10,000 cumecs

82. At about 3:30pm on 11 January, I was contacted by Mr Barry Dennien of the SEQ Water Grid Manager for advice on a scenario of a Wivenhoe Dam release of 10,000 cumecs. Whilst on the telephone I calculated an estimated total flow in the lower Brisbane River for this scenario and advised estimated flood heights of:

a. Mt Crosby: 30 to 32 metres AHD

b. Moggill: 25 metres AHD

c. Jindalee: 18 metres AHD

d. Brisbane City Gauge: 7.5 metres AHD

83. I further advised Mr Dennien that, if it was to occur, the peak releases would take approximately 24 to 30 hours to reach the Brisbane area and for Brisbane City, it compared to the river heights of 8 metres and 8.35 metres reached in 1893. I did not estimate a particular height for Ipswich as this would be similar to the Moggill flood level for this type of flood, perhaps only slightly higher depending on the timing and amount of rain received in the catchments above Ipswich.

Updating flood warnings with lower river height predictions

84. After the heavy rainfall had ceased abruptly by Tuesday evening, and with updated release strategies, subsequent Flood Warnings provided during Tuesday night and Wednesday provided slightly lower (than previously given) estimates of the predicted river height at Ipswich, Moggill, Jindalee and Brisbane. For Ipswich, the Flood Warning issued at 7:33am on Wednesday 12 January said:

    a. *"The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level."*

I. Flooding in the Fernvale area

85. The hydrologic flood forecast modelling undertaken by the Bureau does include predictions for river height stations at Lowood and Savages Crossing, however these predictions are not included in the Flood Warnings. If predicted heights are required for the Fernvale area, then the Bureau would need to further consider that requirement together with Seqwater FOC given the proximity of the area to Wivenhoe Dam. The Bureau would need to coordinate with the provision of flood information from Seqwater as they have a role in supplying some information for areas below the dam when releases are being made.

86. The Bureau is not aware of the specific characteristics of the lower Fernvale flooding that occurred on Tuesday 11 January 2011, and in particular, whether the flooding was primarily caused by the Brisbane River or the intense rainfall and local runoff which occurred in the area, or a combination of both. Predictions for Lowood and Savages Crossing, if they could be sufficiently timely and accurate, may not give a good indication of the Fernvale flooding if the flooding was partly caused by the intense rainfall and high runoff in local smaller streams flowing through the area to the Brisbane River. This would need to be further investigated by the Bureau with the local agency.

J. Request for information from the Queensland Floods Commission of Inquiry dated 12 April 2011

87. The following is provided in response to a request for information from the Commission dated 12 April 2011 regarding specific issues raised in certain submissions and statements.

Meandarra

88. During the 2010-11 floods, the Bureau was unable to assist with providing advice regarding flooding at Meandarra, as was advised in emails between the Bureau and Inspector Kajewski. This is because there is no rainfall or water level monitoring network in the Brigalow Creek catchment above Meandarra or within the township itself. As mentioned at Paragraph 44 above, there are many such catchments and locations in Queensland that do not have flood monitoring and warning systems. The only information the Bureau receives from the Brigalow Creek catchment is a volunteer report of daily rainfall totals from Meandarra which is used along with other daily rainfall stations in the general area (at Glenmorgan and Hannaford) to very approximately model the flows from Undulla Creek into the main Condamine River. The location of these stations is shown in the flood warning network map on the Bureau's website <http://www.bom.gov.au/hydro/flood/qld/brochures/condamine_cotswold/map.pdf >.

89. As noted in the 12 April Request, Western Downs Regional Council working with the Bureau operates an ALERT flood warning system in Myall Creek to the township of Dalby. Whether a similar system is required elsewhere, for example at Meandarra, would be a matter for the relevant Council. The Bureau would, in the usual way, be available to provide advice on whether this was an appropriate system for an area under consideration, or whether other alternatives (e.g. telephone based stations) would meet the objectives being sought.

90. I now provide some information in response to the broad questions concerning Southern Darling Downs and Border districts raised in the 12 April Request.

Structural integrity and placement of Bureau gauges along the Condamine/Balonne river system

91. Information regarding the location of the river height stations along the Condamine/Balonne River system is given at the Bureau's Flood Warning Centre website at http://www.bom.gov.au/qld/flood/ (in particular, brochures are available via the index at <http://www.bom.gov.au/hydro/flood/qld/brochures/index.shtml> and additional specific information is indexed at< http://www.bom.gov.au/hydro/flood/qld/networks/index.shtml>.

92. The manual river height stations along the Condamine/Balonne river system are owned by the Bureau. As described in Paragraph 28 above, these water level stations have a series of staff gauges ("one metre markers") installed on the river bank or on bridges, crossing or roadways. Some of these may have sustained damage during the floods. As per standard practice, the Bureau will contact the "river readers" to assess any damage sustained at these river height stations and arrange for repairs.

93. During large floods, reporting of river height observations from manual stations is typically done up to 5 times per day, generally between 6am and 9pm. It does however rely on the volunteer efforts of a property owner or agency at each location. At times, these reports may be interrupted either by loss of communications (telephone or Internet) or by flooding at the location preventing observations being taken. For example, a volunteer river reader may need to evacuate during large floods. The Bureau does however take care in siting the manual river height stations and staff gauges such that, as far as possible, they are accessible and available during floods.

94. The automatic river height stations in the Condamine/Balonne River system are mostly telephone-based gauging stations owned and operated by DERM, and a few at or near storages are owned by SunWater (e.g. Chinchilla Weir, Beardmore Dam, Jack Taylor Weir). The structural integrity of the stations not owned by the Bureau would need to be discussed with their respective owner agency.

95. During floods, data from automatic telephone-based stations is typically updated 3 hourly, unless the station fails to report either because it is damaged by the floods, equipment fails or telephone communications fail. At critical times, the Bureau may invoke more regular updating (e.g. hourly) for short periods or update information on demand. There have been requests for more frequent updating on a continuous basis (e.g. every hour of every day). This would need to be done with caution during floods as it incurs a higher energy drain which may cause the solar-recharged batteries to be flattened rendering the station useless thereafter. New equipment should provide more frequent data reporting via "event reporting and push communications" as described in Paragraph 28 above.

Moonie and Dumaresq river catchments

96. The flood warning systems for these catchments are described in brochures available via the index on the Bureau's website at:
<http://www.bom.gov.au/hydro/flood/qld/brochures/index.shtml>

97. The flood warnings and river height predictions provided for these areas are contained in Annexure PB2-8 of this Statement.

98. If the Commission has any further questions in relation to the Moonie and Dumaresq river catchments, the Bureau will assist by providing any other relevant information it possesses.

Effect of levee banks and ring tanks on flood modelling during the January flood event

99. The Bureau does not specifically model the effects of levee banks and ring tanks in its flood modelling, apart from implicitly taking account of major river levee banks (e.g. at Goondiwindi). Whilst levee banks and ring tanks may produce effects on the height and movement of water on the floodplains in their local vicinity, the Bureau does not usually need to take these into account when flood modelling and forecasting because they generally have a negligible effect at a river basin scale.

Bureau arrangements during the January flood event

100. As described in the Report at Paragraphs 140-142, the Bureau's provision of weather and flood forecast and warning services involves a roster of operational staff around the clock, covering the whole or parts of Queensland according to the specific functions and the individual forecasting and warning requirements at the time. Due to the strong La Nina and record sea surface temperatures in late 2010 in the eastern Pacific Ocean, it was clear that extreme weather and flooding was probable for Queensland. Accordingly, prior to the wet season commencing, the Bureau put in place special business continuity arrangements for the additional support to Queensland.

101. During busy situations in the Flood Warning Centre (FWC), the shift manager (i.e. the Duty FWC Engineer/Hydrologist) generally allocates specific warnings/river basins to hydrologists according to the workload and the priority/severity of the flood in particular catchments.

102. The 2010-11 flood season, particularly in December-January, was an exceptionally busy period for the FWC and the Regional Forecast Centre (RFC), placing unusual demands on Bureau staff. Additional local staff were inducted into the FWC and RFC at various times. The Bureau brought additional experienced hydrologists from Adelaide and Melbourne to work in the FWC in Brisbane and additional experienced meteorologists for the RFC. Various other Bureau staff were inducted to provide extra support in the management of media information, telephone calls and briefings, and two members of the Bureau Executive attended Brisbane to provide additional coordination and support.

103. Despite the severity of events, the Bureau was able to maintain quality flood warning services, and weather services, across all areas of Queensland. This is shown by the high number of Flood Warnings and river height predictions issued (see PB2-8 and PB2-9) and the frequency

of participation of Bureau hydrologists and meteorologists in numerous briefings for disaster management agencies, the media, and other groups including councils and dam owners.

104. The Bureau provided direct telephone access to meteorologists and hydrologists through a series of different numbers for emergency management and local government agencies, the media and the general public. Calls and briefing requests were managed according to the information involved and their importance in relation to the weather and flood situation at the time. However, some requests for information could not be responded to, at least not immediately, due to the very high number of calls and requests for information which were received by the Bureau during the busiest periods. Due to the prolonged and widespread nature of these events, the Bureau was operating at a critical level even with contingency arrangements in place.

K. <u>Request for information from the Ipswich City Council dated 18 April 2011</u>

105. I refer to the queries outlined in Clayton's Utz's letter of 18 April 2011 on behalf of the Ipswich City Council provided under cover of a request from the Commission dated 29 April 2011 (annexed hereto as PB2-3). I will respond to these queries in the order in which they appear.

106. **Item 1:** The Bureau did not receive the 9 directives referred to in Clayton Utz's letter. The Bureau does not normally receive the directives for gate settings as we do not use this information. It is not required to update warnings and river height predictions with each change of gate setting because the gates are progressively changed according to the release strategy which is included in the Bureau modelling. The Bureau receives the latest Wivenhoe Dam release strategy (i.e. in the form of a tabulation of actual and projected releases against time) via email in a pre-determined format from the FOC. The strategy is included in the flood forecasting model for the whole of the Brisbane River basin. The modelling is integrated such that the effect of Wivenhoe Dam releases; Lockyer Creek flows; local inflows from rainfall occurring in the catchment including over the middle Brisbane River catchments below the dam; and the Bremer River flows from the catchments above Ipswich, are all taken into account in predicting river heights at Ipswich.

107. **Item 2:** As described in the paragraph above, the Bureau uses the Wivenhoe Dam release strategies in the flood forecast model and does not use the release directives. The directives are consistent with the current release strategy and the strategies are included in the modelling by the Bureau.

108. **Item 3:** The request to consider a scenario of a 9,000 cumecs release is discussed at Paragraph 77 of this Statement. The request for modelling based on a scenario of a 10,000 cumecs release was made by Mr Dennien of the SEQ Water Grid Manager in a direct telephone call at about 3:30pm. I provided the advice immediately during the telephone conversation. After I provided the advice to Mr Dennien, I received an email at 3:42pm from the FOC to provide the same advice for a scenario of 10,000 cumecs. I did not reply to the email as I provided the information at the FWC-FOC technical discussion which commenced at about 3:45pm.

109. **Item 4:** The request from Mr Dennien did not require me to undertake "modelling" as such, but I instead made calculations and estimates using my experience and knowledge. I calculated an approximate total discharge and used the discharge-height relationships embedded in the Bureau flood forecasting model. I made notes as I did this and gave the results to Mr Dennien while he was on the telephone. These estimates are approximate for the scenario, but give a reasonable estimate of heights for the specified scenario.

110. **Item 5:** The result of my estimations is detailed in this Statement at Paragraphs 82 and 83.

111. **Item 6:** I participated in a teleconference with the FIC at about 3:45pm, which is a part of our standard procedures to discuss modelling results and occurs several times during the day and night. The scenario of 10,000 cumecs was briefly discussed, but this was not the primary purpose of that teleconference.

112. **Item 7:** I made comparisons with the heights of the 1893 flood as summarised at Paragraphs 82 and 83, but I do not believe there was any in-depth discussion as this was dealing with a scenario only. We had more detailed discussions on what was actually occurring and being modelled.

113. **Item 8:** Predictions contained in the Flood Warning issued at 9:28am on Tuesday 11 would have been based on a flood forecasting model run just after the Wivenhoe Dam release strategy was received at 8:10am. As it was continuing to rain heavily across parts of the catchments, this Warning could not, and did not, provide a prediction for the peak at Ipswich. The Warning stated that:

a. *"The Bremer River at Ipswich is expected to reach about 16 metres during Wednesday. Higher levels are expected."*

b. "Ipswich: Reach at least 16 metres (major) during Wednesday; further rises."

c. *"Further rises are expected at all four locations with continued rainfall."*

114. **Item 9:** The modelling mentioned above would have taken into account the 8:10am Wivenhoe Dam release strategy (with projected peak of 3737 cumecs).

115. **Item 10:** The Bureau's flood forecast model takes account of the actual and forecast river height in the Brisbane River at Moggill to calculate the expected height at Ipswich. It does this by using a tailwater dependent rating (i.e. it takes account of actual and predicted heights in the Brisbane River at Moggill) that has been developed and refined in the Bureau model calibration process. It yields satisfactory estimates of Ipswich river heights under the full range of combinations of concurrent Bremer River flow and Brisbane River flow.

116. **Item 11:** The term "during Wednesday" is intended to be any time on Wednesday, which includes any time after midnight Tuesday. It is an expression that indicates an inability to be more precise, especially when heavy rain is continuing. If heavy rainfall is received during the forecast period in the Bremer catchments above Ipswich or in the middle Brisbane River catchments above Moggill, then the river will rise much quicker at Ipswich than if it did not receive the rainfall in these particular areas in that particular period. For this case of local rainfall, our warning procedures indicate that we should typically provide shorter-term predictions 6-12 hours ahead. Because this was a combination flood involving both the Bremer River and backwater flooding from Brisbane River, we were giving longer (12-24 hours), but less certain, predictions for Ipswich to give the response agencies and the community more time for action. The matter of catchment response and flood warning lead times in large floods is discussed in this Statement at Paragraphs 57 and 58.

117. **Item 12:** As the rain and flood situation unfolded on 11 January, the quicker rises to 16 metres at Ipswich were caused by the heavy rain in these areas. In the daylight hours on 11 January, the heaviest rain occurred in both these areas, with 12 hour (6am to 6pm) rainfalls of 150 to over 300 millimetres in, for example, the Rosewood area upstream of Ipswich. For this case, our warning procedures indicate that we would typically give Ipswich predictions 6 to 12 hours ahead, but if we had done this, it is my view that the predictions, whilst being more accurate, would not have been as useful to the disaster response agencies. At this stage (9pm Tuesday 11 January), the quicker rising Ipswich flood level was not significantly affected by the sharp increase in releases at Wivenhoe Dam. These accelerated releases commenced at about

9am Tuesday and did not affect the Moggill and Ipswich area until around 3am to 9am Wednesday 12 January because of the time that it takes floodwaters to move from Wivenhoe Dam to Moggill.

118. These quicker rises at Ipswich were foreshadowed by me at the SDCC briefing at 11am Tuesday during which I announced an updated predicted height for Ipswich of "18 metres plus" for overnight tonight (i.e. Tuesday night). This was based on the latest modelling just before and during the SDCC briefing, and our 'hydrologist' judgement. The river height at Ipswich reached 18 metres at about 2:30am Wednesday.

119. As previously described in Paragraph 76 of this Statement, I also gave this updated prediction to Ipswich City Council at 11:45am by telephone, just following the SDCC briefing. This was an exceptionally busy period with rapid development of a serious flood.

120. **Item 13:** All factors were included in the modelling as previously described, including the updated Wivenhoe Dam release strategy (with predicted peak discharge of 6,675 cumecs) received at 1:31pm Tuesday. Again, the river level of 22 metres at Ipswich was not predicted as a peak. At that stage of the flood, it was possible, even likely, that Ipswich could have reached a higher level as the heavy rainfall was continuing. The modelling at that time, using the actual and projected releases and the rain that had been recorded was suggesting a possible height of at least 22.5 metres at Ipswich on Wednesday.

121. **Item 14:** As described in this Statement at Paragraphs 75 and 76, updated predictions for Ipswich were given, at the 11am SDCC briefing and to Ipswich City Council, during the period between the Flood Warnings issued at 9:29am and 3:24pm. This prediction extended the predicted height for Ipswich as far ahead as possible, while the situation was rapidly changing and an updated release strategy was being developed.

122. **Item 15:** The single major factor that led to the significant increase in the predicted flood heights for Ipswich, and for Moggill, Jindalee and Brisbane City, during the daylight hours of Tuesday 11 January was the intense rainfall producing high runoff which persisted for about 12 hours (approximately 5am to 5pm) over the Wivenhoe Dam and its immediate catchment areas (resulting in the strategies of higher releases from Wivenhoe Dam), the lower Lockyer Creek, the middle reaches of the Brisbane River below Wivenhoe Dam and the Bremer River catchments immediately upstream of Ipswich.

123. **Item 16:** The increases in the actual and projected releases from Wivenhoe Dam, which were necessitated by the intense rain and runoff on 11 January, were a factor, but not the only factor, in the updated higher flood height predictions for Ipswich. The magnitude of the developing floods was also increasing in the lower Lockyer Creek, the middle reaches of the Brisbane River below Wivenhoe Dam and the Bremer River and Warrill Creek systems immediately upstream of Ipswich.

L. Request for information from the Queensland Floods Commission of Inquiry dated 28 April 2011

124. I refer to the queries outlined in the Commission's letter of 28 April 2011 (annexed hereto as PB2-2). I will respond to these queries in the order in which they appear.

Predicted river height peaks on 11 January 2011

125. The significant increase in the predicted flood heights for Ipswich, and for Moggill, Jindalee and Brisbane City, during the daylight hours of 11 January resulted from the intense rainfall producing high runoff which persisted for about 12 hours (approximately 5am to 5pm) over the Wivenhoe Dam and its immediate catchment areas (resulting in the strategies of higher releases from Wivenhoe Dam), the lower Lockyer Creek, the middle reaches of the Brisbane River below Wivenhoe Dam and the Bremer River catchments immediately upstream of Ipswich.

Communications with the Brisbane City Council Flood Information Centre (FIC)

126. On the 11 January 2011, I participated in conversations with the Brisbane City Council FIC at 6:10am; about 8am; 9:10am; 1:40pm/2:15pm; 2:55pm and approximately 8pm. Additional conversations could have taken place between the FWC and the FIC on the 11 January. The only conversation that I am aware of which involved Mr Morris on the 11 January was at 2:55pm which I detail below, although he could have been involved as a "listener" in others.

127. The conversations between the FWC and FIC were via telephone and usually involved more than one person at each end, but not always. During 11 January, Mr James Stuart, senior hydrologist in the FWC, was also generally involved in the conversation with me as the phone was usually on "speaker setting" close to where the Brisbane River modelling was being undertaken. Mr Stuart and I, together or alone, may have had additional technical discussions with the FIC.

128. From a FWC perspective, the purpose of the conversations was to provide the Brisbane City Council FIC with updates on the predictions for the lower Brisbane River and to discuss these along with the flood forecast modelling results which were being regularly updated on the Bureau's registered user website.

129. I did not write detailed notes of each conversation. However, from my recollections and my brief annotations recorded along with some calculations and predictions, I can provide the following information:

a. **FIC 6:10am.** I spoke with Mr James Charalambous. I gave an update on the situation based on my earlier conversation (at about 5am) with the Seqwater FOC, the current release strategy and our most recent modelling. I advised that we were waiting for the "new" release strategy (email containing actual and projected releases) from the FOC that was expected soon.

b. **FIC about 8am**: Between 7am and 8am, the FWC worked on an update of Brisbane River modelling and held discussions on the results with the Seqwater FOC. Just before 8am, there was contact with the FIC when the latest river height predictions for the lower Brisbane River were provided. These predictions were then provided in the 8am teleconference of the State Disaster Management Group.

c. **FIC at 9:10am:** Between 8am and 9am, the FWC again worked on an update of Brisbane River modelling to take account of the next release strategy (which was received at 8:10am) and the recent heavy rainfall that was continuing. I phoned the FIC at 9:10am. I provided the latest Brisbane River predictions and made a brief annotation "agreed on predictions". As BCC were not doing the flood modelling, this refers to an agreement with the predictions which were to be included in the next flood warning that we were preparing at that time. The flood warning was then issued at 9:28am.

d. **FIC at 1:40pm/2:15pm**: I had some discussions with FIC (although I have no recollection with whom) at 1:40 and wrote the annotation "discussion of wording/predictions". I then have a further annotation "Agreed with the above predictions with FIC @ 2:15pm". At this stage, the wording that was intended to be used in the next Flood Warning was "as high as January 1974 (5.45 metres) on Thursday" or words to that effect. It may or may not have been a continuous conversation between 1:40pm and 2:15pm as we were intensively re-modelling the releases scenario received by the FWC at 1:31pm. This

release strategy indicated an increased release to a peak of 6,675 cumecs. Prior to that, we had just completed the modelling based on a release scenario of 4,062 cumecs.

e. **FIC at 2:55pm:** The flood situation continued to change rapidly with the very intense rainfall continuing in the lower reaches of Lockyer Creek, middle reaches of the Brisbane River (Lowood area) and in the Bremer River above Ipswich. Between midday and 3pm on 11 January, the highest three hourly rainfall totals exceeded 100 millimetres in these areas. We were preparing to re-issue the flood warning and predictions for Ipswich and the lower Brisbane River. These latest and continuing rainfalls needed to be taken into account with further modelling and analysis by Mr Stuart and me. Mr Stuart and I developed the Ipswich and lower Brisbane River predicted heights and timing. This required quite a deal of judgement, including with respect to the warning strategy (i.e. extending the forecast lead time to 36 hours for Brisbane City and the specific wording to be used in the flood warning). Before 2:55pm, I rang Brisbane City Council and spoke personally with Mr Don Carroll and Mr Morris. I briefed them on our latest flood modelling results and hydrologist analysis. I had noted down the words "River rises will continue into Thursday with levels higher than 1974 expected" which were intended to be used in the warning. I wrote an annotation "14:55 agreement Don/Ken".

f. I then had a brief discussion with Mr Stuart to finalise predictions and wordings for the Flood Warning that was subsequently issued at 3:24pm. I had a pre-arranged teleconference with Mr Smith (Chair of the State Disaster Management Group) and the Premier due to commence at 3pm. As we had finalised the predictions and the wording of the Flood Warning, I was in a position to give the latest Ipswich and Brisbane River predictions.

g. Between 3pm and 8pm, the modelling and hydrologist analysis continued with two further Wivenhoe Dam release strategies received at 4:51pm and 6:06pm. I re-checked all my calculations especially with respect to the timing of various predicted heights and including other scenarios of higher floods while the intense rain continued. Many agency and media briefings were undertaken, including at the State Disaster Management Group meeting at 5pm.

h. **FIC at 8pm:** The intense rain eased unexpectedly at about 5pm to 6pm 11 January. We updated the Brisbane River basin flood modelling again in preparation for a Flood Warning that was subsequently issued at 8:05pm. The predicted river heights for Moggill

and Ipswich could be revised to slightly lower levels of 21.5 metres and 21 metres respectively since the heavy rain had eased in the Bremer catchment. I telephoned the FIC at approximately 8pm to advise of the slight change for Moggill, but that the predictions for Jindalee and Brisbane would remain as they had been in the 3:24pm warning.

Date: 11 May 2011

.....

Peter Baddiley

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-1"

Our ref: Doc 1580551

12 April 2011

Mr Jim Davidson
Bureau of Meteorology
C/- Ms Janette Dines
Attorney-General's Department
Office of Legal Services Coordination
3–5 National Circuit
BARTON ACT 2600

Dear Ms Dines

As you are aware Mr Davidson is to give evidence on the first day of the Toowoomba hearings of the Flood Inquiry, Monday 18 April 2011.

We enclose the following documents for the Bureau to consider that raise issues particular to the role of the Bureau in Toowoomba and the Lockyer Valley:

1. Expert report of Dr Phil Jordan dated 12 April 2011;
2. Report of Mr Neil Collins of BMT WBM Technical Report on the Toowoomba Flood of 10 January 2011 commissioned by the Local Government Association of Queensland dated April 2011;
3. Submission of Mr Anthony Cornelius from Weatherzone.

Dr Jordan and Neil Collins will be made available for cross-examination on 18 and 19 April 2011 and if necessary the following week between 27 and 29 April 2011.

The following reports referred to by Dr Jordan can be found at http://www.insurancecouncil.co.au under QLD Floods Hydrology Reports, 'Report of the Insurance Council of Australia: The Nature and Causes of Flooding in Toowoomba dated 10 January 2011' and 'Report of the Insurance Council of Australia: Flooding in the Brisbane River Catchment: Volume 4 Flooding in Lockyer Valley Regional Council LGA dated 20 February 2011'.

There are some brief issues raised in submissions and statements that we have received from the regions of the Western Downs, Southern Darling Downs and Border districts that will need to be addressed by the Bureau of Meteorology. In order to save Bureau staff the time and expense of physically attending these regional hearings, we were looking to have these questions addressed in Toowoomba.

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In relation to the Western Downs the statement of Inspector Terry John Kajewski dated 11 March 2011 (enclosed) raises correspondence between himself and the Bureau specifically, Jeff Perkins, at page eight.

The questions broadly will be whether that conversation is recorded accurately, why the Bureau do not have any river height data for Brigalow Creek and why there is no ability to forecast for Meandarra. There may also be some discussion about the Dalby ALERT flood warning system established in conjunction with the Dalby Town Council and whether that could be implemented in other regions.

The questions concerning the Southern Darling Downs and Border districts, will broadly address the following:

a) the structural integrity and placement of Bureau gauges along the Condamine/Balonne;
b) Moonie and Dumaresq/McIntyre river catchments;
c) the effect of levee banks and ring tanks on flood modelling in these areas; and
d) the provision of staff to attend to regional flooding during the January flood event.

If you believe that calling these issues in Toowoomba would present a problem, or if there is someone better suited to address these issues, please advise Ms Kate Juhasz on (07) [redacted]

Yours sincerely

[redacted]

Jane Moynihan
Executive Director

Encl.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-2"

Our ref: Doc 1589365

28 April 2011

Mr Peter Baddiley
Bureau of Meteorology
C/- Ms Janette Dines
Civil Law Division
Attorney-General's Department
3-5 National Circuit
BARTON ACT 2600

Dear Ms Dines

Supplementary statement from Mr Peter Baddiley, Bureau of Meteorology

I refer to Ms Lisa Hendy's email to your office at 12:51pm on 19 April 2011 forwarding the enclosed correspondence from Clayton Utz dated 18 April 2011, on behalf of the Ipswich City Council (ICC's correspondence).

I confirm that the Commission is seeking a supplementary statement from Mr Peter Baddiley of the Bureau of Meteorology (BoM) that addresses the matters raised in the ICC's correspondence.

You will note that Item 15 of the ICC's correspondence asks about the factors which led to BoM revising the Bremer River flood peak from 12.7 metres to 22 metres on 11 January 2011. In his supplementary statement, can Mr Baddiley please advise:

- whether the same factors caused BoM to revise the predicted Brisbane River flood peak?
- If not, can Mr Baddiley please advise what major factors caused BoM to revise the predicted flood peak for the Brisbane River?

Further, the Commission asks that Mr Baddiley's supplementary statement provide the following additional information:

- An account of the conversation/s that Mr Baddiley had with the FIC on 11 January 2011, including with the Director of the FIC, Mr Ken Morris.
- Any notes made of conversation/s that Mr Baddiley had with the FIC, including the Director of the FIC, Mr Ken Morris.

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As discussed, it is anticipated that Mr Baddiley will be called to give evidence at the Commission's Brisbane hearings in the week commencing 16 May 2011. I confirm that the Commission asks that Mr Baddiley's supplementary statement be provided by 5pm, Friday 6 May 2011.

If you have any questions in relation to the matters raised in this correspondence, please contact Ms Megan Pearce in the first instance on [redacted] or Mr Nick Bailey, Principal Legal Officer, on [redacted]

Yours sincerely

[redacted]

Jane Moynihan
Executive Director

Encl.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-3"

Email 18 April 2011

Justice C E Holmes
Commissioner
Queensland Floods
Commission of Inquiry
400 George Street
BRISBANE QLD 4001

Our ref 12415/80116890

Dear Commissioner

Queensland Flood Commission of Inquiry - Request by Ipswich City Council (ICC) for Supplementary Statement from Witness, Mr Baddiley (Bureau of Meteorology (BoM))

We refer to the evidence of Mr Davidson (BoM). In responding to a number of questions from Senior Counsel for ICC in relation to aspects of BoM modelling for predicting flood peaks in the Bremer River, Mr Davidson stated that such questions should be directed to Mr Baddiley. Please find set out below a number of issues which ICC has identified which Mr Baddiley may be able to assist with:

1. According to Schedule 1A to the Statement of Robert Ayre (exhibit 17A tendered before the Commission of Inquiry) on 11 January 2011 between 8.00 am and 4.00 pm the Flood Operation Centre (**FOC**) issued 9 directives in relation to releases from the Wivenhoe Dam whereby the volume of water being released increased as follows:

Release Time	Release Directive No.	Release Volume
8.00 am	WD 12	2,753 m^3 per sec
9.00 am	WD 13	2,991 m^3 per sec
12.00 pm	WD 14	3,667 m^3 per sec
1.00 pm	WD 15 and WD 16	4,250 m^3 per sec
2.00 pm	WD 17 and WD 18	4,562 m^3 per sec
3.00 pm	WD 19 and WD 20	5,167 m^3 per sec
4.00 pm	WD 21 and WD 22	5,786 m^3 per sec

Were these actual releases:

(a) communicated by FOC to BoM?

(b) taken into account by BoM in predicting the flood peak for the Bremer River at Ipswich?

(c) if yes, how were these actual releases taken into account in the BoM modelling?

2. Was BoM requested by FOC on 11 January 2011 to model the impact on Brisbane and Ipswich of the following releases from Wivenhoe Dam:

(a) 6,750 m^3 per sec;

(b) 4,000 m^3 per sec;

(c) 9,000 m^3 per sec;

(d) 10,000 m^3 per sec?

3. If yes to any part of 2 above, who from FOC made the request and who from BoM received the request?

4. Did Mr Baddiley undertake the modelling requested by FOC?

5. If yes to 4, what was the result of this modelling?

6. Did Mr Baddiley participate in a telephone conference with the 4 dam engineers from FOC at 3.49 pm on 11 January 2011 in respect of this modelling?

7. If yes to 6, did Mr Baddiley (or another person from BoM) inform the FOC engineers that a possible maximum release scenario of 10,000 m^3 per second would be of a similar magnitude to the 1893 flood event?

8. As to BoM's flood warning issued at 9.29 am on 11 January 2011, how was the 16m flood peak of the Bremer River modelled?

9. Were the Wivenhoe releases factored into this modelling?

10. How does the BoM modelling deal with the impact of the Moggill peak on the Bremer River and its tributaries, that is, in the sense of any backflow effect from the Brisbane River?

11. Please note that the BoM flood warning issued at 9.29 am on 11 January 2011 predicted that the peak of 16m would be reached "during Wednesday". Can you please explain what is meant by the expression "during Wednesday" - is this intended to refer to any particular time period during Wednesday and, if so, what time period or is it intended to mean any time after midnight on Tuesday?

12. If you assume that the Bremer River height at the Ipswich gauge reached 16m at approximately 9 pm on Tuesday 11 January 2011, can you express any opinion on what might have been the reason for the difference in timing between the BoM predicted timing for the 16m height and the actual timing that the Bremer River height reached 16m and, particularly, can you express an opinion on whether the timing was affected by the releases from the Wivenhoe Dam?

13. As to BoM's flood warnings issued at 3.24 pm predicting a flood peak of the Bremer River at Ipswich of 22 metres, how was this peak modelled eg was it a purely Bremer River event; were the releases from Wivenhoe factored into the modelling; was any backflow effect from the Brisbane River factored into the modelling?

14. If BoM knew that the FOC were increasing the volume of releases from the Wivenhoe Dam on 4 occasions (from 2,991 m^3 per sec to 5,167 m^3 per sec) since the BoM 9.29 am warning, was any consideration given to issuing an earlier warning than that issued at 3.24 pm?

15. From the modelling conducted by BoM, what were the major factors that led to the Bremer River flood peak being revised over a period of 7.5 hours from 12.7 metres to 22 metres?

16. Was one of those factors the increases in the volume of releases from the Wivenhoe Dam on 11 January 2011?

We note the advice of Counsel Assisting, Mr Callaghan SC, that Mr Baddiley will be called to give evidence. We are content for these issues to be addressed either in examination of Mr Baddiley or, at least initially, by way of a supplementary statement.

Please advise if we can assist or clarify further any of the above matters.

Yours faithfully

[redacted]

Mark Waller, Partner

[redacted]

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-4"

Emergency Management Australia

Australian Government
Attorney-General's Department
Emergency Management Australia

MANUAL 19

Managing the Floodplain

EMA

'safer sustainable communities'

AUSTRALIAN EMERGENCY MANUALS SERIES

PART III

Emergency Management Practice

Volume 3—Guidelines

Guide 3

MANAGING THE FLOODPLAIN

EMERGENCY MANAGEMENT AUSTRALIA

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THE AUSTRALIAN EMERGENCY MANUALS SERIES

The first publication in the original AEM Series of mainly skills reference manuals was produced in 1989. In August 1996, on advice from the National Emergency Management Principles and Practice Advisory Group, EMA agreed to expand the AEM Series to include a more comprehensive range of emergency management principles and practice reference publications. The Series is now structured in five parts as set out below.

Parts I to III are issued as bound booklets to State and Territory emergency management organisations and appropriate government departments for further dissemination to approved users including local government. Parts IV and V (skills and training management topics) are issued in loose-leaf (amendable) form to all relevant State agencies through each State and Territory Emergency Service who maintain State distribution/amendment registers. All private and commercial enquiries are referred to EMA as noted at the end of the Foreword on page v.

AUSTRALIAN EMERGENCY MANUALS SERIES STRUCTURE AND CONTENT

		Publishing Status—Jun'99
PART I—THE FUNDAMENTALS		
Manual 1	Emergency Management Concepts and Principles (3rd edn)	A/R
Manual 2	Australian Emergency Management Arrangements (6th edn)	R
Manual 3	Australian Emergency Management Glossary	A
Manual 4	Australian Emergency Management Terms Thesaurus	A
PART II —APPROACHES TO EMERGENCY MANAGEMENT		
	Volume 1—Risk Management	
Manual 1	Emergency Risk Management	D
	Volume 2—Mitigation Planning	
	Titles to be advised (covering PPRR)	P
	Volume 3—Implementation of Emergency Management Plans	
	Titles to be advised	P
PART III —EMERGENCY MANAGEMENT PRACTICE		
	Volume 1—Service Provision	
Manual 1	Emergency Catering	D
Manual 2	Disaster Medicine	A/R
Manual 3	Disaster Recovery	A/R
	Volume 2—Specific Issues	
Manual 1	Evacuation Planning	D
Manual 2	Safe and Healthy Mass Gatherings	D
Manual	Civil Defence	D
Manual	Community Emergency Planning (3rd edn)	A/R
Manual	Urban Search and Rescue (Management)	P
Manual	Lifelines	D
Manual	Land Use Planning	D
	Volume 3—Guidelines	
Guide 1	Multi-Agency Incident Management	A
Guide 2	Community and Personal Support Services	A
Guide 3	Managing the Floodplain	A
Guide 4	Flood Preparedness	A
Guide 5	Flood Warning	A
Guide 6	Flood Response	A
Guide 7	Medical Aspects of NBC Hazards	D
Guide	Disaster Victim Identification	A/R

AUSTRALIAN EMERGENCY MANUALS SERIES STRUCTURE AND CONTENT

		Publishing Status—Jun'99
PART IV—SKILLS FOR EMERGENCY SERVICES PERSONNEL		
Manual 1	Storm Damage Operations (2nd edn)	A
Manual 2	Operations Centre Management	A
Manual 3	Leadership	A
Manual 4	Land Search Operations (2nd edn—Amdt 1)	A
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Manual 6	General Rescue (4th edn—formerly Disaster Rescue)	A
Manual 7	Map Reading and Navigation (Amdt 1)	A
Manual 8	Four-Wheel-Drive Vehicle Operation (Amdt 1)	A
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Manual	Vertical Rescue (2nd edn)A/R	
PART V—THE MANAGEMENT OF TRAINING		
Manual 1	Small Group Training Management (2nd edn)	R
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Key to status: A = Available A/R = original version Available/under Review
D = under Development; P= Planned; R = under Review/Revision

FOREWORD

The purpose of this Guide is to provide a national reference for guidelines on the floodplain management planning process. It has been developed for use by local government, emergency services agencies and other agencies associated with flood emergency planning.

Details of the development of the Guide and other related publications in the Australian Emergency Manuals Series are noted in the Preface on page ix. This Guide was sponsored, edited and published by Emergency Management Australia.

Proposed changes to this Guide should be forwarded to the Director General, Emergency Management Australia, at the address shown below, through the relevant State/Territory emergency management organisation.

This publication is provided free of charge to approved Australian organisations. Copies are issued to relevant users automatically (and upon request) through their State/Territory emergency management organisations.

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CONTENTS

PREFACE

This Guide has been prepared by a team of experienced floodplain managers from around Australia. It is a condensed version of a comprehensive manual prepared under the auspices of the Standing Committee on Agriculture and Resource Management (SCARM). It is one of four Flood Guides sponsored by Emergency Management Australia to improve our reaction to one of Australia's major natural hazards. The other Guides are, 'Flood Preparedness', 'Flood Warning' and 'Flood Response'. The project was coordinated by Major General Hori Howard, Director General of New South Wales State Emergency Service.

The aim of this Guide is to foster better integration of the floodplain management planning process and the flood emergency planning process. In particular, the Guide aims to acquaint personnel from local government, emergency service agencies and other agencies associated with flood emergency planning of the opportunities to contribute to and obtain useful information from the floodplain management planning process. This will help when preparing flood emergency plans and will facilitate integration of flood emergency management into floodplain management.

In this Guide, the term 'best practice principles' is taken in its broadest sense to mean the underlying principles that need to be considered when formulating floodplain management plans, leading to effective, equitable and sustainable land use across Australia's floodplains.

This Guide is generic in nature rather than prescriptive. It presents an amalgam of principles and practices concerning our current knowledge and understanding of how best to undertake 'floodplain management' in Australia. It will be subject to revision as the nature and our understanding of floodplain management issues change, and as technology develops with associated opportunities for better management.

BEST PRACTICE PRINCIPLES

The following **edited extract** is from *Best Practice Principles, Floodplain Management in Australia*, Standing Committee on Agriculture and Resource Management, July 1998.

The best practice principles have been reproduced in full to emphasise the comprehensive and all-embracing nature of the floodplain management planning process, of which flood emergency planning forms an integral part. Where necessary, best practice principles have been amplified to reflect the specifics of flood emergency management. **Best practice principles specific to flood emergency management are shown in bold type.**

INTRODUCTION

This section consists of a compendium of best practice principles for floodplain management in Australia. These principles have been defined by floodplain managers from all States and Territories of Australia, together with representatives from the Commonwealth and local agencies, on the basis of practical on-going experience with floodplain management over the last 10 to 20 years.

It is stressed that these principles *are guidelines and not directives.* The principles deal with issues that should be considered as part of the floodplain management process. Some issues may not be appropriate to specific situations. However, failure to diligently consider all relevant principles may leave agencies and parties exposed to negligence under 'duty of care' obligations.

This document is concerned with managing flood risk associated with human occupation of the floodplain for both urban development and agricultural production. It addresses that risk in full recognition that management decisions taken regarding human occupation of the floodplain need to satisfy the social and economic needs of the community as well as be compatible with maintaining or enhancing the natural ecosystems the floodplain sustains.

Floodplains are a resource of immense value. They are the sites of most of our towns and cities and they provide the natural resources to support many of our most productive rural industries. They are areas of primary environmental significance and their well-being is essential to the survival of many ecosystems.

In recent times, the significance of floodplain ecosystems has been clearly recognised. Floods are a critical factor in the health of the floodplain, the rivers and coastal estuaries. It is now realised that some of our historical uses of floodplains, and the infrastructure we have introduced, can interfere markedly with these ecosystems. However, the detailed management of floodplain ecosystems is beyond the scope of this manual and is dealt with in the context of integrated catchment management, in particular by plans such as River Management Plans, Native Vegetation Plans and Wetland

Management Plans.

The primary objective of floodplain management is to reduce the impact of flooding and flood liability on individual owners and occupiers of flood-prone property, and to reduce private and public losses resulting from floods. At the same time, implementation of the objective recognises the benefits of floodplain occupation and the particular social, economic and ecological attributes of flood-prone land.

A PRO-ACTIVE RESPONSE

In the past, floodplain management measures in Australia were often only introduced after a serious flood event had occurred, ie a reactive approach. Typically, such an approach was limited in scope and effectiveness and did little to control the ever-growing levels of flood hazard across the nation.

The most fundamental best practice guideline of this document is the need to adopt a pro-active response to floodplain management in Australia. This is best described as a response that first recognises the various flooding problems and management issues described in this document, and then moves to address these issues and problems before they develop to extreme levels*. It must be stressed that this document does not supply the solutions to the problems of flooding; it provides the methodology that can be followed to achieve a sustainable solution.*

With respect to flood emergency management, this indicates the need to prepare flood emergency plans for flood-prone areas of the nation as a matter of course and as quickly as resources allow.

COMMUNITY EXPECTATIONS

It is not unreasonable for the community to expect that the nation's floodplains will be developed and used in an ecologically, economically and socially sustainable fashion and in accord with the broader principles of 'sustainable natural resource and environment management' and of 'integrated or total catchment management'.

Best practice principles dictate that floodplain management must strive to ensure the community is:

- able to live and work on floodplains at no untoward risk to life and limb or unacceptable risk of damage to goods, possessions and infrastructure because of flooding—to achieve this expectation it will be necessary to put in place site-specific integrated floodplain management measures that address existing, future and residual flood problems;

- secure in the knowledge that, in the aftermath of the inevitable future floods, effective arrangements will be put in place to alleviate the economic and social costs of flooding, both on an individual and

community basis, and foster recovery of the flooded area and its residents/occupants; and

- actively involved in the floodplain management process, both in developing a floodplain management plan and in meeting their obligations under that plan.

If flood emergency management is to be successful, it is essential the local community is involved in the flood emergency planning process and is informed and trained with regard to their responsibilities and actions when floods occur.

POLICY AND IMPLEMENTATION

Effective policy and legislation are essential to provide a reliable social and legal foundation for floodplain management**. Best practice is that there is an integrated policy framework within all agencies (Commonwealth, State and local) that supports floodplain management and addresses reduction of flood risk to life and property.**

This principle should be supported in the following ways:

- State, Territory and Commonwealth Governments need to actively work together to develop and implement integrated strategies to deal with flood risk incorporating legislative, financial, logistical and technical support.

- Each State and Territory needs to develop and promote a comprehensive floodplain management policy, supported by appropriate legislation, regulations, standards, guidelines and planning policies clearly and unambiguously defining the responsibilities and liabilities of all agencies involved in the floodplain management process. **With respect to flood emergency management, a single agency in each State and Territory should be made responsible for coordinating preparedness, response and recovery activities for dealing with flood emergencies, ie a lead agency for flood emergency management.**

- All decision-makers involved in the floodplain management process need to be aware of their ‘duty of care’ for decisions with respect to the use of flood-prone land, and for developing and implementing floodplain management plans.

- Responsible agencies need to prepare a floodplain management plan based on an understanding of the impacts of the full range of possible flood events and dealing with existing, future and residual flood risk through a floodplain management process similar to that described in this document.

- Local agencies should liaise with the emergency management agency with regard to flood emergency management and actively

contribute (with manpower, equipment and facilities) to flood emergency plans for preparedness, response and recovery from floods. Integrating development of floodplain management and emergency management plans is fundamental to protecting life and property and minimising the impacts of floods.

- All agencies must recognise the importance of public consultation in developing and implementing floodplain management plans and with regard to flood risk management issues.
- All agencies must implement the provisions of a floodplain management plan in a timely fashion after the plan has been finalised and adopted. In particular, land use planning measures should be incorporated into appropriate statutory planning instruments as a matter of course immediately the management plan has been adopted.
- Agencies should review the floodplain management plan and its risk management provisions as required or at regular intervals of not more than five to 10 years.
- Agencies and the community must recognise there will always be a residual flood risk which cannot be eliminated by structural or non structural management strategies (eg river improvement works, levees, land use controls).
- The Commonwealth Government should continue providing specialist national resources relevant to floodplain management and flood emergency management, eg flood forecasting activities of the Bureau of Meteorology, use of the Defence Force in evacuation and recovery activities and emergency management training activities, both provided through Emergency Management Australia.
- Relief funding must continue to be provided to aid recovery of areas devastated by severe floods.

RISK AWARENESS

If floodplain management is to be successful, the local community needs to understand and appreciate the concept of flood risk and exposure to flood hazard, ie the local community needs to be ‘flood aware’.

Best practice principles to foster this understanding and awareness include the following:

- Adopting nationally an appropriate flood risk terminology. Risk is defined (AS/NZS 4360) as ‘the chance of something happening to impact on objectives’, in this case a flood. The terminology to describe the severity of flood events must also indicate the chance involved. Accordingly, this document adopts the nomenclature of ‘annual exceedance probability’ (AEP) throughout. For example, the

flood that has one chance in 100 of occurring in any given year is the 1 per cent AEP flood.

- Local agencies documenting flood risk in an easily understood fashion on flood maps, certificates of title and information brochures to enable individuals and the local community to assess flood risk.
- Local agencies, in conjunction with emergency management agencies, promoting and communicating flood risk awareness in the local community.

CHAPTER 1

INTRODUCTION

IN A NUTSHELL …

Effective flood risk management requires land use planning, floodplain management and flood emergency planning.

Flood problems can be divided into:

- ***existing problem—developments on flood-prone land which are subject to risk;***
- ***future problem—developments which may be built on flood-prone land; and***
- ***residual problem—risk associated with floods which exceed management measures.***

OBJECTIVE

1. The Standing Committee on Agriculture and Resource Management recently prepared a comprehensive manual outlining best practice principles for managing flood risk and flood hazard in Australia (SCARM, 1998). The manual identifies three distinct planning processes for managing flood risk and flood hazard, they are:

   - **A statutory land use planning process** for which local councils are generally responsible. The appropriate flood management 'deliverable' from this process is an amended town plan, local development plan or other local planning instrument that incorporates land use zones appropriate to flood risk.
   - **A floodplain management planning process** for which the appropriate local agency is responsible. The 'deliverable' from this process is a floodplain management plan that comprises an integrated mix of measures to address existing, future and residual flood risk.
   - **A flood emergency planning process** for which there is a single responsible state level agency. The 'deliverable' from this process is a flood emergency plan that addresses the risk associated with flood events of all severities. Important components of the flood emergency plan are flood awareness, flood warning, flood evacuation and flood recovery.

2. If flood management in Australia is to be effective, it is essential to closely integrate and coordinate these three planning processes and their outcomes.

3. Integration of the floodplain management planning process and the statutory planning process are discussed in detail in the national manual (SCARM, 1998).

4. This Guide (Managing the Floodplain) seeks to facilitate integration and coordination of the floodplain management planning process and the flood emergency planning process.

5. In particular, this Guide aims to help flood emergency managers across Australia contribute to the floodplain management planning process, to ensure flood emergency considerations are addressed in the floodplain management plan and to obtain relevant emergency information (velocity, depth, duration of flooding) from the floodplain management planning process to help prepare the flood emergency plan. This is achieved by defining a set of best practice principles for integrating floodplain management and flood emergency management considerations (see Best Practice Principles on page x).

FLOODING, FLOODPLAINS AND RESIDUAL RISK

6. In Australia, flooding can be caused by four different mechanisms, namely, heavy rainfalls, storm surges, tsunamis and dam failures.

7. The most common and significant threats to the social and economic well-being of flood-prone communities in Australia arise from heavy rainfall and storm surge flooding. Whilst dambreak and tsunami flooding could cause catastrophic damage and high loss of life, the likelihood of such flooding is low in Australia.

Feasibility Limits

8. The ‘floodplains’ of this manual are defined in terms of the most extreme rainfall flood that could occur, ie the probable maximum flood (PMF). The area defined by the PMF event is ‘flood-prone’. The area outside the PMF is truly ‘flood-free’, as shown on Figure 1:1, at least with respect to rainfall floods. However, dambreak floods, extreme storm surge floods and tsunami floods may inundate areas outside the ‘floodplains’. This needs to be borne in mind when developing management plans for these events. Although this document concentrates on ‘rainfall flooding’, the principles developed here are equally applicable to the other three types of flooding but the management measures will differ in detail.

9. In general, it is not economically or practically feasible to provide ‘full’ flood protection up to the PMF event. As a result, lesser flood events are typically adopted for planning and development purposes, ie ‘defined flood events’ (DFEs), and represent a compromise between the level of protection we can afford and the risk we are prepared to take with the consequences of larger floods. Figure 1:1 shows the relationship between areas flooded by a PMF and by a DFE.

10. In contrast, for flood emergency planning purposes, emergency management agencies typically adopt the most extreme flood event that could conceivably occur. This is generally the PMF or a dambreak flood. However, the likelihood of such floods occurring is remote. Emergency management agencies consider all floods as potential emergencies. To address less severe and more common floods, flood emergency plans are developed to address a range of floods up to the extreme events.

11. **Residual flood risk** represents the flood risk not addressed by physical or regulatory floodplain management measures, such as structural measures, land use controls and building and development controls. Typically, residual flood risk is the risk associated with floods greater than the DFE. Flood emergency plans are the only means of managing residual flood risk.

Figure 1:1—Flood-Prone and Flood-Free Land

FLOODPLAINS—A NATIONAL ASSET

12. Australia's floodplains are the commercial, social and ecological

arteries of the nation. As such they constitute a national asset; an asset subject to damage when floods occur.

Agriculture

13. Floodplains are generally the more fertile areas of our continent. A significant proportion of Australia's agricultural output is produced on floodplains, which are the homes of extensive and intensive agriculture, including irrigated agriculture. Regular flooding of these areas enhances agriculture by increasing soil moisture, recharging groundwater tables and depositing fertile silt.

14. Flooding can also interfere with agricultural practices. Typically, high value irrigated crops, such as cotton which can return $20,000–$30,000 per hectare, are protected from flooding by levees but much farm activity goes on without such 'security'.

Urban Centres and Industry

15. Much of the urban and industrial development across inland and coastal Australia is centred on the nation's waterways and their floodplains. Floodplains, by virtue of their fertile soils, water and timber resources, were obvious places for towns to develop. Such urban centres typically originated as centres of agriculture and at times were the focus of river-borne transport. Because of the nature of their origins, many towns across the nation are subject to flooding. Levees are often used to reduce the flood hazard for these urban areas.

Mining Operations

16. Many mining operations are partly or completely located on floodplains. Such operations can range from small-scale sand and gravel extraction activities in the waterbody itself or on the neighbouring floodplain, to massive open cut metalliferous or coal mines. Tin is typically found in conjunction with alluvial sediments. Recently several major gold and copper mines have been proposed in close proximity to principal waterways and wetlands of inland Australia.

Environmental Change

17. Finally, over the past decade or so Australia has become increasingly aware of the fundamental importance of waterways and their associated wetlands and floodplains in providing habitat to native plants and animals. The ecological significance of floodplain habitat, much of which has been lost through land clearing operations, cannot be over-emphasised.

Integrated Catchment Management

18. In view of the fundamental importance of floodplains to the commercial, social and ecological well-being of the nation, we have an

obligation to present and future generations to manage our floodplains in a responsible and sustainable manner. This is best achieved through applying the principles of total or integrated catchment management.

19. Catchment management involves a broad range of inter-dependent facets that require strategic planning to ensure sustainable use of the catchment's natural resources, such as vegetation, wetlands, biodiversity and the risks associated with using the floodplain. **Managing the flood risk associated with using the floodplain (referred to throughout this document as floodplain management) is a critical part of the overall catchment management process** and it is to this specific facet that this manual is directed. The manual does not address the issues of vegetation or wetland management, protecting threatened species or biodiversity in any detail, except as they relate to human occupation of the floodplain. However, these issues must still be accounted for when producing and implementing a floodplain management plan.

FLOODPLAINS—A NATIONAL COST

20. In terms of tangible damages, or damages that can be relatively easily and meaningfully measured in dollar terms, the average annual cost of flooding in Australia in 1992 was estimated by the Department of Primary Industries and Energy (DPIE) to be $350 million. This represented the costs of urban damages caused by both stormwater and mainstream flooding, together with rural flood damage. Tables 1:1 and 1:2 show details of urban and rural damages respectively on a State-by-State basis. The figures in these tables are estimates but are the best currently published (DPIE, 1992).

21. A recent, but unpublished, survey of potential flood damage in Queensland indicates the situation in that State may be significantly underestimated. A similar caution regarding underestimation also applies to stormwater and rural damage. In fact, recent estimates by the Australian Water Resources Council show an annual average cost to the nation of $400 million (in 1998 values) and this estimate is supported by data gathered by Emergency Management Australia.

Table 1:1—Estimated Average Annual Cost of Urban Flood Damage in Australia

State	Stormwater		Mainstream		Total urban	
	Properties	($m)	Properties	($m)	Properties	($m)
NSW	41,000	18.8	69,000	81.2	110,000	100
Vic	8,500	4.8	17,200	21.2	25,700	26
Qld	30,000	14.0	25,000	46.0	55,000	60
WA	3,000	1.4	6,500	5.2	9,500	6.6
SA	300	0.2	1,600	3.3	1,900	3.5
Tas	1,000	0.4	1,000	2.0	2,000	2.4
NT	1,000	0.4	2,000	1.1	3,000	1.5
Total	84,800	40	122,300	160	207,000	200

Source: DPIE, 1992

Notes: Values adjusted for CPI Increases to 1998 $ terms. Queensland damage costs may be underestimated.

Table 1:2—Estimated Average Annual Cost of Rural Flood Damage in Australia

State	Rural enterprises[a] ($m)	Public infrastructure[b] ($m)	Total rural ($m)
NSW	32.2	15.8	48.0
Vic	17.0	5.3	22.3
Qld	32.7	33.2	65.9
WA	5.9	4.6	10.5
SA	1.3	0.7	2.0
Tas	0.4	0.2	0.6
NT	0.5	0.2	0.7
Total	90	60	150

Source: DPIE, 1992

Notes: Values adjusted for CPI increases to 1998 $ terms. Queensland estimates may be underestimated.

[a] Livestock, agriculture, etc.

[b] Roads, railways, etc.

22. With respect to urban flood damage, some 160,000 urban properties are susceptible to flooding by the 100-year average recurrence interval (ARI) mainstream flood event. A further 40,000 properties across the nation are susceptible to stormwater flooding by 100-year ARI storm events. A much greater number of properties are exposed to flooding

by the PMF event. Based on the revised total cost ($400m) detailed in para 21, the average annual cost of **urban** flood damage to the nation is over $230 million per year**,** most of which occurs in New South Wales (50 per cent) and Queensland (30 per cent).

23. With respect to **rural** flood damage, the average annual cost to Australia is estimated to be over $170 million per year. It is made up of about $102 million of damage per year to rural enterprises and $68 million of damage per year to public infrastructure in rural areas. Again, Queensland and New South Wales account for most of the nation's total rural flood damage bill (about 45 per cent and 30 per cent respectively).

24. Massive infrastructure such as roads, railways, electricity distribution and telephone communications systems has been constructed across Australia's floodplains to service agriculture, urban, mining and other developments. This infrastructure is subject to the risk and consequence of flooding. Severe floods often cause massive disruption to transport and communications systems.

25. The national average annual flood damage cost of $400 million per year (1998 values) is not fully realised each and every year. A number of years may pass before severe flood events occur, such as the:

- 1955 Hunter River flood, NSW ($500 million, in 1998 values);
- 1974 Brisbane flood, Qld ($980 million, in 1998 values);
- 1990 floods in western NSW and Qld (over $300 million, in 1998 values);
- 1993 Spring floods in Victoria ($400 million, in 1998 values);
- 1998 Summer flood ,Townsville region, Qld ($210 million);
- 1998 Summer flood, Katherine, NT ($180 million); and
- 1998 Winter floods in north-west NSW (over $250 million).

(Data source: Emergency Management Australia Disaster Events Database)

26. In the intervening years, less severe floods occur relatively frequently across the nation. The damage and disruption caused by these floods may be low, on an individual event basis, but collectively it is estimated to be significant although definitive damage data are not available. Damage caused by these lesser floods provides an on-going base level of national damage punctuated at relatively frequent intervals (say every five years or so) by severe flood events across the nation that cause marked damage.

27. Not only is the average annual national damage figure of $400 million per year a significant sum in its own right, it is a sum that will inexorably increase from year to year unless effective floodplain management

measures are put in place on a national basis.

28. The challenge of floodplain management is to reduce the current damage bill and to limit the increase in future flood damage. This can only be done effectively through integrating the three flood planning processes described above.

FLOODPLAIN MANAGEMENT MEASURES

29 Best practice floodplain management requires that an appropriate and integrated mix of floodplain management measures be identified and implemented to address the issues of existing, future and residual flood risk in the area of interest.

The Three Flood Problems

30 Modern floodplain management recognises three distinct types of 'flood problems', namely the existing, future and residual problems.

- ***The existing problem*** refers to existing buildings and developments on flood-prone land. Such buildings and developments, by virtue of their presence and location, are exposed to an existing risk of flooding.

- ***The future problem*** refers to buildings and developments that may be built on flood-prone land in the future. Such buildings and developments will be exposed to a future flood risk, ie a risk does not materialise until the developments occur.

- ***The residual problem*** refers to the risk associated with floods generally and with those floods that exceed management measures already in place. That is, unless a floodplain management measure is designed to withstand the probable maximum flood, it will be exceeded by a sufficiently large flood at some time in the future. **It is not a matter of 'if', but of 'when'**.

The Four Groups of Management Measures

31. Floodplain management measures to reduce flood risk are described in detail in Annex B. They can be grouped into the following four major categories.

- ***Structural flood mitigation works***, such as levees or channel improvements, which are aimed at modifying flood behaviour, ie 'keep water away from people'.

- ***Land use planning controls***, such as zoning, which are aimed at ensuring land use is compatible with flood risk, ie 'keep people away from the water'.

- ***Development and building controls***, such as minimum floor levels and floodproofing, are aimed at reducing the risk of

inundation and amount of damage that occurs when such a flood eventuates. These are based on the expectation that 'the water will get to people at some time'.

- ***Flood emergency measures***, such as flood warning, evacuation and recovery plans, are aimed at reducing flood hazard by modifying the response of the population at risk so they will be able to better handle actual flood events, ie 'teach people what to do'.

32. Some management measures are more appropriate to certain flood problems than others. Table 1:3 applies these four categories of management measures to the three types of flood problems above. Certain features of Table 1:3 which should be noted are:

- flood emergency measures are appropriate to all three flood problems;
- all measures can be used to address the future flood risk problem; and
- only flood emergency measures can be used to address the residual flood risk problem.

Table 1:3—Applicability of Floodplain Management Measures to Flood Problems

Floodplain management measure	Flood problem		
	Existing	Future	Residual
Structural measures	×	×	
Land use planning measures	×[a]	×	
Development and building controls	×[b]	×	
Flood emergency measures	×	×	×

[a] Removal of building and development from unduly hazardous areas

[b] Some dwellings can be flood proofed after initial construction

33. With respect to the cost-effectiveness of the various groups of floodplain management measures, the following points should be noted:

- Structural works are typically expensive but, if well designed, constructed and maintained, are effective in providing protection up to the defined flood event. When a larger flood overwhelms structural works, eg overtopping levees, considerable threat to life and limb, damage and social disruption can occur, such as happened at Nyngan NSW, in April 1990.

- Land use planning measures are the most cost-effective of all floodplain management measures in controlling the growth of future flood damage.
- Appropriate development and building controls are cost-effective floodplain management measures.
- To realise the full benefit of flood emergency measures, it is necessary to ensure the floodplain population is 'flood aware', ie people know what to do and how to do it when a flood eventuates.
- In some situations, flood emergency measures may be the only economically justified management measure.

FLOODPLAIN MANAGEMENT PLANS AND FLOOD EMERGENCY PLANS

34. It is important to distinguish between floodplain management plans and flood emergency plans.

35. **A floodplain management plan** is a comprehensive document that addresses all issues related to land use on the floodplain and associated existing, future and residual flood risks. Various aspects of a floodplain management plan are discussed in detail in Annex C.

36. **A flood emergency plan** (sometimes known as a flood plan) is prepared to mitigate the risk to life and limb and flood damage associated with actual flood events, ie the hazards associated with flooding. Flood emergency plans are discussed in some detail in Chapter 3. Such plans describe flood warning, defence, evacuation, clean-up and recovery arrangements to be activated in the face of a flood.

37. Flood emergency plans and floodplain management plans are complementary. Best practice requires a floodplain management plan to be prepared on behalf of the local community by the appropriate local agency. By legislation, regulation or Orders in Council, various State and Territory emergency agencies or local agencies are charged with preparing flood emergency plans.

38. The main aspects of floodplain management plans and flood emergency plans which should be noted are:

- cooperation and liaison between local agencies and emergency agencies is essential when preparing both types of plans;
- the flood emergency plan covers the entire floodplain (as defined by the PMF), whereas the land use planning provisions of a floodplain management plan may be restricted to that area of the floodplain inundated by the defined flood event adopted for planning purposes; and

- local agencies as well as state emergency agencies need to know about flood hazard; local agencies from the point-of-view of determining land uses appropriate to hazard, and emergency agencies from the point-of-view of determining operational response plans, etc.

39. **If the community is to obtain the best value from the flood emergency planning process and the floodplain management planning process, it is essential that there is an integration of effort in the planning process.**

LOCAL AGENCIES

40. In this document:

- the term ‘local agency’ is used in a generic fashion to refer to the agency best suited to oversee the floodplain management process, ie the agency that most strongly and effectively reflects the concerns and desires of the local community with respect to floodplain matters;

- in urban areas, the appropriate local agency will generally be a local council but in the two Territories the local agency will be a Territory body; and

- in rural areas, the appropriate local agency might be a local council, Catchment Management Board, River Trust or locally or regionally constituted Catchment Trust but in the two Territories the local agency may be a Territory body.

41. Local agencies, be they urban or rural, generally have characteristics which include the fact that:

- they are composed of elected representatives who are in the best position to know or determine community wants and desires with respect to developing and managing floodplains;

- they often have responsibility for local land use planning and for subdivision of land approval and implementation processes; and

- they may command significant resources of manpower, facilities and equipment that can be used in flood emergencies.

42. Notwithstanding differences between urban and rural local agencies and local agencies from the different States and Territories, it is essential that an appropriate ‘local agency’ play the lead role in the development of floodplain management plans.

CHAPTER 2

FLOODPLAIN MANAGEMENT PROCESS

IN A NUTSHELL …

A floodplain management advisory committee is the first step in floodplain management.

A flood study is the second step.

A floodplain management study is the third step.

A floodplain management plan is the fourth step.

Flood emergency management is an integral part of floodplain management implementation.

OVERVIEW

1. This Chapter describes a recommended process for floodplain management in Australia, ie the steps involved in formulating and implementing a floodplain management plan. It will acquaint flood emergency managers and others associated with developing and applying flood emergency plans with an overview of the floodplain management process and how the floodplain management and flood emergency management processes intermesh with each other and with the statutory planning process.

2. The floodplain management process, which is depicted in Figure 2:1, encompasses the three systems of:

   - floodplain planning;
   - floodplain management; and
   - flood emergency management.

3. Developing and implementing effective floodplain management and flood emergency management plans requires coordination and integration of various elements of these three systems.

FLOODPLAIN PLANNING

4. The first of the principal systems that constitute the recommended floodplain management process is floodplain planning which can be sub-divided into the planning process and statutory planning.

The Planning Process

5. Flood-prone land is used for many purposes which are often in conflict, eg land clearing for agricultural or other types of development results in

a loss of habitat. In attempting to control flood hazard at one location, planners need to ensure the hazard is not increased elsewhere. Using levees to protect particular areas of the floodplain may increase flood levels or direct flood waters elsewhere and so increase hazard there.

6. Floodplain management essentially involves managing people, land use and the environment in areas subject to flood risk and other types of constraints. This is a complex, multi-objective process that requires consideration of a variety of inter-related issues, such as community aspirations concerning the use of flood-prone land, the social, ecological and economic costs and benefits of possible land uses and management measures, as well as the hazard and social disruption caused by flooding.

Individual Planning Issues

7. In developing a floodplain management plan, a number of separate planning issues, each with individual objectives, need to be addressed, including:

- ***economic planning***, or consideration of the nature and rate of future growth in the area of interest;
- ***infrastructure planning***, or assessment of the capability of existing infrastructure to service future growth and the need for new infrastructure;
- ***resource management planning***, or consideration of how best to use the natural resources of the floodplain;
- ***risk management planning***, or how to most effectively deal with the likelihood and consequences of flooding across the floodplain;
- ***flood emergency planning***, or measures to deal with the management of actual floods; and
- ***land use planning***, which encompasses all the above issues and is aimed at achieving the multiple and often conflicting objectives of the community's desired use of the floodplain.

8. If floodplain management is to be successful, it is essential it is undertaken from within a broad planning framework which identifies and considers all factors and issues affecting the management process and its outcomes. Further, it is essential to adopt an appropriate planning horizon: 20 to 30 years would be appropriate. This document describes a planning framework for developing successful floodplain management plans, ie the floodplain management process.

9. A key outcome of the floodplain management process is the floodplain management plan, which embodies the community's considered opinions and balanced compromises regarding how best to manage floodplains on an objective, sustainable and equitable basis for the

benefit of present and future generations. The types of measures available are described in Annex B.

Statutory Planning

10. The statutory planning system, ie town plans, local environmental plans and other formal planning instruments, provides a basic planning foundation for the floodplain management process. Whilst floodplain management plans may have no statutory basis, the statutory planning process provides a suitable and effective vehicle for preparing floodplain management plans and for implementing their land use provisions. All States and Territories have a State planning (and development) agency of some type and a statutory planning system.

11. Floodplain management is essentially a multi-objective land use planning exercise best directed by the agency responsible for local planning—typically a local council or equivalent 'local agency' (collectively referred to as the 'local agency'). Preparation of a floodplain management plan is essentially the same as any other land use planning exercise, with the additional need to take into account the constraints of flood risk and flood hazard, ie risk management considerations.

12. Land use planning controls are the most cost-effective of all floodplain management measures, particularly with respect to limiting the growth in future flood damage. Best practice floodplain management requires that appropriate land use controls are identified and their power and effectiveness preserved by incorporation in statutory planning instruments.

FLOODPLAIN MANAGEMENT

13. The second of the principal systems that constitute the recommended floodplain management process is floodplain management which can be sub-divided into developing policy, establishing the floodplain management advisory committee and devising, implementing and reviewing the floodplain management plan.

Policy

14. As part of the floodplain management process it is recommended that, as part of the strategic planning and operational processes of all agencies:

- all States and Territories develop floodplain management policies that reflect flooding problems and their management in that State or Territory;

- all States and Territories develop flood emergency policies that reflect flood emergency management in that State or Territory; and

- local agencies develop a local floodplain management policy that represents a succinct summary of the local agency's floodplain management plan and is part of its corporate planning and operational activity.

15. Floodplain management policies help raise and sustain State, Territory and local levels of flood awareness. The local policy serves as a comprehensive introduction to flooding matters and management of flooding in the local community. An important component of this policy is the local agency's views on using and developing flood-prone land.

Advisory Committee

16. The first step in the floodplain management process is formation of a floodplain management advisory committee. Such committees are typically formed and chaired by the local agency.

17. ***Role –***The principal objective of the committee should be to help local agency(s) develop and implement a plan for managing the floodplain area(s) under consideration. However, the committee also has a primary role in:

    - formulating the objectives of local agency's floodplain management policy and plan;
    - developing strategies for implementing floodplain management plans;
    - directing and monitoring the progress and findings of any study being undertaken as part of the floodplain management process; and
    - reviewing the plan as required.

18. ***Membership –*** The membership and functioning of a floodplain management advisory committee are important elements in developing and implementing a floodplain management plan. Membership should involve a balanced mix of elected, administrative and community representatives, together with technical experts.

19. Typically, a floodplain management advisory committee could comprise elected members and engineering and planning staff from local agencies, local community representatives and technical representatives from the principal State agencies concerned with floodplain management (eg water resource agencies, natural resource management agencies, planning agencies, emergency management agencies, etc.). Officers from other government agencies may be appointed to the committee as and when required (eg river trusts, road and rail transport agencies).

20. It is important that the link between floodplain management and integrated or total catchment management is appreciated. A floodplain

management plan may form a component of a total catchment management plan. Hence, representatives of the local catchment management committee or catchment management trust should be included on the floodplain management advisory committee.

21. Community representatives should include representatives from affected residential and business areas, together with people who can effectively inform the affected community of the committee's deliberations and so foster a wider understanding of the floodplain management process.

22. In certain circumstances it will be desirable to establish a committee involving a number of adjoining local agencies, eg when structural, land use or flood management measures in one local agency area are likely to influence the effectiveness of mitigation measures or flooding behaviour in another local agency area(s).

23. ***Initial Tasks –*** The committee's first tasks are to establish policy and management objectives; initiate a flood study; and initiate studies to collect and interpret social, economic and environmental data of relevance to community aspirations concerning future development and use of the river and floodplain environment—such data could include:

- past flood data, including flood behaviour in general, principal flow paths, peak flood levels, flood damage, etc.;
- current levels of flood awareness;
- likely community disruption caused by flooding;
- current land use;
- proposed future land use;
- population growth;
- locations of spare capacity in existing infrastructure systems (roads, water supply, sewerage);
- feasibility and costs of infrastructure expansion; and
- flora and fauna surveys of river and floodplain habitat, and the significance of this habitat within the context of the entire catchment.

Flood Study

24. A flood study consists of a comprehensive technical investigation of flood behaviour (see Annex A). It defines the nature and extent of flood hazard across the floodplain by providing information on the extent, level and velocity of flood waters and on the distribution of flood flows. The flood study forms the basis for subsequent management studies

and will need to address these issues for the full range of flood events up to and including the PMF.

25. The two principal components of a flood study are determination of:

- flood discharges throughout the study area for floods of various severities (hydrologic aspects); and
- water levels, velocities, etc. throughout the study area, for the various flood events (hydraulic aspects).

26. A variety of analytical tools can be used in flood studies, depending on the availability of data, the nature of the flow situation, the nature and extent of existing development on the floodplain and the level of detail required. It is recommended that these tools be used by experienced practitioners.

27. An important objective of the flood study is to determine, for various flood events, the extent of defined floodway and defined flood fringe areas of the floodplain and the variation of hazard across the floodplain. Depending on the degree of hazard, certain land uses are generally more appropriate than others.

28. As part of the flood study, it is essential to investigate the full range of possible flood events up to and including the PMF. This enables changes in the nature of flooding to be assessed as the severity of the flood increases, ie in velocity and depth, changes in flood hazard, the creation and/or submerging of ‘islands’, etc. All this information needs to be weighed up when selecting ‘defined flood events’ for planning purposes and for emergency management plans.

29. Finally, the warming of the earth postulated to occur because of the ‘Greenhouse Effect’ will also affect flood behaviour: sea levels may rise and the patterns of and rainfalls from flood-producing storms may intensify. These issues need to be considered as part of a flood study.

Floodplain Management Study

30 The purpose of the floodplain management study is to identify and compare various options to manage flood hazard, including an assessment of their social, economic and environmental costs and benefits, together with opportunities to enhance the river and floodplain environments. Selection of the optimum mix of management measures is no easy task. Compromises have to be made and detailed studies and professional judgements will be needed.

31. Management of flood risk (‘flood risk management’), together with economic, social and environmental assessments, form the basic cornerstones of the floodplain management process of this document.

32. In essence, a floodplain management study is an exercise in multi-objective decision-making which, to be successful, requires a

comprehensive multi-disciplinary approach and active public consultation.

33. Once the results of the flood study and data collection and review studies are to hand, the floodplain management advisory committee then oversees the floodplain management study (see Annex C). The models developed and studies undertaken during the flood study include:

- hydrologic and hydraulic models which allow the impact of structural mitigation measures and different land use options on flooding behaviour and flood hazard to be assessed; and
- data collection exercises which provide the necessary information to assess the social, economic and environmental costs and benefits of the various mitigation measures and future land use possibilities.

34. The edited extract of the SCARM Best Practice Principles at the beginning of this document provides general guidelines for the appropriateness of different types of land use and developments across the floodplain. These guidelines, which are based on the hydraulic and hazard characteristics of the floodplain, are indicative only.

35. The floodplain management plan, when complete, will identify constraints and opportunities for land uses and developments, whilst ensuring that existing flood levels and flood behaviour are not compromised.

36. ***Flood Risk Management –*** This is a formal means of identifying and managing the existing, future and residual risks of flooding. The nature of the flood hazard is discussed in Annex E. Suffice to say here, key elements of the process include:

- identifying the stakeholders exposed to or affecting the risk of flooding;
- identifying public and private property, social systems and environmental elements at risk of flooding;
- estimating flood risk, ie the likelihood and consequences of flooding;
- assessing the acceptability of flood risk; and
- defining flood risk management strategies.

37. Earlier approaches to floodplain management were based on providing ‘protection’ up to a pre-determined flood event, typically the 1 per cent AEP flood. Important differences between this earlier approach and the risk management approach are as follows:

- the risk management approach recognises the need to explore the risks associated with a full range of flood events up to the PMF;
- in the risk management approach, the defined flood event(s) to be used for planning and control purposes are not pre-determined, but emerge from the analysis itself; and
- the risk management approach explicitly recognises the residual flood risk and manages it via a flood emergency plan that is complementary to the floodplain management plan.

38. In addition, the risk management approach requires that 'societal risk', or the risk to the community of fatalities caused by flooding, be reduced to 'acceptable levels'. These acceptable levels may be quite low if based on levels currently accepted for dambreak flooding and industrial and nuclear accidents, eg one fatality for the 1 per cent AEP flood event, and if adopted for rainfall flooding, would indicate the need to devote far higher levels of resources to risk management. This risk is much lower than the risk of death by flooding that society currently bears.

Economic Appraisal

39. Economic appraisal is an essential component of a floodplain management study. If government financial assistance is to be sought, a comprehensive economic analysis of options and impacts is generally a prerequisite. Economic appraisal provides a common framework for assessing the impacts of management options, be they positive or negative in magnitude, and social, environmental or financial in nature.

40. An economic appraisal of proposed management measures will generally need to be undertaken to ensure 'costs' are justified by associated 'benefits'. The economic appraisal usually follows conventional cost-benefit procedures. In addition to project costs and benefits, the appraisal should also include social, environmental and equity costs and benefits, as far as these can be quantified.

41. Economic analysis can also be used to determine the optimum size of a single management measure or the optimum mix (and size) of multiple management measures. One of the significant 'costs' to be included in an economic analysis is the 'cost' of flooding itself (see Floodplains—A National Cost on pages 5 to 7).

42. Economic appraisal deals principally with tangible costs readily quantified in dollar values (direct and indirect costs). However, it is not unusual to proceed with urban flood mitigation schemes on largely social grounds, ie on the basis of the reduction in intangible costs and social and community disruption. It has been found across the world that many flood mitigation schemes are only marginally economic or even 'uneconomic' in strict tangible cost-benefit terms. They may be justified, however, in other terms.

43. As well as costs, there are also ‘benefits’ associated with flooding, such as improved soil fertility through silt deposition across floodplain areas used for agriculture. In addition, flooding episodes are essential to the wellbeing, growth and breeding of many riparian plants and animals along river and creek systems. Floodplain management measures that limit the extent of flooding or reduce the frequency and magnitude of flooding may diminish or even eliminate these ‘benefits’. These effects need to be assessed and taken into account in the economic analysis within a floodplain management study.

Habitat

44. Floodplains, by virtue of their waterbodies, wetlands, fertile soils and associated vegetation, provide important habitat for a variety of animals and plants, as well as people.

45. Human occupation of the floodplain for forestry, agriculture and urban development has led to the clearing and draining of vast areas of natural vegetation and the loss of much riparian habitat. Much of what remains is under threat.

46. Stream ‘improvement’, or the clearing of bed and bank vegetation and obstructions from waterways to facilitate flood flows, was a relatively common structural management measure in the past. However, we now recognise that the riffles, pools, snags and immediate riparian vegetation of the bed and banks of natural waterways provide essential habitat for a wide diversity of creatures. The biological ‘costs’ of any work or measure that impacts on the riverine bio-community need to be assessed as part of a floodplain management study.

47. The floodplain management process provides the community with an opportunity firstly, to preserve, protect and extend remaining areas of habitat, and secondly, to improve or reinstate degraded habitat areas affected by past flood risk reduction measures. Modification to natural channels such as vegetation clearing, channel formalisation or structural measures which interfere with natural sediment budgets or result in concentration of flows can all affect the stability of the riverine system. Instability causes loss of equilibrium and the effect of the system seeking equilibrium is often degradation. The opportunity for and benefits from ‘environmental improvement’ as part of developing and implementing a floodplain management plan should not be overlooked.

48. Thus, an important part of the floodplain management study will be an expert analysis of the habitat of the river and its floodplain, including its importance and relationship to other habitats within the catchment.

Water Quality

49. The quality of creek, river, estuarine and coastal waters affects their use as habitat by a wide variety of flora and fauna, as well as the visual

aesthetics and recreational use of these waterways and their surrounds.

50. Floodplain development for forestry, agricultural and urban purposes can have a variety of detrimental effects on water quality. Surface runoff may contain high levels of silt, nutrients, pesticides, heavy metals and organic matter, which degrade water quality and can lead to the eutrophication of waterways.

51. It should be recognised that some structural mitigation measures, if appropriately designed, can have associated water quality benefits, eg detention basins can be designed to promote a reduction in suspended solids and adsorbed nutrients by settling within the basin.

52. Both the potential ecological benefits and costs of structural measures need to be kept in mind in a floodplain management study.

Sustainable Use

53. These days, it is recognised that the soil, water, vegetation and mineral resources of the floodplain need to be managed in a sustainable way for future generations. A floodplain management study provides an opportunity to address these issues in an effective and integrated fashion.

Social Considerations

54. Important social considerations to be addressed in a floodplain management study include the local community's wants and desires with respect to developing and using flood-prone land, integrating these factors with flood hazard and any regional or local development strategies, and social impacts of flooding on the community. Again, a floodplain management study provides an opportunity for all these factors to be aired and weighed.

Planning Horizon

55. If the floodplain management process is to serve as a useful tool into the future, it is essential that an appropriate planning horizon be adopted for appraising future land use: **20 to 30 years** is appropriate. This may seem extreme; obviously we cannot be certain of the state of the population, economy, society or technology some 30 years into the future. However, it is essential that the planning horizon encompass possible future urban development (based on State and regional planning concepts, as well as local needs) and the possibility of urban renewal on a potentially large scale. All buildings ultimately have to be replaced or substantially renovated; land uses appropriate 50 years ago may not be so in a further 30 years.

56. One significant option in a floodplain management plan is a complete change of land use through redeveloping large areas of existing development. It is essential that the floodplain management study look

sufficiently far ahead to encompass and assess these options.

57. More detail about the floodplain management study is in Annex C.

Floodplain Management Plan

58. The floodplain management plan comprises a coordinated mix of measures that address existing, future and residual flood problems.

59. The plan should specify the objectives of managing the particular area of floodplain under consideration, as well as how this is to be done. It will include, in both written and diagrammatic form, information describing how particular areas of land are to be used and managed to achieve specified objectives. The plan should also include a description and discussion of various issues, problems, special features and values of the area, together with specific management measures to be implemented, along with the means and timing of implementation.

Draft Plan

60. Using the results of all studies undertaken as part of the floodplain management study, a draft floodplain management plan is formulated. The draft plan should take into account a number of diverse considerations, including:

- flood behaviour, including risk, prevailing hazard and changes occasioned by proposed future land developments;
- links between the floodplain management plan and the flood emergency plan;
- economic analysis of potential works and measures, together with the cost of flooding to the private and public sectors which must include a strict cost-benefit analysis, ie costs to the environment (see Annex C) and how, if works are to be implemented, achievement (or otherwise) of the established cost-benefit ratio is to be measured;
- environmental factors, including enhancement and restoration of the river and floodplain environment;
- social factors, including the needs of the local community and intangible flood costs; and
- local, regional and state planning needs, restrictions and opportunities.

61. Preparing a draft floodplain management plan is not easy. It is time consuming and involves trade-offs between different objectives and between different stakeholders. As noted earlier, this is probably the most important and most difficult task of the floodplain management advisory committee.

Exhibition and Public Comment

62. Community consultation is an essential element in formulating, accepting and implementing a floodplain management plan. Best practice principles require that local agencies actively involve representatives of the public, particularly owners of land in defined flood areas, in preparing and reviewing the floodplain management plan.

63. Irrespective of any statutory requirements, the draft floodplain management plan should be exhibited and public comment sought and be taken into account before the plan is finalised.

Adoption and Implementation

64. Once the local agency has adopted a floodplain management plan, the next phase is implementation. Certain components can be implemented relatively quickly, such as development and building controls, flood education and public awareness programs.

65. Statutory planning instruments are the most effective means of controlling development of flood-prone land. After adopting a floodplain management plan, local agencies should foster, as a matter of urgency, preparation or amendment of appropriate statutory planning instruments to give effect to proposed land use and development controls.

66. It is unlikely that all provisions of a floodplain management plan can be implemented immediately. Available funding will determine when certain options can commence (eg structural measures and voluntary property purchase). Consequently, a strategy needs to be developed to implement the various elements of the plan over time. The strategy should include staging of components dependent on funding availability and adoption of interim measures.

67. If a local agency seeks State or Commonwealth Government financial assistance to implement a floodplain management plan, it will be required to:

- provide advice on the methods used to seek public comment;
- take account of the submissions received;
- formulate a balanced plan acceptable to the community; and
- propose safeguards to minimise any adverse environmental impacts.

68. The floodplain management study, if properly and thoroughly undertaken, should provide all the support necessary for application of government funds.

Review of Plan

70. A floodplain management plan represents the community's considered judgement on how it's floodplains should be developed. The plan is not a static document and should be reviewed at regular intervals of perhaps five to 10 years, or after a severe flood that gives rise to revision of the flood study results. Such reviews need to address changes in:

- flood behaviour (perhaps a large flood has occurred since the plan was formulated or an upstream dam has been constructed);
- roles and responsibilities of the various agencies concerned with floodplain management; and
- aspirations of the community regarding future growth and development.

71. More detail about the floodplain management plan is contained in Annex D.

Figure 2:1—Recommended Floodplain Management Process

FLOOD EMERGENCY MANAGEMENT

72. The third of the principal systems that constitute the recommended floodplain management process is the flood emergency management system. This system is aimed at reducing the hazard during actual flood events. This is done by developing a local flood emergency plan.

73. If the existing, future and residual flood problems are to be effectively managed, close liaison and integration between the floodplain management planning process and the flood emergency planning process is essential (see Figure 3:1). To this end, it is essential that a local representative (and possibly a regional representative) of the flood response agency is a member of the floodplain management advisory committee.

Flood Hazard Analyses

74. The first step in flood emergency planning is to carry out a hazard and vulnerability analysis of floodplain areas under consideration.

75. This requires information concerning the extent, depth, velocity, duration and rate of rise of flood waters, as well as topographic information relating to loss of road access, the formation and/or submerging of 'islands', etc. The flood study generates all of this information. During the course of the flood study, it is important that there is close liaison between the engineers undertaking the investigation and emergency services personnel, who may have specific requests of the flood study, such as estimates of the time available before key roads become untrafficable.

76. Once the hazard analysis is complete, the more hazardous areas of the floodplain will have been defined as will the population at risk. Note that the degree of hazard and the extent of hazardous areas will generally change with flood severity. In most Australian States and Territories, emergency management agencies have recently adopted the PMF event as the basis for flood management planning.

77. More detail about the flood hazard is contained in Annex E.

Flood Warning Systems

78. Flood warning systems are increasingly being used when implementing floodplain management plans. Several points should be noted about such systems:

- To be effective, warnings need to be timely, ie there needs to be sufficient time for emergency measures to be carried out, whether by individual landholders or by emergency agencies.

- Forecasts of peak flood levels are predictions of future flood behaviour. Such forecasts are based on a knowledge of

progressive flood behaviour to date, either in terms of catchment rainfalls or upstream water levels. As such, forecast flood levels contain uncertainties, eg because additional rain falling in ungauged areas of the catchment is not 'seen' by the forecasting system. Thus, **forecast flood levels should be interpreted in terms of likely rather than absolute flood levels**. Undue reliance on the accuracy of forecast flood levels can exacerbate damage if actual levels are higher than predicted.

- Flood warning by itself does not alleviate hazard and flood damage. Accompanying flood defence and evacuation arrangements are required, ie a comprehensive flood emergency plan.

Flood Emergency Plan

79. After completing hazard analyses, emergency management agencies will prepare or amend the local flood emergency plan. This is a detailed document which will address, amongst other things, preparedness for, response to and initial recovery from flood emergencies.

80. The primary aim of a flood emergency plan is to reduce hazard during an actual flood event. To this end, essential issues addressed in the plan are flood forecasting, flood warning, evacuation and initial recovery.

81. The flood emergency plan complements the overall floodplain management plan. Again, close liaison is needed between emergency management personnel and other members of the floodplain management advisory committee during the floodplain management study to ensure proposed structural, land use planning and development and building control measures do not unduly increase hazards or put unreasonable claims on emergency management agencies during an actual flood event.

82. Local agencies generally have a significant role to play in flood emergency management with respect to flood warning, providing manpower and equipment and managing other flood-related tasks. All these issues need to be determined during development of a flood emergency plan.

83. Typically, a flood emergency plan has several 'trigger points' that result in the progressive activation and implementation of the plan as an actual flood event develops. Close liaison is required between the Commonwealth Bureau of Meteorology (generally the provider of flood forecasts), the emergency management agency and the local agency to ensure smooth and appropriate activation of flood emergency measures.

84. The flood emergency plan should also include responsibilities for protecting essential infrastructure (eg sewerage, water supply,

telephones, etc.).

Storm Surge Flooding

85. Whilst there are some similarities with mainstream flooding, the destructive forces accompanying a major storm surge event mean the attendant risk to life and limb and potential for structural damage can be expected to be substantially greater.

86. Uncertainties relating to storm surge are due to inability to confidently predict the route and speed of the accompanying cyclone. This means the surge height cannot be predicted with any certainty and areas likely to be affected cannot be clearly identified in advance.

87. As evacuation during a cyclone is almost impossible, areas that may be at risk need to be evacuated well in advance. This can lead to much larger areas being evacuated than will actually be affected and false alarms which can lead to a loss of public confidence in the warning process.

88. The unpredictability and increased risk level suggest that frequency for the defined storm surge event (for development control purposes) needs to be chosen carefully. Also, the planning and response phases of the emergency planning process need to be specifically tailored to address the higher risk and the uncertainties.

Further Information

89. More detailed best practice guidelines are available for Flood Warning (EMA 1999b) Flood Preparedness (EMA 1999a) and Flood Response (EMA 1999c).

Acceptance of Plan

90. After a flood emergency plan has been developed it needs to be formally accepted and approved by the State or Territory emergency management administration in accordance with the relevant legislation, regulation or order.

Implementation of Plan

91. Public awareness and public education are important elements of a flood emergency plan. It is important that the community understands the flood emergency plan and its provisions.

92. The local emergency management representative should liaise with the local agency to instigate appropriate awareness and education programs, which need to be seen as an on-going, long-term ‘maintenance cost’ of a flood emergency plan. Awareness and education must be fostered on a regular basis if the community element of flood emergency management is to be effective.

93. In addition, the local emergency management representative should ensure the local agency is aware of its role under the flood emergency plan and all necessary steps have been taken to ensure easy implementation when required.

Education, Training and Research

94. The floodplain management process described above represents a significant change from past practice. To foster the recommended process requires an on-going commitment to education and training of the nation's floodplain and flood managers by the three levels of government and by professional bodies, such as the Institution of Engineers, Australia.

95. Exchange of information, experiences, difficulties, problems and solutions between the States and Territories is essential to better floodplain management. This can be achieved by workshops and conferences, perhaps on a biannual basis. SCARM's Floodplain Management Working Group has a central role to play in fostering education, training and research.

CHAPTER 3

FLOOD EMERGENCY PLANNING

IN A NUTSHELL …

Flood emergency management consists of Prevention, Preparedness, Response and Recovery (PPRR).

Floodplain management and flood emergency management must be coordinated.

OVERVIEW

1. Various aspects of flood emergency planning, namely flood preparedness, flood warning and flood response, are discussed in some detail in companion Guides (EMA 1999a, b and c). This section briefly describes the general approach to emergency management in Australia, as adopted by Emergency Management Australia and State and Territory flood emergency management agencies, so floodplain managers can better appreciate how they can contribute to the flood emergency planning process. In addition, this section identifies reciprocal opportunities for flood emergency managers to coordinate and liaise with the floodplain management planning process.

EMERGENCY MANAGEMENT IN AUSTRALIA

2. Through Emergency Management Australia, the community has adopted a national approach to emergency management that recognises four components to managing any emergency—they are:

   - **prevention;**
   - **preparedness;**
   - **response; and**
   - **recovery.**

   Referred to as the 'PPRR' system of emergency management.

3. Table 3:1 shows the various activities embraced by each component, as they apply to managing flood emergencies. The following aspects of Table 3:1 should be noted:

   - The four PPRR activities are 'components' rather than 'phases' of the flood emergency management process. **The four components are not sequential stages of an emergency operation**. For example, in managing flood emergencies, it is common for recovery operations to commence while flood response operations are still in train.

- Flood prevention (or mitigation) activities **can only be comprehensively, objectively and effectively defined** via the floodplain management planning process.
- Flood prevention activities are aimed at reducing existing flood risk and controlling future flood risk.
- Flood preparedness, response and recovery activities are aimed at managing existing, future and residual risk.

4. Thus, while the flood emergency planning system embraces the four PPRR components, 'prevention planning' can only be effectively undertaken through the floodplain management planning process, which SCARM describes in detail (SCARM 1998). The term 'flood emergency planning', as used in this manual, embraces flood preparedness, response and recovery activities.

ROLES AND RESPONSIBILITIES

5. From the nature of activities listed in Table 3:1, it is apparent that a variety of local, State and Territory and Commonwealth government agencies have roles to play in the four components of flood emergency management. Table 3:2 indicates the major areas of responsibility of various public agencies, the number of ticks indicating the relative significance of one agency's responsibilities compared to another's.

6. From Table 3:2 it is apparent that floodplain management planning is firmly centred on the prevention component with some overlap into the preparedness component (eg to foster community awareness and education in regard to flooding, develop a flood warning system).

7. It is also apparent that the flood emergency planning process encompasses preparedness, response and recovery activities.

Table 3:1—Details of the four components of Australia's flood emergency management system

Prevention activities	Preparedness activities	Response activities	Recovery activities
Legislation	Foster community awareness/ education	Issue warnings	Undertake cleanup operations
Structural mitigation measures	Develop disaster plans	Implement emergency legislation/ declaration	Restore essential services
Land use planning controls	Develop emergency communication systems	Implement evacuation plans	Provide counselling
Development and building controls	Develop flood warning system and sub-plan	Implement plans	Provide temporary accommodation
Relocation from unsafe areas	Undertake training exercises	Activate operations centres	Provide financial support/ assistance
Tax and insurance incentives/ disincentives	Mutual aid agreements with local, State and Commonwealth agencies	Mobilise resources	Provide health and safety information
Public information	Provide special resources	Notify public authorities	Provide long-term medical care
Community awareness/ education	Prepare resource inventories	Provide medical assistance	Restoration/ reconstruction of public assets and infrastructure
		Provide immediate relief	Assess economic impact
		Search and rescue	Review operation of flood emergency management system
		Evacuate people at risk	

Table 3:2—Broad areas of responsibility, major public agencies, flood emergency management

Agency		Flood Emergency Management Component			
Jurisdiction	Nature	Prevention	Preparedness	Response	Recovery
Local	Local agency	✓✓✓	✓✓	✓✓	✓✓
State and Territory	Emergency Services	✓	✓✓✓	✓✓✓	✓
	Recovery agency		✓	✓	✓✓
	Technical agencies	✓✓	✓	✓	
Common-wealth	Bureau of Meteorology		✓	✓✓	
	Emergency Management Australia	✓	✓✓	✓✓	✓
	Dept of Transport & Regional Services	✓			✓
	Dept of Finance				✓✓
	Telstra				✓

Key: The number of ticks denotes degree of involvement of the listed agency with the listed activity, therefore, ✓✓✓ denotes major involvement, ✓✓ moderate involvement, and ✓ some involvement.

Prevention Activities

8. Prevention activities are firmly centred on the floodplain management planning process. Consequently, the local agency plays the lead role in prevention activities, which are largely embodied in the floodplain management plan.

9. Of the State and Territory agencies, flood response and technical agencies also have roles to play in prevention activities. Therefore:

- a number of technical agencies provide advice to the local agency during preparation of a floodplain management plan and, as such, play an active role in the prevention component, eg State water resource agencies ensure hydrologic and hydraulic studies undertaken to predict flood behaviour are of an appropriate technical standard and help interpret flooding behaviour; and

- State/Territory flood response agencies have an important role to play by ensuring emergency management considerations are addressed and integrated into the floodplain management plan.

10. Two Commonwealth agencies contribute to the prevention/mitigation component of flood emergency management. Emergency Management Australia provides community and school education material emphasising prevention/mitigation activities as well as funding and publishing best practice guidelines such as this publication. It also funds some State/Territory mitigation projects and is developing a national disaster mitigation framework for coordinated action. The Department of Transport and Regional Services is also involved by providing significant flood mitigation project funding for States and Territories.

Preparedness Activities

11. The preparedness component of flood emergency planning draws on the resources and experiences of agencies at all levels of government. Best practice principles dictate that a single agency be responsible for organising preparedness and response activities, ie a single 'flood combat agency'.

12. Of the State and Territory agencies, State/Territory Emergency Services are generally the lead agencies, or have a coordinating role with regard to flood preparedness activities.

13. In the course of preparing evacuation plans, the responsible agency will need information concerning flood behaviour. This information can be generated by the flood and floodplain management studies.

14. The State or Territory water resources agency has an important role to play in providing and interpreting information concerning flood behaviour.

15. Local agencies have an important, but subsidiary, role to play in flood preparedness activities. When a flood occurs, the local agency's human, equipment, infrastructure and economic resources will generally play a large role in flood response and recovery activities, eg distributing flood warnings, providing heavy equipment for evacuation purposes, etc. Local councils have an important role in helping the emergency agency foster community awareness and in making equipment, facilities and people available for training, response and recovery programs.

16. Two Commonwealth agencies have active roles to play in flood preparedness activities: the Bureau of Meteorology and Emergency Management Australia. The Bureau of Meteorology is Australia's lead agency with respect to flood forecasting. An appropriate flood warning system needs to be drawn up in consultation with of the State or Territory Flood Warning Consultative Committee. Emergency

Management Australia provides awareness and education material and campaigns and enhances State and Territory preparedness and response capabilities through funding and training programs.

17. Thus, the flood preparedness component of flood emergency planning is a complex process involving integration of the efforts of various local, State and Territory and Commonwealth agencies into a coordinated plan to be activated in a 'flood emergency'.

18. If this process is to be successful, it must be under the control and coordination of a single lead agency. Further, a number of flood preparedness procedures need to be practiced through training exercises. It is essential that local agencies and flood-prone communities realise that 'flood preparedness' is an on-going exercise and that the cost of training activities, together with 'flood awareness' programs, be appreciated as a 'maintenance cost' of responsible floodplain management.

Response Activities

19. When a flood emergency occurs, all agencies involved in flood emergency planning are called upon to undertake a number of response activities (see Table 3:2). The lead agency, with regard to flood response, is the State or Territory Emergency Service, which activates and coordinates all response activities (see Table 3:1).

20. Local agency personnel have a number of roles to play, such as:

- disseminating flood warnings (in conjunction with the Bureau of Meteorology and the flood emergency management agency);
- evacuating and sheltering people at risk (local equipment and buildings may also be needed); and
- protecting council infrastructure (eg removing electric motors from sewerage pumping stations, etc).

21. Once flood response activities are initiated, the recovery agency will need to be notified to begin assessing the nature and dimension of recovery arrangements.

22. The State or Territory water resources agency can usually provide information on likely flood behaviour as the flood develops, especially if flood response involves releases from major storages.

23. The Bureau of Meteorology has the lead role in flood forecasting.

24. Emergency Management Australia has access to the full range of Commonwealth resources which can be used to facilitate defence and evacuation activities, if necessary. Under this arrangement, RAAF aircraft, for example, often provide food relief in the form of fodder drops to stranded livestock and re-supply of food to isolated

communities.

25. State and Territory welfare agencies are generally the lead agencies in recovery planning. As such, they need to liaise closely with State/Territory Emergency Services to ensure recovery plans are fully integrated with response plans.

Recovery Activities

26. A State or Territory welfare agency must play a major role in flood recovery activities. The welfare agency should coordinate provision of financial relief, along with temporary accommodation if required. In a major flood emergency this task may take several months.

27. Local agencies have key roles to play in clean-up operations and in reinstating local authority infrastructure, eg water supply and sewerage. They will be assisted in this work by a number of State and Commonwealth agencies, such as those responsible for public works (water supply, sewerage, repairs to public buildings) and main roads (repairs to public roads and bridges). Some State and Commonwealth agencies have explicit responsibility for repairing essential services, eg Telstra repairs the telephone network. Emergency Management Australia provides best practice disaster recovery manuals and training courses for States and Territories. It also plays an important role on the Commonwealth Counter Disaster Task Force (CCDTF) which is activated following major disasters involving a long recovery phase. The Commonwealth Department of Finance also has an important role in recovery as it administers and funds the National Disaster Relief Arrangements which involves substantial financial assistance to States and Territories following many significant natural disasters.

28. The State/Territory Emergency Service has a limited, but important role to play in recovery activities, namely to ensure initial recovery operations are adequately resourced. After this, on-going recovery operation and arrangements are left in the hands of the lead recovery agency.

NEED FOR A COORDINATED APPROACH

29. If management of existing, future and residual risk across our floodplains is to be effective, close integration of floodplain management planning and flood emergency planning processes and their associated activities is essential.

- A floodplain management plan is the principal instrument for implementing the flood prevention component of flood emergency management. The lead agency in floodplain management planning is the appropriate ‘local agency’.

- A flood emergency plan is the principal instrument for managing the flood preparedness, flood response and flood recovery components.

Planning Opportunities and Special Considerations

30. The floodplain management planning process provides a number of opportunities to prepare flood emergency plans to address rainfall and storm surge flooding. However, floodplain management plans do not generally address dambreak and tsunami flooding. If dambreak flooding is of concern, emergency service agencies will need to refer to a specific dambreak flood study (many such studies have been undertaken in Australia) to obtain specific information on the associated hazard. Even in these circumstances, a floodplain management study may provide useful information with respect to flood behaviour.

31. Thus, in preparing flood emergency plans, personnel from the flood emergency management agency and other agencies contributing to flood emergency planning need to be aware of the following opportunities presented by the floodplain management planning process:

- The floodplain management advisory committee provides a venue for personnel from the flood emergency management agency and other agencies associated with flood emergency planning to contribute to the floodplain management planning process and to receive information from that process. It is therefore essential that key agencies involved in preparing the flood emergency plan be represented on the floodplain management advisory committee.

- The flood study provides an opportunity for State/Territory Emergency Services personnel to have flood behaviour in particular flood prone areas of concern investigated via the hydrologic and hydraulic models developed for the flood study, eg to investigate the changing nature of hazard as flood severity increases or the time that a key evacuation route remains trafficable, etc.

- An important outcome of the flood study is production of flood maps showing the extent of flooding for different flood events. By liaising with the floodplain management advisory committee, flood emergency management agencies can have customised flood maps produced to help them manage flood emergencies.

- The floodplain management study provides a number of opportunities for the flood emergency management agency to integrate emergency planning considerations into the floodplain management plan. For example, it provides an opportunity to consider the emergency management consequences of proposed future land use, the adequacy of existing evacuation routes and the impact of additional pressure associated with future development on existing evacuation routes. In addition, it provides the flood

emergency management agency with the opportunity to comment on the emergency management consequences of proposed structural measures, such as the overtopping of levees and the relative expenditure between a flood warning system and structural controls. There is considerable merit in a joint study of flood hazard by the State/Territory Emergency Service and those preparing the floodplain management plan. This provides a consistency of approach to hazard assessment, to assessing the impact of land use on hazard and development of evacuation sub-plans.

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ANNEX A

THE FLOOD STUDY

INTRODUCTION

1. A flood study is a comprehensive technical investigation of flooding behaviour that defines the extent, depth and velocity of flood waters for floods of various magnitudes. This enables both the hydraulic category and hazard category of the defined flood area to be determined. A flood study is the principal technical foundation from which a floodplain management plan is formulated.

2. In addition, a flood study identifies aspects of flooding behaviour that require special consideration. For example, if the rate of rise of flood waters is especially rapid, the degree of hazard is increased because of shortened warning and evacuation times. Similarly, the degree of hazard is increased if rising flood waters create islands from which evacuation is difficult or impossible.

3. The two principal components to a flood study are:

   - hydrologic analysis or estimation of flood discharges for floods of various magnitudes; and
   - hydraulic analysis or determination of the extent, depths and velocities of flooding.

HYDROLOGIC ANALYSIS

4. The discharge of flood waters past a given point on a river system which is measured in terms of cubic metres per second (m^3/s) varies throughout the course of a flood event. Figure A:1 shows typical discharge hydrographs, or variations of discharge with time. The hydrographs are characterised by a relatively rapid rate of increase in discharge on the rising limb up to the peak discharge, followed by a slower decline in discharge on the falling limb. Blunder Creek at King Avenue, Brisbane, Queensland, has a catchment of 52 km^2; the Clarence River at Grafton, New South Wales, has a catchment of 19,900 km^2. Hence, the much higher peak discharge of the Clarence River and its slower rate of increase in discharge.

5. Before the depths and velocities of flood waters can be determined it is necessary to know the peak flood discharge and, in some situations, the entire discharge hydrograph. Two techniques are commonly used to estimate peak flood discharges and hydrographs: flood frequency studies and rainfall runoff models.

Figure A:1—Discharge Hydrograph

Flood Frequency Studies

6. A flood frequency study is a means of determining the relationship between peak flood discharge at a location of interest and the likelihood of occurrence of a flood event of that size.

7. Flood frequency studies are generally based on peak annual discharges determined at a stream gauging station close to the location of interest. In general, creek and river discharges are not measured directly. Rather, discharges are estimated from water levels, which can be measured relatively easily and inexpensively, eg automatic water level monitors are commonly used these days to record the change in water levels as a flood passes downstream. A rating curve is derived to relate measured water level to inferred discharge.

8. The rating curve is based on actual measurements of discharge (made with a current meter) and on hydraulic analyses.

9. Most discharge measurements made with a current meter are taken in the low discharge range, ie at discharges which may amount to only 10 per cent to 20 per cent of the 1 per cent AEP flood discharge. Further, whilst low flows are often ‘well behaved’, with the waters confined to

the main river channel, high discharge behaviour is often characterised by development of extensive areas of overbank flow and multiple major flow paths. Thus, whilst a rating curve may be reliable for low discharges, it becomes increasingly unreliable for higher discharges, especially for severe flood discharges. Hydraulic analyses are used to extend the rating curve into the range of water levels characteristic of larger floods. These analyses are approximate rather than exact for reasons outlined above. As a consequence, peak annual flood discharge estimates—as obtained from recorded water levels at a gauging station—are accurate to within about ± 20 per cent, even when made by an experienced hydraulic engineer.

10. Figure A:2 shows the rating curve for the stream gauging station at Walyunga (GS 616 011) on the Avon River, Western Australia. Gauged discharges are shown as solid circles. The curve indicates that for a gauge height of five metres, the discharge is some 350 m^3/s. The Avon River at Walyunga is actually a 'well gauged' river. The highest gauged discharge is 650 m^3/s, which is about 40 per cent of the 1 per cent AEP flood discharge of 1700 m^3/s.

Figure A:2—Rating Curve—Avon River at Walyunga

11. Once a rating curve has been defined, the peak annual flood levels recorded at a stream gauging station can be converted to peak annual

discharges and a frequency analysis of the discharges can be undertaken. Figure A:3 shows the frequency distribution of peak flood flows in the Avon River at Walyunga for the 13 largest floods over the period 1862–1985. Note that hydraulic models were used to estimate discharges at high flood levels.

12. According to this curve, the discharges of the 10 per cent AEP and 1 per cent AEP flood events are 650 m^3/s and 1700 m^3/s respectively.

13. Because of the generally short periods of recording at most gauging stations across the nation (20 to 50 years on average), there is always a degree of uncertainty in the estimates of peak discharges obtained from a flood frequency analysis. These uncertainties are of a statistical nature and are additional to inaccuracies arising from an unreliable rating curve.

14. These statistical uncertainties are illustrated in Figure A:3, which shows the 95 per cent and 5 per cent confidence limits for flood discharges in the Avon River at Walyunga. These confidence limits provide a measure of the statistical reliability of flood frequency discharge estimates and reflect the effects of a limited body of data (only 13 flood events) being used to estimate discharges. The 1 per cent AEP flood estimate for the Avon River at Walyunga is 1700 m^3/s.

Figure A:3—Flood Frequency Curve for Avon River at Walyunga

The 5 per cent and 95 per cent confidence limits are 3000 m^3/s and 1000 m^3/s respectively, ie there is a 5 per cent chance that the ‘true’ 1 per cent AEP discharge is greater than 3000 m^3/s and a 95 per cent

chance that it is greater than 1000 m^3/s. Needless to say, the 'best' estimate of the 1 per cent AEP discharge is 1700 m^3/s.

15. To summarise: flood frequency studies are a relatively rapid means of estimating the peak discharge of 'standard' flood events of interest. Additional studies enable the hydrographs associated with these peak discharges to be defined. Significant errors can arise through inaccuracies in rating curves and from using relatively short periods of recording to determine flood discharges.

Rainfall Runoff Models

16. A rainfall runoff model is a mathematical representation of the various catchment processes that transform rainfall into runoff. With these models, a nominated rainfall event is input to the model, which then simulates the associated discharge hydrograph at locations of interest in the catchment.

17. The two main catchment processes that affect the size and shape of discharge hydrographs are rainfall losses and storage routing effects as the runoff travels down the catchment. Rainfall runoff models can only approximate these processes—to obtain reliable estimates of discharge hydrographs it is necessary to calibrate the model to a flood event for which both rainfall and discharge data have been recorded.

18. The calibration process consists of adjusting rainfall loss rates and routing parameters to obtain agreement between the recorded and simulated hydrographs. The calibration process is often lengthy and difficult; calibration should also be verified against several other recorded flood events to ensure the model acceptably reproduces recorded results. Once calibrated, the rainfall runoff model can then be used with some confidence to predict discharge hydrographs associated with rainfall events of known severity.

19. Rainfall data throughout Australia are available in the form of intensity–duration–frequency data, from which it is possible to determine the intensity of rainfall (in millimetres per hour) for a given duration of storm (in hours) with a specified annual chance of occurrence for any given location (Institution of Engineers, Australia 1987).

20. In summary, rainfall runoff models are a useful tool for simulating discharge hydrographs and for estimating peak discharges. However, reliable results will only be obtained if the model is calibrated against a recorded flood (hopefully large) and verified against other floods. Rainfall runoff models provide a convenient way of estimating discharge hydrographs in catchments containing dams or reservoirs (the effects of these storages on discharge hydrographs can easily be incorporated in the model).

Comparison of Methods

21. Provided recorded flood data are available at a representative stream gauging station, and the period of record is adequate, a flood frequency study provides a rapid estimate of peak flood discharges. Actual flood hydrographs can be determined by investigating recorded hydrographs.

22. In general, rainfall records have been kept for longer and are more extensive than are streamflow records. Hence, rainfall data has a greater degree of statistical reliability than discharge data. Consequently, it is usual to use a rainfall runoff model to estimate peak discharges and hydrographs. Such a model can also simulate the effects of different land use developments on discharge hydrographs (eg urbanisation, dams, mitigation works etc.).

HYDRAULIC ANALYSIS

23. Having estimated the peak discharges (and the discharge hydrographs if necessary) of flood events of interest, water levels, velocities and the extent of flooding along the reach of the river under consideration can be determined. This requires an hydraulic model.

24. Hydraulic models are of two main types: numerical and physical. In numerical models, a computer is used to solve the equations representing the flow of water down a river system and so to predict water levels and velocities. A physical model is a ‘scaled down’ version of the actual river system being studied. Although useful in complex flooding situations, physical models are rarely used in flood studies these days. Before describing numerical models in some detail, the various factors that affect water levels and velocities are briefly discussed.

Water Levels and Velocities

25. The water level and velocity associated with a discharge of water past a given point on a river system depends principally on:

- the available energy driving the flow;
- the loss of energy associated with frictional effects as the flow moves over the bed and banks of the river channel and floodplains; and
- the cross-sectional area of flow.

26. Water flows from one place to another because of a difference in energy levels. In broad terms, the available energy is defined by the slope of the river channel (‘hydraulic gradient’). The greater the slope, the greater the gravitational energy available to cause water to flow from upstream to downstream locations and the faster the water flows. Flowing water uses energy to overcome frictional resistance as it

moves along the river channel and over the floodplains.

27. Rough surfaces, such as outcrops of rock, trees, tree roots, fallen logs and tangled and matted vegetation, produce much greater frictional resistance than smooth surfaces, such as grass, croplands and concrete-lined channels. Where the frictional resistance is low, water flows faster and shallower.

28. The area and depth of flow also affect water levels and velocities. The larger the area of flow, the smaller the velocity needed to pass a given discharge; shallower flows are ‘slowed down’ by friction to a greater extent than deeper flows.

29. It should be noted that in general the slope of the river channel will change along its length. In addition, the frictional resistance will generally vary across the width of a cross-section and along the reach of interest. Further, the width and shape of cross-section will also change along a river.

30. Because of these variations, the factors affecting water levels and velocities interact in a complicated way. This interaction is further complicated by the presence of raised road embankments or bridges across flood-liable lands, and the presence of any significant flow constrictions along the river system.

Development of Numerical Models

31. In a numerical model, the various equations which relate available energy to friction losses and the area and depth of flow are solved by the computer. This process provides estimates of water levels, velocities and the extent of flooding.

32. Numerical models require data concerning the bed slope, frictional resistance and topography of the river channel and floodplains. These data are obtained by:

- closely studying the river reach of interest, both from topographic maps and from field inspection, to obtain a general understanding of likely flooding behaviour;
- selecting and measuring a number of cross-sections which are representative of the topography and frictional resistance by field survey to enable channel slopes and the depth and areas of flow at these locations to be determined for any water level; and
- estimating, by visual inspection of the area, the frictional resistance at the various cross-sections noting the type and nature of bed and bank materials, the presence of trees, scrub, rocks, logs, etc.

33. All this data is fed into the model, which is then ready for calibration. If the downstream end of the model is non-tidal, then a rating curve is used to determine the downstream water level. If the downstream end

of the model is a tidal river reach or the sea, it is necessary to incorporate the rise and fall of downstream water levels in the model.

Calibration of Numerical Models

34. The calibration process consists of adjusting various parameters in the model to obtain agreement between recorded and simulated water levels during a severe flood. First, a flood suitable for calibration is adopted. Next the peak discharge or discharge hydrograph of the flood is estimated and input to the model. Information on peak flood levels and flood behaviour is sought from old-time residents, newspapers, council records, etc. All of this information is used in the calibration process as a basis for adjusting frictional resistance parameters and modifying cross-sections to achieve agreement between recorded and simulated water levels.

35. There are a number of uncertainties in the calibration process: the most recent large flood suitable for calibration may have occurred some years ago and hydraulic conditions may have changed in the interim; and the passage of time will have reduced the number of old-time residents still living in the area and will have clouded their memories of the flood. Calibration of hydraulic models requires both detective work and judgement to uncover facts. Inconsistent ‘facts’ have to be identified and discarded; discrepancies have to be studied and explained.

BRIDGE AFFLUX

36. Constructing road embankments and bridges across floodplains impedes flood water flow. This results in the water level upstream of the bridge being higher than it would be in the absence of the bridge. This difference in water levels is referred to as ‘afflux’.

37. The greater the constricting effects of embankments and bridges, the greater the afflux, and the greater the effect of bridges on upstream flood levels. The effect of bridges on flood behaviour is incorporated in hydraulic models through a set of relationships between the hydraulic characteristics of the waterway section of the bridge and upstream and downstream flood levels.

COASTAL EFFECTS

38. On inland streams and in the non-tidal areas of coastal rivers, the size and frequency of a flood at any point depends on the volume and timing of runoff from the catchment. However, in the lower tidal reaches of rivers, flooding is more complex as it depends not only on rainfall, but also on increased ocean levels arising from ocean tides and storm surge effects.

39. Elevated ocean levels increase flood levels in the lower reaches of a river by either impeding flood waters from discharging into the ocean or

by filling up low-lying land and estuarine areas before river flooding arrives.

40. Flooding around coastal lakes and lagoons can arise from a combination of elevated ocean levels (as discussed above), sediment constricting the lagoon entrance, river and stream flood waters discharging into the lake or lagoon and wind-generated waves in the lake itself.

41. All these influences need to be assessed and appropriately incorporated in the hydraulic models used to estimate flood levels.

THE GREENHOUSE EFFECT

42. A flood study should also address possible implications of the Greenhouse Effect on flooding behaviour.

43. The Greenhouse Effect refers to the inferred warming of the earth and its atmosphere due to accumulation of certain gases, such as carbon dioxide, nitrous oxide, methane and chloroflurocarbons in the atmosphere. The Institution of Engineers, Australia has prepared several position papers on the Greenhouse Effect (Institution of Engineers, Australia a, b and c).

44. Because of the Greenhouse Effect, the temperature of the atmosphere may rise by 1.5^{o}C to 4.5^{o}C over the next 30 to 50 years. Greenhouse changes may have a number of possible adverse effects on flooding behaviour, such as:

- rainfall patterns and intensities which are expected to change with more frequent floods and droughts, ie storms may intensify and so increase the severity of resulting floods;
- tropical cyclones and sub-tropical low pressure systems which may increase their southern excursion by another 200–400 kilometres and increase in intensity; and
- coastal sea levels which are expected to rise by 0.2 metre to 1.4 metres over the next 50 years and so exacerbate flooding problems in coastal areas, estuaries and along the tidal reaches of coastal draining rivers.

45. The consequences of increases in sea levels and more severe flood behaviour should be assessed as part of a flood study. The degree to which these changes are incorporated in flood level estimates should be decided after discussion with representatives from the various State water resources agencies.

46. In attempting to plan for the Greenhouse Effect, it is important that a floodplain management plan be ‘robust’, ie if in 30 years time the Greenhouse Effect is worse than currently anticipated, the adopted plan should not be unduly disrupted.

ANNEX B

FLOODPLAIN MANAGEMENT MEASURES

1. This Annex provides general background information on the various categories of floodplain management measures and on individual measures themselves, including their advantages and potential disadvantages.

2. For convenience, the various measures have been described in isolation. But **a fundamental principle of good floodplain management is that management measures should not be considered in isolation**. Rather, they need to be considered collectively on a risk management basis from within the all-embracing framework of a floodplain management study that allows their interactions, their suitability and effectiveness, and their social, ecological and economic impacts to be assessed on a community-wide basis.

LAND USE CONTROLS

3. Land use controls, which include, inter alia, zoning controls and the voluntary purchase of properties located in unduly hazardous areas of the floodplain, are respectively aimed at shepherding inappropriate future development away from high risk areas of the floodplain and removing existing high hazard developments from the floodplain.

4. Appropriate land use controls are essential if the rate of growth of future flood damage is to be limited.

5. Planning measures will usually result in some community groups or areas of the floodplain being advantaged, whilst other groups or areas are disadvantaged. It is essential that planning measures be formulated and resolved within the context of an overall floodplain management plan so contentious issues can be addressed objectively and as equitably as possible.

Zoning

6. Division of flood-prone land into appropriate land use zones is an effective and sustainable means of limiting flood damage to future developments.

7. Local agencies should give due consideration to selecting appropriate zones and related development and building provisions when flood-prone land is being rezoned. As a matter of course, any flood-related zonings should be incorporated in town planning schemes (and other planning instruments) once the floodplain management plan has been finalised and adopted.

8. Zones over flood-liable land should be based on an objective

assessment of social, economic and ecological issues, as well as flood risk. Issues to be considered would include:

- the objectives of the floodplain management plan;
- hazard rating;
- potential for future development to have an adverse impact on flood behaviour at existing developments, particularly the **cumulative effects** of on-going development;
- whether or not adequate evacuation routes are available during floods;
- whether certain activities should be excluded because of additional or special risk to users, eg accommodation for aged people, hospitals and the like; and
- existing planning controls.

Voluntary Purchase

9. In certain high-hazard areas of the floodplain it may be impractical or uneconomic to mitigate flood hazard to existing properties at risk.

10. In such circumstances it may be appropriate to cease occupation of such properties to free residents and potential rescuers from the hazard of future floods. This can be achieved by purchasing properties and removing or demolishing buildings as part of a floodplain management plan. In such circumstances, property should be purchased at an equitable price and only when voluntarily offered. Such areas should ultimately be rezoned to a flood-compatible use, such as recreation or parkland.

STRUCTURAL MEASURES

11. Common structural measures used to mitigate flooding include:

- levees;
- bypass floodways;
- channel improvements;
- dams; and
- detention basins.

Levees

12. Levees are generally the most economically attractive measure to protect existing development in flood-liable areas. The height or crest level of a levee is determined by a variety of factors including the economics of the situation (including the nature of development

requiring protection), physical limitations of the site, and the height to which floods can rise relative to the ground levels in the area (important for safety considerations).

13. A levee may rarely be called upon to achieve its design requirements. If it fails at this time because of poor design, improper construction or lack of maintenance, the money spent on its construction has largely been wasted.

14. Even if design, construction and maintenance have been exemplary, **all levees will ultimately be overtopped** unless designed for the PMF event. Even if designed for PMF events, levees can still fail through lack of maintenance, inadequate construction or unforeseen circumstances. Thus, it is not a question of 'if' the overtopping of a levee will occur, but of 'when' and of the consequences. Hence, the importance of flood emergency plans that address the defence and evacuation of areas protected by levees.

15. In using levees for flood mitigation, some precautions need to be noted:

- The likelihood of catastrophic damage and unacceptable hazard levels when the levee is overtopped. When in April, 1990, rising flood waters breached the emergency sandbag levees at Nyngan, NSW, hazardous conditions rapidly developed within the protected area, lives were at risk (although there were no fatalities) and the resulting damage and disruption cost over $50 million.

- Provision of spillways to enable the controlled overtopping of the levees to avoid uncontrolled high velocity overflows or even breaching when the levee is overtopped.

- Proper maintenance of the levee crest level, grass cover and spillways, and avoiding damage by traffic or animals.

- Flood emergency plans for levee overtopping and evacuation. The need for such plans is particularly important where escape routes can be severed (eg a ring levee) or where the protected area can fill rapidly once overtopping commences (eg Nyngan).

- Analysis of flow conditions which may develop inside the protected area when overtopping occurs and the flood continues to rise. In some situations high-hazard conditions can develop within protected areas, particularly around breaches in the levee, the occurrence and location of which cannot be predicted.

- On-going community education to ensure the population is aware of the risk of overtopping, is informed about flood emergency plans, and does not lapse into the common belief that levees 'provide total protection against all floods'.

- Levees have the potential to increase flood levels elsewhere on the floodplain. This aspect needs to be addressed when formulating any levee proposal.

- Careful consideration needs to be given to draining local runoff water that collects within the protected area. It may be necessary to install pumps and sumps to remove this water during floods. If the pumps fail, 'internal' flooding may occur.

16. Some of these precautions do not all apply when the PMF is adopted as the defined event for levees. In such cases, important factors to consider include proper maintenance of the levee and provision of adequate 'freeboard' against wave action and subsidence.

17. Despite their problems, levees are a common, important and effective management measure for existing flood problems. However, at best they are a partial solution and should be supplemented by comprehensive flood emergency measures.

Bypass Floodways

18. Bypass floodways redirect a portion of the flood waters away from areas at risk, and so reduce flood levels along the channel downstream of the bypass floodway offtake. Bypass floodways are commonly used in conjunction with levees.

19. Opportunities for constructing bypass floodways are limited by the topography of the area, ecological considerations and availability of land. Bypass floodways may exacerbate flood problems along the bypass channel itself and at locations downstream of the bypass channel through facilitating downstream transfer of flood waters. Despite these shortcomings, bypass floodways can provide a useful management option, especially in conjunction with levees.

Channel Improvements

20. The capacity of a river channel to discharge flood water can be increased by widening, deepening or re-aligning the channel, and by clearing the channel banks and bed of obstructions to flow.

21. Such improvements increase not only the velocity of flow and possibly the depth of flow, but also the hazard of the situation. It is essential (duty of care) that signage be erected to warn the public of any untoward hazard associated with 'channel improvements'.

22. In urban areas, particularly where drainage channels have degraded over time, channel improvements can provide the community with other positive benefits, such as enhanced visual aesthetics (by landscaping) and provision of recreation facilities, such as linear parks.

23. Channel improvements are likely to be most effective (including reducing the need for other structural works) along creeks and rivers

with low mainstream channel velocities caused by overgrown beds and banks. Channel improvements are unlikely to have a significant effect in flooding where there are extensive areas of overbank flooding or where flooding effects are dominated by increased tide levels.

24. As a mitigation measure, channel improvements have the potential disadvantages of:

- facilitating transfer of flood waters downstream and accentuating downstream flooding problems;
- the cost of maintenance;
- the destruction of riparian habitat; and
- the visual impact of replacing naturally varying channel sections with a section of more uniform geometry.

Dams

25. Dams, even if full, can significantly reduce downstream flood discharges. As the flood wave passes through a dam, the dam is progressively filled to the point of overflow, and then provides temporary storage above the spillway crest level for flood waters subsequently passing through the dam. The ability of a dam to mitigate floods depends largely on the surface area of the dam at spillway level and its spillway capacity. The larger the surface area and the smaller the spillway capacity, the greater the reduction in downstream discharges. This effect is most beneficial immediately downstream of the dam and the benefits reduce as the flood wave travels downstream.

26. Most dams are ‘multi-purpose’, ie they provide water for irrigation and domestic use, as well as providing flood mitigation potential. Generally, constructing a dam purely for flood control cannot be justified economically. The mitigating effects of even large dams on severe floods is often surprisingly small because:

- the surface area of the dam at spillway level is relatively small and the spillway capacity is large;
- the volume of water in a severe flood may be much greater than the storage capacity of even a large dam; and
- floods may result from rainfall in parts of the catchment that are not commanded by dams. Consequently the benefits of flood mitigation dams are generally limited to mitigating the effects of a flood generated in only one portion of the catchment.

Detention Basins

27. A detention basin is a small dam that provides temporary storage for flood waters. It behaves in the same way as a large dam, but on a

much smaller scale. In urban areas, detention basins are most suitable for small streams which respond quickly to stormwater flooding.

28. Detention basins have a number of inherent disadvantages which should be carefully evaluated. They include:

- a substantial area of land is required to achieve the necessary storage;
- where used for multiple purposes, eg as playing fields as well as for flood mitigation purposes, public safety aspects during flooding need to be addressed;
- long-duration or multi-peak storms (when the basin is partly or completely filled from a previous peak) can increase the risk of overtopping, breaching and resulting downstream hazard; and
- depending on their size, detention basins may provide little attenuation of discharges when overtopping occurs.

29. Consequently, it is important that detention basins are properly designed, constructed and maintained and that their impact on the hazard of a range of flood events be investigated fully.

30. With appropriately designed outlet works, detention basins act as sediment traps thereby improving urban water quality by reducing the concentration of settlable solids. There may, however, be adverse downstream effects associated with this loss of sediment. Such issues also need to be assessed when considering the impacts of detention basins.

DEVELOPMENT AND BUILDING CONTROLS

31. Development and building controls refer to the conditions attached to developing defined flood areas and constructing buildings within these areas. Such controls are aimed at reducing the risk of a building being flooded above floor level and at reducing the resulting damage when above-floor flooding occurs. Typical development and building controls include floodproofing of buildings, minimum floor levels, house raising and freeboard. Careful and creative strategic site planning can reduce hazard and facilitate evacuation when required.

Strategic Site Planning

32. Developers and local agencies are urged to recognise the importance of strategic site planning. Developers are advised to liaise with local agencies and emergency management agencies to determine issues that need to be addressed as part of the strategic site planning process and the type of data and analysis required to satisfactorily address these issues.

33. Important factors that need to be taken into account at the strategic

site planning stage include:

- provision of suitable evacuation routes;
- topography of the site; and
- orientation and type of fences.

34. Providing evacuation routes appropriate to the proposed land use is fundamental to developing defined flood areas. If safe and effective evacuation routes cannot be provided, the proposed land use is inappropriate.

35. Flood hazard may vary significantly across the site because of topography. For example, higher areas further away from the river will be flooded to shallower depths and may experience lesser velocities than lower areas closer to the river. By locating buildings in the higher, more benign areas of the site, their impact on flood behaviour will be reduced, potential flood damage will be lessened and evacuation can be facilitated.

36. Fences are another site element that can significantly obstruct flood flows, increase flood levels and perhaps hamper evacuation. Solid or open mesh fences are the worst offenders, but may be appropriate if they are aligned in the direction of flow. During a flood, open mesh fences tend to clog up with debris and act as solid fences. Fences aligned transverse to the flow may require special treatment. Local agency planners need to address the issue of the type of fences appropriate for the site.

Floodproofing of Buildings

37. Floodproofing refers to the design and construction of buildings with appropriate water-resistant materials such that flood damage to the structure of the building itself (ie structural damage) is minimised when the building is flooded. At best, floodproofing is an adjunct to other management measures.

38. The decision to adopt floodproofing as a formal mitigation measure is best made from within the framework of a floodplain management plan. Whilst floodproofing can minimise structural damage to flood-affected buildings, the occupiers of flood-affected buildings still suffer the social disruption of flooding.

39. To prevent or minimise structural damage from flooding, buildings should be designed to withstand water immersion and debris and flotation forces. Particular methods of construction and certain types of materials are better able to withstand immersion than others. For example, plasterboard and chipboard, materials commonly used respectively for internal wall linings and built-in cupboard fittings, are generally irreparably damaged on immersion—even to a minimal depth—and have to be replaced. In contrast, double brick construction

can withstand immersion and may only need a ‘hose and scrub down’ when the flood subsides.

Minimum Floor Levels

40. The most effective floodproofing measure is to raise habitable floors to some ‘defined floor level’. However, in commercial buildings the choice of floor level is also affected by economics and commercial risk-taking considerations. This can result in a commercial enterprise preferring to build the cost of flood losses into its operating costs in exchange for savings in capital costs associated with not having to raise floors to some higher level.

41. Local agencies have a duty of care in approving such ‘non-conforming’ developments and in deciding on appropriate conditions. They may require the proponent to submit detailed advice of measures proposed to avoid or cater for flood losses.

42. Irrespective of the proponent’s desires, the overriding consideration should be that the proposed development will not adversely affect flood behaviour or increase the risk to life, limb or property, whether public or private. **The proper course is to determine levels of acceptable risk for specific areas of the floodplain and for specific land uses from within the overall framework of the floodplain management plan. Further, decisions for non-conforming developments must not be made on an ad hoc or isolated basis. Rather, such decisions must be taken on the basis of the cumulative development of the floodplain.**

House Raising

43. Home owners generally have very strong sentimental and emotional attachments to their dwellings, which generally represent a large capital investment. Avoiding flood damage by house raising, which in essence is another form of floodproofing, achieves the important objectives of:

- reducing personal loss;
- reducing risk to life and limb;
- reducing costs of servicing isolated people who remain in their homes during floods to protect possessions; and
- reducing stress and post-flood trauma.

44. In general, house raising is a suitable mitigation measure only for low hazard areas of the floodplain. In high hazard areas, structural means of protection are generally required, or voluntary purchase.

45. Not all houses are suitable for raising. Houses of single or double brick construction or slab-on-ground construction are generally either

impossible or too expensive to raise. Houses best suited to raising are timber framed and clad with non-masonry materials.

Freeboard

46. At times, there is confusion about the need for and amount of freeboard to be adopted in setting floor levels, etc. Freeboard incorporates such factors as:

- uncertainties in estimates of flood levels which can arise from a relatively short database of past floods, together with uncertainties and simplifications in the models used to predict flood discharges and flood levels;
- differences in water levels across the floodplain because of 'local factors' not included in hydraulic models;
- cumulative effect of subsequent infill development;
- increases in water level as a result of wave action which can be of two types: wind-induced waves across fetches of open water and waves induced by powerboats and vehicles moving through flooded areas; and
- increases in coastal water levels as a result of the Greenhouse Effect, eg increased storm rain will result in increased downstream flood levels in coastal rivers, with associated increases in storm surge.

47. In addition, freeboard also reduces the likelihood of sewer surcharges into buildings and provides an in-built factor of safety for floods slightly higher than the designated flood event.

FLOOD EMERGENCY MEASURES

48. Flood emergency measures include flood forecasting, flood warning, plans for defending and evacuating an area, for relieving evacuees and for recovering the area once the flood subsides. All these flood response measures are incorporated in the area's local flood plan, which is prepared by the lead Emergency Services agency in consultation with the floodplain management advisory committee. The flood emergency plan is complementary to the floodplain management plan.

49. The importance of flood emergency planning has become apparent in recent years, and was recently confirmed by experiences at Nyngan in New South Wales (1990) and Katherine in the Northern Territory (1998). Unless the PMF is adopted as the defined flood event, all structural and planning measures will ultimately be overwhelmed at some time by a larger flood. Developing and implementing effective flood emergency plans is the only means of reducing the damage and hazard associated with residual risk.

50. Preparedness measures, such as flood warning and evacuation, can be of substantial benefit in their own right. Flood warning and evacuation plans are an effective way to reduce the intangible as well as the tangible costs of flooding. Such plans may be the only economically justified management measure in situations where a relatively small number of people are subjected to an unacceptable degree of flood risk.

FLOOD AWARENESS

51. Not only do effective flood emergency plans need to be developed, but the affected community must be made aware—and remain aware—of their role in the overall floodplain management strategy for their area, including defending their town and evacuating themselves (and possibly personal possessions). Sustaining an appropriate level of flood awareness is not easy. It involves a continuous effort by local councils in conjunction with State and Territory Emergency Services. The cost of such efforts can be regarded as the maintenance cost of a flood emergency plan.

52. Irrespective of the available warning time, there is generally widespread variation in flood awareness from community to community and from household to household. This was demonstrated by surveys done of people's responses to the August 1986 floods of the Georges River, New South Wales:

- There was almost no effective warning time for these floods. Nevertheless, two person-hours of effort by a household with a high degree of flood awareness reduced damages by an amount that was some $3,000–$4,000 greater than that achieved by a household with a low degree of flood awareness.

- Flood-affected residents in the New South Wales town of Forbes typically evacuate all their goods and possessions with little fuss or bother, even down to removing internal doors. These residents have ample warning time (two to three days) and are flooded regularly (three times in 1990). Hence, they are very flood aware.

53. The principal factor determining the degree of flood awareness in a community is usually the frequency of moderate to large floods in the recent history of the area. The more recent and frequent the flooding, the greater the awareness.

54. One difficulty with flood emergency planning is maintaining an adequate level of flood awareness during the extended periods when moderate to severe flooding does not occur, particularly in the face of population turnover. A continuing awareness program must be put in place to inform new residents, maintain the level of awareness of old residents and to cater to changing circumstances of flood behaviour,

new developments, etc. An effective awareness program requires an on-going commitment by the local agency.

ANNEX C

FLOODPLAIN MANAGEMENT STUDY

1. A floodplain management study aims to identify all relevant issues, quantify them and weigh them appropriately into an overall plan by which the community as a whole is better off. Risk management planning plays a key role in this process. Like any social planning process, undertaking a floodplain management study and formulating an appropriate plan involves discussion and trade-off with various groups of stakeholders within the community.

PRIOR DECISIONS AND SUPPORTING STUDIES

2. By the time a floodplain management study commences, a number of important decisions and actions in the floodplain management process should already have been made:

   - appointment of a floodplain management advisory committee; and
   - commencement of a number of supporting studies, namely the flood study (described in Annex A), socio-economic studies, environmental studies and land use studies.

3. Socio-economic and environmental studies are important elements of a floodplain management study. These studies provide essential background information for assessing the impact and effectiveness of potential management measures.

Socio-Economic Studies

4. Floods and management measures to reduce flood risk can impose a variety of socio-economic costs on flood-affected communities. For example, the current flooding situation on any given populated floodplain has associated tangible, intangible and social costs. The cost of management measures needs to be weighed against the benefits of a reduction in flood risk and flood damage, it being noted that management measures may have quite high associated economic and social costs in themselves. To objectively compare issues and management measures, it is necessary to gather a variety of socio-economic data. Accordingly, flood damage assessment and social impact studies may be required.

5. The social impact of floods on the community, ie the community's vulnerability to flooding, needs to be assessed. For example, is flooding a regular occurrence and is the community flood aware?; or is a flood likely to have a highly disruptive effect on the community?

6. Floodplain management advisory committees should be aware of the need for socio-economic data and instigate appropriate studies as early as is practical.

Environmental Studies

7. Structural floodplain management measures, such as levees, detention basins and stream clearing, may have significant impacts on the floodplain environment. Environmental impact studies may be required.

8. Quite apart from potential adverse environmental impacts, under the provisions of various State and Territory environmental policies, local agencies and state agencies are required to consider enhancement of the river and floodplain environment. Thus, flora, fauna and habitat surveys may be required in their own right, together with studies that place the existing river and floodplain environment into the wider context of the 'total catchment' (in terms of relative importance, potential for enhancement, etc).

9. Again, floodplain management advisory committees should be aware of the need for the above types of environmental information and instigate appropriate studies as early as is practical.

Land Use Studies

10. In addition to socio-economic and environmental studies, a variety of land use studies also needs to be undertaken. These studies should encompass existing land use, likely future land use, location of existing urban infrastructure services, any excess capacity therein, etc. (Excess capacity in the water and sewer mains serving a flood-prone area may well justify the cost of additional management measures, this cost possibly being offset by savings in not having to provide additional infrastructure elsewhere.)

11. An important aspect of these studies is the desired or likely mix of future land use. It is only by effectively managing future land use that the rate of growth in flood damage can be reduced.

12. Land use studies must also address the community's aspirations for the use of flood-prone land. Local aspirations may be affected by State and regional land use policies, including integrated catchment management policies. It is important that floodplain management advisory committees are aware of and take into account broader land use policies. Again, any supporting local land use studies need to be commenced as early as practicable.

DEFINED FLOOD EVENTS

13. An important aspect of the floodplain management study is selection, by the floodplain management advisory committee, of defined flood events (DFEs) to be used for management purposes in the floodplain management plan. Before selecting DFEs, it is necessary to investigate the potential behaviour, hazard and damage of a range of flood events up to and including the PMF.

14. Selecting a DFE is not easy: selecting too mild a flood event will intensify the frequency and adverse consequences of larger flood events; selecting too severe an event will maximise the cost of management and mitigation measures.

15. A further complication is that, in general, different flood events will be appropriate to different management objectives, eg the DFE used for setting residential floor levels may not be appropriate for determining the location and floor levels of key infrastructure facilities, such as hospitals, telephone exchanges, police stations, etc.

16. It must be remembered that DFEs do not represent the maximum flood level or the maximum extent of flood-prone land. By definition, flood-prone land is all land flooded by the PMF event. DFEs generally define areas of land (defined flood areas) to which development and building controls and conditions apply.

RISK MANAGEMENT

17. Risk management provides an objective means of selecting DFEs. By considering the likelihood of occurrence of a range of flood events and their associated hazards, ie risks to life and limb and damage, together with the cost and benefits of various management options, it is possible to weigh the risks and costs of floods of various sizes against the benefits (ie reduction in risk) of various management measures. The risk management process is described in some detail in Annex E.

HYDRAULIC AND HAZARD CATEGORIES

18. An important aspect of the floodplain management study is identifying defined floodway and flood fringe areas of the floodplain and areas of low and high hazard. Identifying these areas is essential for responsible land use planning across the floodplain.

19. A flood study provides much of the information needed to define the hydraulic and hazard categories of flood-prone land, such as:

- factors that influence the extent of the defined floodway and defined flood fringe areas (see Annex E); and
- a variety of factors which affect flood hazard, eg depth, velocity and rate of rise of flood waters (see Annex E).

20. Future developments can influence hydraulic and hazard ratings and need to be appropriately considered on a cumulative impact basis when defining hydraulic and hazard categories.

FLOODPLAIN MANAGEMENT PLAN

21. Having assembled all the necessary information, it is then a matter of distilling a coherent and integrated floodplain management plan that provides equitable and efficient measures to effectively manage the

existing, future and residual flood risk and flood hazard problems.

22. This is not an easy process. Management measures have both advantages and disadvantages: whilst a proposed control, eg a levee, may alleviate flood damage, it may be detrimental to the environment in a general sense (eg loss of habitat, visual intrusion), and in a particular sense (eg it may adversely affect flood levels elsewhere). Annex D describes various elements of a floodplain management plan in some detail.

23. The floodplain management advisory committee oversees development and implementation of the floodplain management plan (see Annex D).

LOCAL FLOODPLAIN MANAGEMENT POLICY

24. Another key outcome from a floodplain management study is formulation, by the floodplain management advisory committee, of a local floodplain management policy. This policy should succinctly present the local agency's considered view on using and developing flood-prone land.

PUBLIC CONSULTATION

25. The public has an important role to play in better floodplain management, and especially in managing flood emergencies. To effectively meet their obligations, there is a real need for members of the public to be informed of flood risk, hazard and behaviour in their communities and of what actions they should take when a flood threat arises.

26. Public consultation during the course of a floodplain management study facilitates information flow to and from the floodplain management advisory committee concerning flooding matters of relevance to the community, and of the advantages and disadvantages of potential management measures. A series of public meetings over the course of the study allows the committee to inform the public of the progress of the study and to seek public opinion on specific issues.

27. Floodplain management advisory committees need to be aware of the importance of public consultation and facilitate this process during the course of the floodplain management study.

ANNEX D

FLOODPLAIN MANAGEMENT PLAN

1. A floodplain management plan forms the heart of effective floodplain management. It is based on a comprehensive and detailed evaluation of all factors that affect and are affected by use of flood-prone land; it represents the considered opinion of the local community, the local agency and State agencies on how best to manage flood-prone land; and it provides a long-term path for future development of the community.

2. This Annex describes various elements of a floodplain management plan and describes a procedure to help weigh up options with conflicting consequences. It is not possible to provide specific guidelines for formulating a floodplain management plan because of the wide variety of issues to be canvassed and their changing significance from community to community. However, general elements of a plan can be identified and discussed.

DEFINITION OF ISSUES

3. It is imperative, at the outset, to identify and define the objectives and issues of a floodplain management plan. Failure to do so will lead to confusion and wasted effort. These issues can be of a social, economic, ecological and community nature, quite apart from flooding considerations.

4. The floodplain management advisory committee, in consultation with State agencies, expert advisers and the local community, is responsible for defining appropriate objectives and identifying significant issues associated with using flood-prone land.

POTENTIAL MANAGEMENT MEASURES

5. Floodplain management measures are detailed in Annex B. Key issues concerning various management measures are noted here.

Land Use Planning Controls

6. Land use controls, to ensure land use on flood-prone land is compatible with flood risk, are essential if the rate of growth in future flood damage is to be reduced.

7. Once flood-related planning measures have been finalised, it is important to formalise flood-related zonings and to incorporate the measures into statutory planning instruments.

8. It is also important to ensure zonings are defined so requirements based on the effects of cumulative impact can be adequately applied to individual proposals that may, in isolation, have minimal impact.

Structural Works

9. The feasibility, effectiveness and economics of various structural means of control need to be considered. Structural measures modify flood behaviour. Whilst they might reduce flood discharges and levels in the area of interest, such works may increase flood discharges and levels elsewhere. The hydrologic and hydraulic models developed in the flood study will need to be used to assess the impact of structural works on flood behaviour.

10. The various State water resources agencies can provide guidance and advice on technical aspects of structural works. Structural works have associated environmental, economic and social costs, which need to be evaluated. The floodplain management advisory committee may need to consider engaging specialist consultants to undertake these studies.

11. When contemplating and evaluating structural works, local agencies should be aware of the possible environmental benefits of such works, eg detention basins can also serve to improve water quality, river improvements can incorporate wetlands.

Development and Building Controls

12. Development and building controls are essential to limit resultant damage to flood-prone buildings.

Flood Emergency Planning

13. A flood emergency plan to address residual flood risk is essential. Such a plan is complementary to the broader floodplain management plan.

14. Local agencies have access to many of the resources needed for flood emergency planning and response (eg manpower, plant and machinery, buildings, etc.). It is essential to establish a cohesive working relationship between local agencies and emergency service agencies to fully utilise available resources.

15. Flood emergency plans are aimed at modifying the community's response to the onset and aftermath of a flood. No matter how accurate and timely a flood warning, and no matter how well thought out the emergency plan, **much effort will be wasted unless the community responds effectively**. Thus, there is a real need to make the community fully aware of its responsibilities in the onset and aftermath of a flood, and moreover, to maintain this awareness by a program of regular re-education of people living in flood-prone areas.

ASSESSMENT OF OPTIONS

16. Formulating a floodplain management plan involves considering

various options concerning land use and the mitigation of flooding, flood risk and flood hazard, together with an assessment of the social, economic and environmental consequences of proposed land uses and mitigation measures.

17. The risk management approach can help select defined flood events and measures to address existing, future and residual risks. However, these measures will generally have different economic, social and environmental impacts.

18. Formulation of a floodplain management plan is an exercise in decision-making aimed at achieving multiple and often conflicting objectives. The assessment process can be quite difficult because of the different nature of the underlying issues. For example, one development plan may be preferable from the community's point of view, but at an increased risk of flooding—an alternative plan may be environmentally preferable, have a lesser risk of flooding, but may be less desirable from the community viewpoint. How can these two plans be compared?

18. The easiest way is to use a matrix method of comparison. In this system, a matrix is prepared in which columns consist of various management options and rows consist of various floodplain management objectives and issues.

Matrix Method

20. It is necessary to assess how well the management options meet the objectives and issues and enter this information into the matrix. Where possible, the advantages and disadvantages of each option should be quantified. This can be done relatively easily in terms of the costs of flood mitigation measures and the associated reduction in flood damage. In other areas, such as the environment, community desires, etc., it is difficult to make a quantitative estimate. In these cases, a qualitative estimate of the advantages and disadvantages of the option needs to be made and entered into the matrix, eg ranking outcomes on an ordinal scale of (say) one (best) to five (worst).

21. Once the matrix has been prepared, it provides a framework for comparing the options on an issue-by-issue basis. The best option for each issue can then be determined; issues still in doubt can be identified and further investigated. This process facilitates comparison of options, both individually and collectively, leading to a balanced decision regarding the 'best' option(s).

ADOPTED PLANS

22. A floodplain management plan is never truly finished. Social and economic circumstances change; flooding behaviour may be

substantially altered by future developments or measures adopted in other areas of the catchment. A floodplain management plan represents the best appraisal of existing and likely future circumstances at the time the plan is adopted. For this reason, we do not speak of 'final' floodplain management plans, but of 'adopted' floodplain management plans, ie plans that have been adopted for the immediate future. Plans should be reviewed regularly (say every five to 10 years) to ensure their provisions remain current and appropriate.

SPECIFIC ISSUES OF CONCERN

23. Preparation of floodplain management plans in the States and Territories of Australia over the last five to 10 years has identified a number of specific issues of concern. **These issues are described below and should they arise in a particular flooding situation, need to be treated with diligence because of their potential significance.**

Future Planning Considerations

24. Preparing a floodplain management plan involves a realistic appraisal of desired and realisable future land uses. If future land use is not considered and appropriately incorporated in the plan, the benefits of measures implemented today may be overrun by the impacts of future development. To encompass the possibility of large-scale land use change and urban redevelopment, the planning horizon should be 20 to 30 years.

25. To this end, future land use planning provisions of a floodplain management plan need to be well researched, well publicised and based on community consultation.

Cumulative Impacts

26. A common problem on many floodplains across the nation is the cumulative impact of development. As developments are built, each may have an individually small effect on flood behaviour. However, the cumulative effect on flood behaviour of all these developments can be significant. Common examples of cumulative adverse effects are:

- progressive blocking of floodways and flow paths by individual developments;
- filling of inappropriate floodplain areas on an ad hoc basis; and
- increase, over time, in the at-risk population living and working in the more hazardous areas of the floodplain.

27. Whilst it is true that each development by itself may not lead to a significant increase in flood levels or flood hazard, the increase occasioned by the cumulative effect is often unacceptable.

28. This is one of the principal reasons this plan requires a ‘total catchment approach’—cumulative effects need to be evaluated before they occur. This involves:

- identifying the location and encroachment of ‘allowed’ development;
- undertaking hydraulic and hazard studies to assess the impact of cumulative development in these areas; and
- formulating planning, building and development controls to ensure future developments conform to the adopted plan.

29. ‘Conforming’ developments may proceed; ‘non-conforming’ developments should not be allowed unless compensating measures are fully investigated and implemented.

Infrastructure Protection

30. Careful consideration needs to be given to protecting essential infrastructure services, such as water supply, sewerage, telephone and electric power during the onset of a flood. The ready restoration of these services after the flood will facilitate clean-up and recovery, thereby minimising social disruption to the community.

31. Protection activities that could be considered include building temporary bunds around sewage treatment plants, water treatment plants and electricity sub-stations. Alternatively, design and fabrication to allow electric motors to be uncoupled and removed from pumps in flood-liable sections of the sewerage and water supply systems will facilitate reactivation of these systems after the flood.

32. Needless to say, if new or upgraded infrastructure facilities are proposed, all endeavours should be made to locate them in flood-free areas, render them flood proof, or ensure services can be easily restored after a flood.

Larger Floods

33. It is essential that all floodplain management plans consider the implications of the full range of flood sizes—up to and including the PMF event—on flood risk and the management process in general. Management measures that may be appropriate for the defined flood event may be inadequate for larger floods.

34. The choice of DFEs is often a difficult compromise between increasing marginal costs of structural measures and decreasing marginal benefits. Whilst it is desirable to adopt the highest level of protection, this is not always economically possible.

35. Unthinking acceptance of the limited level of protection provided by structural measures, must give way to the need for flood emergency plans to mitigate the hazard associated with larger flood events.

36. The definition of the floodplain and flood-prone land should always be based on the PMF event and not on the more limited area inundated by defined flood events. In this way, the community will be aware of the possible extent of flooding and of their own need for appropriate action in the case of extreme events.

Levees

37. Levees are a tried and true flood protection measure—as long as they are not overtopped in an uncontrolled fashion and do not fail. It is essential to assess the consequences of levee overtopping in some detail, and to put appropriate emergency plans in place.

Islands

38. Formation of islands on the floodplain during a flood is always potentially hazardous and is generally **to be avoided**. People trapped on islands may be 'safe' during small floods, but at high risk in extreme floods. Development of land that becomes isolated prior to inundation increases the load on State/Territory Emergency Services during flood events. Furthermore, rescuing people from islands may place rescuers at undue risk.

Detention Basins

39. Detention basins are being increasingly used to control the peak discharge from newly-urbanised areas. Some basins are becoming quite large; in fact, they are more properly regarded as small dams and should be designed as such.

40. The potential hazard to downstream areas associated with overtopping and breaching of detention basin embankments ('dambreak') needs to be carefully addressed when designing these basins.

41. Special care needs to be taken when a system of basins is built on the tributaries of urban catchment. The likelihood and consequences of a 'cascade' failure of these basins needs to be assessed, ie the flood wave associated with the failure of an upper basin causing downstream basins to fail, so magnifying the resulting dambreak flood.

ANNEX E

FLOOD HAZARD

1. Flood hazard, or threat to life and limb and damage caused by a flood, varies both in time and place across the floodplain. Flood waters flow swift and deep at some locations; in other places, they are shallow and slow-moving. The variation of hazard and flood behaviour across the floodplain need to be understood by flood-prone landholders, floodplain managers and flood emergency managers.

2. This Annex describes how the floodplain should be divided first, into 'defined floodway' and 'defined flood fringe' areas that reflect flooding behaviour, and the likely impact of future developments on this behaviour, and second, into areas reflecting the degree of hazard.

FACTORS AFFECTING FLOOD HAZARD

3. A variety of factors affect the hazard and disruption caused by a flood event. These factors can be grouped into the four broad categories of flood behaviour, topography, population at risk and emergency management.. Table E:1 identifies various factors in these categories.

Table E:1—Major factors affecting flood hazard

Flood Behaviour	Topography	Population at Risk	Emergency Management
Severity	Evacuation routes	Number of people	Flood forecasting
Depth	Islands	Number of developments	Flood warning
Velocity		Type of land use	Flood response plans
Rate of rise		Flood awareness	Evacuation plans
Duration			Recovery plans

Severity of Flood

4. The severity or size of a flood is generally the principal determinant of hazard. Not only does it affect aspects of flooding behaviour that individually influence hazard, eg depths, velocities, rates of rise, it also determines the number of people at risk. It is impossible to predict in advance when flooding will occur or the size of the flood. Further, there is no guarantee that, if a severe flood has occurred recently, another flood, perhaps larger, will not occur in the near future.

Depth and Velocity of Flood Waters

5. The threat to life and limb and gross structural damage (ie houses being washed away) caused by floods depend largely on the velocity of flow and depth of flood waters. These in turn are dependent on the size of the flood and the hydraulic characteristics of the river and its floodplain. Issues to consider include the following:

   - Wading by able-bodied adults becomes difficult and dangerous when the depth of still water exceeds 1.2 metres, when the velocity of shallow water exceeds 0.8 metres per second, and for various combinations of depth and velocity between these limits.

   - In assessing the safety of wading, a number of factors other than depth and velocity need to be taken into account—is the ground surface even or are depressions, potholes, fences or major stormwater drains present, etc?

   - Small, light, low motor vehicles crossing rapidly-flowing causeways can become unstable when water depths exceed 0.3 metres. Evacuation by larger, higher sedans is generally only possible and safe when water depths are less than 0.4 metres.

   - As the depth of flood water increases, caravans and buildings of light construction will begin to float. In these circumstances the buildings can be severely damaged when they settle unevenly in receding flood waters. If the flood velocity is significant, buildings can be totally destroyed and cars and caravans can be swept away. In certain areas, the build up of debris and the impact of floating logs can cause significant structural damage to buildings and bridges.

   - At velocities in excess of two metres per second the stability of foundations and poles can be affected by scour. Grass and earth surfaces begin to erode, scour holes can develop.

   - At depths in excess of two metres, light-framed buildings can sustain damage from water pressure, flotation and debris impact, even at low velocities.

   - An important factor that tends to increase the depth of flooding, and hence the overall degree of flood damage, is the presence of obstructions to movement of flood waters. Such obstructions include buildings, embankments and bridges, areas built up by land-fill, and the blocking effect of trees, shrubs, fences and debris. The increase in flood levels depends on the velocity of the flood waters and the degree to which they are obstructed.

Rate of Rise of Flood Waters

6. The rate of rise of flood waters also affects the degree of hazard caused by a flood. Situations in which flood waters rise rapidly are

potentially far more dangerous than situations in which flood levels increase slowly. Typically, the rate of rise of flood waters is more rapid in small, steep catchments than in their larger, flatter counterparts.

7. Extremely high rates of rise of flood waters have been recorded in Australia, eg during the 1894 floods in the Kimberley District of Western Australia, the Lennard River rose at a rate of 0.9 metres per hour for 20 hours, the Fortescue River rose a reported 9 metres in 30 minutes and the Fitzroy River rose 18 metres in a 'few hours' (Commonwealth Bureau of Meteorology 1929).

Duration of Flooding

8. The duration of flooding or length of time a community, town or single dwelling (eg farm house) is cut off by flood waters can have a significant impact on the costs and disruption associated with flooding. Extended periods of isolation in stressful situations can exacerbate post-event anxiety and trauma-related disorders; shortages of water and food may occur thereby placing high demands on limited emergency services; medical emergencies may occur with treatment delayed or at worst prevented.

9. The duration of flooding generally correlates with the rate of rise of flood water, typically being longer for slow rates of rise (larger, flatter catchments) and shorter for rapid rates of rise (smaller, steeper catchments).

Evacuation Problems

10. The levels of damage and disruption caused by a flood are also influenced by the difficulty of evacuating flood-affected people and property. Evacuation, may be difficult because of:

- the number of people needing help;
- the depth and velocity of flood waters;
- wading problems (exacerbated by uneven ground, fences, debris, localised high velocities, etc);
- the distance to flood-free ground;
- the loss of trafficability on evacuation routes because of rising flood waters;
- bottlenecks on evacuation routes, ie roads cannot cope with the increased volume of traffic, the large number of people and great volume of goods to be moved;
- inability of those in need to contact emergency services; and
- a shortage of resources (eg boats, heavy trucks, helicopters, etc).

Effective Flood Access

11. The availability of effective access routes from flood-prone areas and developments can directly influence the resulting hazard when a flood occurs.

12. 'Effective access' means a high-level exit route that remains trafficable for sufficient time to evacuate the population at risk, ie evacuation can be undertaken solely by motor vehicle.

13. In a number of urban development situations, access to flood-prone residents can be lost relatively early in the flood episode:

    - Where evacuation routes lead downhill onto and across the floodplain access to the evacuation route and trafficability can be lost because of rising flood waters.

    - Where cul de sac developments, built on rising land, have only downhill access vehicular access is likely to be lost early. It may be possible to evacuate residents by walking to high land behind the development, but motor vehicles and possessions which could have been transported by those vehicles will have to be abandoned.

    - It is becoming increasingly common to use roadways as overland flow paths to cater for severe stormwater flooding episodes. If these roadways also act as 'preferred' flow paths for mainstream flooding, their trafficability will be reduced early.

14. Thus, there is considerable benefit to be gained from taking possible evacuation needs into account in designing regional and local road networks for flood-prone areas.

15. Access is generally divided into two categories: pedestrian and vehicular. Providing road access that is trafficable in all weathers will obviously help reduce the flood hazard and enhance the effectiveness of emergency services, etc. Pedestrian access is far less effective due to problems with moving the aged, children and the disabled.

16. It is essential that the suitability of access routes be investigated for a range of flood events. Arrangements and evacuation routes which may be suitable for flood events up to the DFE may become unsafe or inoperable for more severe floods. In potentially hazardous situations, provision should at least be made for pedestrian access routes in extreme flood events. Without such access, the risk to life and limb of the entrapped and their rescuers may be unacceptable.

17. A potentially hazardous situation develops when rising flood waters isolate an area of land, leaving it as an island in a sea of flood water. The degree of hazard depends on the depth, velocity and rate of rise of flood waters between the island and possible places of refuge. Vehicle access may rapidly be cut. Rescue by boat, helicopter or large vehicle

may be necessary, so putting rescuer's lives at risk. Whilst such a situation may not develop for 'normal' floods, a check should be made to see whether or not rare flood events cause islands to develop, or even worse, to subsequently be submerged.

Population at Risk

18. The degree of hazard and social disruption obviously varies with the size of the population at risk. The larger the population at risk, the greater the flood damage and the greater the number of people who need to be evacuated.

Land Use

19. The type of land use also influences hazard. There are considerably greater difficulties in evacuating a hospital or an old people's home than an industrial area. Conversely, flooding in industrial areas may result in toxic industrial products escaping.

Flood Awareness

20. 'Flood awareness' refers to the ability of the population at risk to know what to do and how to do it effectively in the onset of a flood. A flood aware population is effective in evacuating itself and its possessions, thereby reducing hazard.

21. Flood awareness is largely related to past experience with flooding. Flood awareness greatly influences the time taken by flood-affected people to respond in an effective fashion to flood warnings.

22. In communities with a high degree of flood awareness, the response to flood warnings is prompt, efficient and effective. The community as a whole knows what to do on receipt of a flood warning; people as individuals know how to respond; residents and property owners have developed personal evacuation plans and can implement them effectively on receipt of a flood warning.

23. Promotion of flood awareness by public education campaigns is an essential component of flood emergency planning.

Warning Time

24. Flood hazard can be reduced by evacuation if adequate time is available. However, even if people and possessions are fully evacuated, a flood will still cause significant damage to buildings and infrastructure and still wreak substantial community disruption.

25. **Available warning time** is determined largely by catchment characteristics. The larger the catchment and the slower the rate of rise of flood waters, the longer the available warning time. In small steep catchments, there is often no available warning time, as the catchments respond too quickly.

26. In large catchments, flood warnings can be based on rates of rise and peak water levels at upstream gauges. In smaller, more responsive catchments, flood warnings need to be based on rainfall measurements. These days, automatic monitoring equipment is available to measure water levels and rainfalls.

27. In the smallest catchments, warnings need to be made on predictions of likely rainfall made before the rainfall occurs. Radar can detect the location and extent of heavy rainfall cells and provide the basis for short-term forecasts of rainfall in combination with meteorological forecasting models. Radar suitable for this task have been installed at various locations around Australia, although additional infrastructure including ground-based observations and processing systems are also needed.

28. **Effective warning time**, or actual time available for people to evacuate themselves and their possessions, is always less than the available warning time because of the time needed, firstly, to alert people to the imminence of flooding (by radio, loud-hailer, television, word of mouth), and secondly, to have them commence effective evacuation procedures.

DEGREE OF HAZARD

29. The degree of hazard varies across the floodplain in response to the above factors. As part of the floodplain management process, it is necessary to determine hazard. This is of considerable significance to the appropriateness or otherwise of various land uses.

30. This document recognises four degrees of hazard: low, medium, high and extreme.

- **In low-hazard areas** of the floodplain, there are no significant evacuation problems. If necessary, children and elderly people could wade to safety with little difficulty; maximum flood depths and velocities along evacuation routes are low; and evacuation distances are short. Evacuation is possible by a sedan-type motor vehicle, even a small vehicle. There is ample time for flood forecasting, flood warning and evacuation; and evacuation routes remain trafficable for at least twice as long as the time needed for evacuation.

- **In medium-hazard areas**, fit adults can wade to safety, but children and the elderly may have difficulty; evacuation routes are longer; and maximum flood depths and velocities are greater. Evacuation by sedan-type vehicles is possible in the early stages of flooding, after which 4WD vehicles or trucks are required. Evacuation routes remain trafficable for at least one and one-half times as long as the necessary evacuation time.

- **In high-hazard areas**, fit adults have difficulty wading to safety; wading evacuation routes are longer again; and maximum flood depths and velocities are greater (up to 1.0 metre and 1.5 metres per second respectively). Motor vehicle evacuation is possible only by 4WD vehicles or trucks and only in the early stages of flooding. Boats or helicopters may be required. Evacuation routes remain trafficable only up to the minimum evacuation time.

- **In extreme-hazard areas**, boats or helicopters are required for evacuation; wading is not an option because of the rate of rise and depth and velocity of flood waters. Maximum flood depths and velocities are over 1.0 metre and over 1.5 metres per second respectively.

ESTIMATION OF HAZARD

31. An appropriate flood hazard estimation procedure needs to involve assessment of all components of flood hazard shown in Figure E:1. Stability is a key component of this procedure.

32. The two principal factors that affect the stability of pedestrians wading through flood waters and motor vehicles traversing flooded roads are the depth and velocity of the flood waters. Pedestrians can be swept away by loss of friction (grip) between their shoes and the roadway (sliding), and being overtopped by flowing water (toppling).

33. Motor vehicles lose stability through loss of friction between their tyres and the roadway, leading to the vehicle being swept downstream.

34. There is a broad range of stability estimation procedures available. These are, however, inconsistent and inadequate in covering the depths and velocities likely to be encountered, and the data used may be significantly outdated (Walsh et al 1998). For this reason, no relationships between depth and velocity are recommended in this document. A comprehensive testing program of people, vehicles and structures is needed before definitive design guidelines can be presented.

35. It should be noted that any study on the impacts of flood hazard on people needs to consider not only the physical issues of flooding but also the psychological effects on people faced by floods.

Hazard Graphs

36. Emergency services agencies are responsible for undertaking hazard analyses as part of preparing a flood emergency plan. This can be a lengthy process as it requires detailed results from a flood study and an assessment of all factors affecting hazard, such as flood behaviour, flood awareness, possible evacuation problems.

Figure E:1—Estimation of Hazard along Evacuation Routes

HAZARD MAPS

37. Hazard maps of the floodplain are generally useful to local agencies and State/Territory Emergency Services. In preparing such maps, it is important to define hazard zones in ‘broad brush’ terms and to ‘smooth out’ any excessively detailed variation of hazard.

GLOSSARY

annual exceedance probability (AEP)

The likelihood of occurrence of a flood of a given size or larger in any one year; usually expressed as a percentage. For example, if a peak flood discharge of 500 m^3/s has an AEP of 5 per cent, it means that there is a 5 per cent risk (ie a probability of 0.05 or a likelihood of one in 20) of a peak flood discharge of 500 m^3/s or larger occurring in any one year (see also probability, likelihood of occurrence, average recurrence interval, flood risk).

annual flood risk (AFR)

Another way of specifying the likelihood of flooding, eg the 1 per cent AEP flood has a probability of 0.01 of occurring in any year; the risk of this flood occurring in any one year (annual flood risk) is 1 in 100 or 1/100.

average annual consequences

The average consequence associated with a series of annual events, each with its own probability of occurrence and consequence (see average annual damage).

average annual damage (AAD)

The average cost of flood damage per year to a nominated development situation caused by flooding over a long period of time. In many years there may be no damage, in some years there will be minor damage (caused by small, relatively frequent flood events) and in a few years there will be major damage (caused by large, rare flood events). If the damage associated with various annual events is plotted against their probability of occurrence, the average annual damage is equal to the area under the consequence/probability curve. Average annual damage provides a basis for comparing the economic effectiveness of different management measures, ie their ability to reduce the AAD (see average annual consequence).

average recurrence interval (ARI)

A statistical estimate of the average period in years between the occurrence of a flood of a given size or larger, eg floods with a discharge as big as or larger than the 100-year ARI flood event will occur on average once every 100 years. ARI is equal to the reciprocal of annual flood risk, eg an AFR of 1/100 has an ARI of 100 years. Note that the ARI of a flood event

	gives no indication of when a flood of that size will next occur.
chance	The likelihood of something happening that will have beneficial consequences, eg the chance of a win in a lottery (see risk). Chance is often thought of as the ‘upside of a gamble’.
consequence	The outcome of an event or situation, expressed qualitatively or quantitatively. Consequences can be adverse, eg death or injury to people, damage to property and disruption of the community, or beneficial.
dambreak flooding	Flooding caused by the breaching of a dam embankment. Note that dambreak flooding may inundate areas outside the floodplains defined in this manual.
defined flood area	That area of the floodplain covered by flood waters during the defined flood event.
defined flood events (DFEs)	Flood events selected for managing flood hazard, as determined in floodplain management studies and incorporated in floodplain management plans. Selection of DFEs should be based on an understanding of flood behaviour and the associated risk and consequences of flooding. It should also take into account the social, economic and environmental consequences associated with floods of different severities. Different DFEs may be appropriate for structural measures (eg levees), different categories of land use and for emergency services planning. The concept of a range of DFEs supersedes sole focus on the 100-year flood event (the 1/100 flood), as in earlier practice. DFEs do not define the extent of flood-prone land, which is defined by the Probable Maximum Flood (PMF).
defined flood fringe	The remaining area of land inundated by the defined flood event after defined floodway areas have been defined (see defined floodway).
defined flood level	The flood level associated with a defined flood event.
defined floodway	Those areas of the floodplain where significant discharge or storage of water occurs during a defined flood event. Floodways are areas which, if filled or even partially blocked, would cause a

	significant redistribution of flood flow, or significant increase in flood levels. Floodways are often aligned with naturally defined channels and are often, but not necessarily, areas of deeper flow or areas where higher velocities occur, and also include areas where major storage of flood waters occurs. Each defined flood event has a 'defined floodway' and the extent and behaviour of floodways may change with flood severity. Areas that are benign for small floods may cater for much greater and more hazardous flows during larger floods (see defined flood fringe).
denial syndrome	The denial of flood risk, the belief that 'it can't happen to me'.
detention basin	A generally small self-draining storage constructed on a creek or drain that mitigates downstream flood discharges and flood levels by providing temporary storage to flood waters.
discharge	The rate of flow of water, as measured in terms of volume per unit time, eg cubic metres per second (m^3/s).
effective warning time	The time available for evacuating people and their possessions before the onset of flooding, ie the time available for people to evacuate themselves and their possessions or to take other flood counter-measures. The effective warning time available to a flood-prone community is equal to the time between the delivery of an official warning to prepare for imminent flooding and the loss of evacuation routes due to flooding. Improved flood forecasting systems and warning delivery systems increase the available warning time.
exceedance probability	A quantitative measure of the likelihood of occurrence of an event of a nominated or greater size, eg the exceedance probability of throwing a number equal to 4 or greater on the roll of a die is 3 in 6, or 0.5, or 50 per cent (see probability).
flash flooding	Sudden and unexpected flooding caused by local heavy rainfall or rainfall in another area. Often defined as flooding which occurs within six hours of the rain which causes flooding.

flood	Relatively high water levels caused by excessive rainfall, storm surge, dambreak or a tsunami that overtop the natural or artificial banks of a stream, creek, river, estuary, lake or dam.
flood awareness	The ability of flood-affected landholders to defend themselves, their property and their community from flood threats and to effectively evacuate themselves and their possessions when necessary, ie an appreciation of the likely effects of flooding and a knowledge of the relevant flood warning, response and evacuation procedures. In communities with a high degree of flood awareness, response to flood warnings is more likely to be prompt and effective. In communities with a low degree of flood awareness, flood warnings are liable to be ignored or misunderstood, and residents are often confused about what they should do, when to evacuate, what to take with them and where it should be taken.
flood awareness sub-plan	A component of a flood emergency plan. An agreed set of roles, responsibilities, functions and actions to develop and sustain flood awareness in flood-prone communities.
flood damage	The tangible and intangible costs of flooding. Tangible costs are quantified in monetary terms, eg damage to goods and possessions, loss of income or services in the flood aftermath, etc. Intangible damages are difficult to quantify in monetary terms and include increased levels of physical, emotional and psychological health problems suffered by flood-affected people and attributed to a flooding episode.
flood emergency	A condition or situation caused by flooding that requires urgent action or assistance.
flood emergency plan	An agreed set of roles, responsibilities, functions, actions and management arrangements to minimise hazard and protect property and infrastructure from flood events of all sizes. It involves arrangements to prepare for future floods and to respond to and recover from actual flood events. A local flood emergency plan forms an essential component of a floodplain management plan (see flood warning sub-plan, flood evacuation sub-plan and flood recovery sub-plan).

flood evacuation sub-plan	A component of a flood emergency plan. An agreed set of roles, responsibilities, functions, actions and management arrangements to facilitate safe and orderly evacuation of people and possessions during the onset of a flood.
flood fringe	See defined flood fringe.
flood hazard	Potential loss of life, injury and economic loss to property, possessions and infrastructure caused by future flood events. The degree of hazard varies with the severity of flooding.
floodplain	Area of land adjacent to a creek, river, estuary, lake, dam or artificial channel, which is subject to inundation by the probable maximum flood event, ie flood-prone land.
floodplain management advisory committee	A committee formed and chaired by local agency(s) or other appropriate body(s) to oversee development and implementation of a floodplain management plan. The committee should include representatives from all stakeholder groups and all agencies responsible for floodplain management or undertaking developments on the floodplain.
floodplain management measures	The full range of measures available to prevent or reduce flood hazard and disruption, as canvassed in a floodplain management study.
floodplain management options	Measures which might be feasible for managing a particular area of the floodplain. Preparing a floodplain management plan requires a detailed evaluation of management options.
floodplain management plan	The recommended means of assessing and managing the flood risk associated with using the floodplain for various purposes. Usually includes both written and diagrammatic information describing how flood-prone land is to be developed and managed to achieve defined objectives. A floodplain management plan should be developed in accordance with the principles and guidelines of this manual. Plans need to be reviewed at regular intervals to assess progress and to consider the consequences of any changed circumstances that have arisen since the last review.
Flood-prone land	Land subject to inundation by the probable maximum flood event. Floodplain management

	plans should encompass all flood-prone land, rather than being restricted to land subject to defined flood events.
flood proofing	A combination of measures incorporated in the design, construction and alteration of individual flood-liable buildings or structures to reduce or eliminate flood damage.
flood recovery sub-plan	A component of a flood emergency plan. An agreed set of roles, responsibilities, functions, actions and management arrangements to facilitate clean-up, social and economic recovery and reinstatement of infrastructure of flood-affected communities.
flood risk	See annual flood risk.
flood severity	A qualitative indication of the 'size' of a flood and its hazard potential. Reference is often made to major, moderate and minor flooding.
flood storage areas	Those parts of the floodplain that are important for temporary storage of flood waters during the passage of a flood. The extent and behaviour of flood storage areas may change with flood severity. Flood storage areas should be treated as part of the floodway (see floodway).
flood warning sub-plan	A component of a flood emergency plan. An agreed set of roles, responsibilities, functions, actions and management arrangements to produce and disseminate flood warnings to people at risk of imminent flooding.
floodway	See defined floodway.
freeboard	Height above a defined flood level (DFL), typically used to provide a factor of safety when setting floor levels, levee crest levels, etc. Freeboard compensates for effects such as wave action, localised hydraulic behaviour and settlement of levees, which increase flood levels or reduce the level of protection provided by levees. Freeboard also provides protection from floods that are marginally above the DFL. However, freeboard should not be relied on to provide protection for flood events larger than the DFE.
frequency	Measure of likelihood expressed as the number of occurrences of a specified event in a given time, eg the frequency of occurrence of a five-

year ARI flood event is once every five years on average (see likelihood and probability).

hazard See flood hazard.

high-hazard areas Large trucks, boats or helicopters are required for evacuating people from high-hazard areas (see negligible, low and medium hazards).

lead agency The agency identified as being primarily responsible for a specific aspect of floodplain management, eg State and Territory emergency management agencies are the 'lead agencies' with respect to flood emergency management, State and Territory water resource agencies are the 'lead agencies' with respect to provision of technical advice on flooding matters.

likelihood A qualitative description of probability and frequency (see probability and frequency).

likelihood of occurrence The likelihood that a specified event will occur. The likelihood of occurrence of flooding can be measured in terms of Annual Exceedance Probabilities (AEPs), Average Recurrence Intervals (ARIs) and Annual Flood Risk (AFR). For example, the 1 per cent AEP flood has an exceedance probability of 0.01, an ARI of 100 years and an AFR of 1/100. The following table presents equivalent measures of the likelihood of flooding.

AEP %	Probability	ARI (years)	Annual Flood Risk
50	0.50	2	1/2
20	0.20	5	1/5
10	0.10	10	1/10
5	0.050	20	1/20
2	0.020	50	1/50
1	0.010	100	1/100
0.5	0.0050	200	1/200
0.01	0.0010	1,000	1/1000

local agency The agency or body responsible for preparing a floodplain management plan. Typically a local council in urban areas; may be a catchment management board or river trust in rural areas.

low hazard areas Fit adults can wade to safety from low hazard areas, but children and the elderly would have difficulties. Evacuation by sedan-type motor

vehicles is possible in early stages of flooding, then 4WD vehicles or trucks are required (see negligible, medium and high hazards).

mainstream flooding Inundation of normally dry land that occurs when water overflows the natural or artificial banks of the principal watercourses in a catchment. Mainstream flooding generally excludes watercourses constructed with pipes or artificial channels considered as stormwater channels.

mathematical/computer models The mathematical representation of the physical processes involved in runoff generation and stream flow. Due to the complex nature of these mathematical relationships, computers are often used to solve the underlying equations. In this manual, the models referred to are mainly involved with rainfall, runoff and stream flow.

medium hazard areas Fit adults have difficulty in wading to safety from medium hazard areas. Motor vehicle evacuation possible only with 4WD vehicles and trucks. Boats or helicopters may be required (see negligible, low and high hazards).

minor, moderate and major flooding The various State and Territory Emergency Services organisations and the Bureau of Meteorology use the following definitions in flood warnings to give a general indication of the types of problems expected with a flood:

minor flooding: causes inconvenience such as closing of minor roads and the submergence of low level bridges.

moderate flooding: low-lying areas are inundated requiring removal of stock and/or evacuation of some houses. Main traffic bridges may be covered.

major flooding: extensive rural areas are flooded with properties, villages and towns isolated and/or appreciable urban areas are flooded.

negligible hazard areas There are no significant evacuation problems from negligible hazard areas. Elderly people and children would have no undue difficulty evacuating by walking. Evacuation by sedan-type motor vehicle is possible (see low, medium

	and high hazard).
peak annual discharge	The highest discharge occurring in each water-year of record.
probability	The likelihood of a specific outcome, as measured by the ratio of specific outcomes to the total number of possible outcomes. Probability is expressed as a number between zero and unity, zero indicating an impossible outcome and unity indicating an outcome that is certain. Probabilities are commonly expressed in terms of percentage, eg the probability of 'throwing a six' on a single roll of a die is 1 in 6, or 0.167, or 16.7 per cent.
probable maximum flood (PMF)	The largest flood that could conceivably occur at a particular location. The PMF defines the extent of flood-liable land. Generally, it is not physically or financially possible to provide general protection against this event. It is difficult to define a meaningful annual exceedance probability for the PMF event. It is commonly assumed to be of the order of 10^{-4} to 10^{-7}, ie a flood risk of 1/10,000 to 1/10,000,000.
rainfall depth	The total amount of rain that falls over the duration of a storm.
rainfall flooding	Flooding caused by heavier than usual rainfalls.
rainfall intensity	The rate at which rain falls, typically measured in millimetres per hour. Rainfall intensity varies throughout a storm in accordance with the temporal pattern of the storm (see temporal pattern).
rainfall severity	A qualitative indication of the intensity of rainfall and its potential to cause flooding.
residual flood risk	The remaining level of flood risk that a community is exposed to after floodplain management measures to reduce risk have been implemented, ie 'untreated' flood risk. Residual risks vary with flood severity and may be substantial for flood events that are larger than the DFE adopted for planning purposes or for design of structural works.
risk	The likelihood of something happening that will have an adverse impact on objectives; a measure of potential loss. Risk is specified in

	terms of both consequences and likelihood, eg if the 50-year ARI flood event causes $20 million in flood damage, the risk of a flood causing $20 million damage is 1 in 50 or 1/50 (see also chance). Risk is often thought of as the 'downside of a gamble'.
risk acceptance	An informed decision to accept the likelihood and consequences of a particular risk.
risk analysis	The systematic use of available information to determine how often specified flood events occur and the magnitude of their likely consequences. Flood risk analysis is normally undertaken as part of a floodplain management study and involves an assessment of flood levels and hazard associated with a range of flood events (see flood study).
risk management	The systematic application of management policies, procedures and practices to the tasks of identifying, analysing, assessing, treating and monitoring flood risk. Flood risk management is undertaken as part of a floodplain management study. The floodplain management plan reflects the adopted means of managing flood risk (see floodplain management study).
storm severity	A qualitative indication of the destructive potential of storms. Tropical cyclones have five categories of severity (see tropical cyclone warnings).
storm surge	The increase in coastal water levels caused by the inverted barometer affect and wind set-up. Some analyses of 'storm surge' also include wave set-up (see wave set-up).
storm tide flooding	Flooding along coastal areas and the tidal reaches of rivers caused by storm surge and wave set-up. Storm tide flooding may inundate areas outside floodplains defined in this manual.
storm tide water levels	Water levels experienced in tidal waters during storms, including the inverted barometer effect, wind set-up, wave set-up and tidal effects, together with any other factors that increase tidal water levels.
stormwater flooding	Inundation by local runoff: can be caused by local runoff exceeding the capacity of an urban stormwater drainage system or by the backwater effects of mainstream flooding

causing urban stormwater drainage system to overflow.

tropical cyclone warnings

The Australian Tropical Cyclone Scale recognises five categories or severities of cyclones, details of which are shown below (Bureau of Meteorology undated). The potential damage associated with cyclones relates more to wind damage than to storm surge damage.

Category	Max wind gust (kph)	Central pressure (hPa)	Potential damage
1	<125	>985	Minor
2	125–170	970–985	Moderate
3	170–225	945–970	Major
4	225–280	920–945	Devastating
5	>280	<920	Extreme

tsunami

Low-crested waves generated in the oceans by underwater volcanic or landslide activity or by underwater earthquakes. As tsunamis move into shallower coastal waters, their height can increase dramatically and extensive coastal areas may be subject to sudden inundation and hazard.

tsunami flooding

Flooding caused by a tsunami which may inundate areas outside the floodplains defined in this manual.

velocity of flood waters

The speed of flood waters, measured in metres per second.

vulnerability

The susceptibility and resilience of a community and the environment to flood hazards. Vulnerability is assessed in terms of the ability of the community and environment to anticipate, cope with and recover from flood events. Flood awareness is an important indicator of vulnerability.

water surface profile

A diagram showing the variation of surface water level along a watercourse.

www.ema.gov.au

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

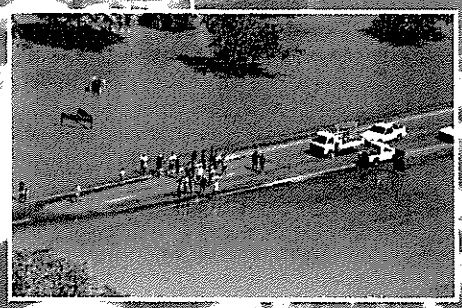
Annexure "PB2-5"

Hydrology Qld

[redacted]

URBAN FLOODING IN QUEENSLAND - A REVIEW

by David Ingle Smith, CRES, ANU, Canberra



LANDCARE QUEENSLAND

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NATURAL RESOURCES Queensland

Hydrology Qld

URBAN FLOODING IN QUEENSLAND

A REVIEW

David Ingle SMITH

Prepared for the Department of Natural Resources, Queensland

February 1998

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Executive Summary

The aims of the study are to:

- assess the size of the urban flood problem in Queensland;
- to advise on deficiencies in floodplain management; and
- to recommend how to overcome the shortcomings.

The major source of information was from an extensive questionnaire circulated to all local councils in Queensland. The total number is 125 and questionnaires were returned from 103 of these. Discussions with State and federal agencies established that 18 of the non-respondents did not have an urban flood problem, defined as a minimum of ten buildings at risk from the 1 in 100 year flood event.

Visits were made to five councils, Brisbane, Cairns, Logan City, Carpentaria and the Gold Coast. The last of these, is thought to have more flood prone buildings than any other local authority in Australia. Detailed accounts are presented for Brisbane and the Gold Coast.

Size of the Problem

Assessment of the size of the problem, in terms of number of buildings at risk, is handicapped by the lack, for many councils, of reliable information on flood hydrology. The best estimate of the total number of buildings liable to flooding to the level of the 1 in 100 year flood event is 65,000. This is very similar to the number for New South Wales, estimated in Smith (1996) to also be 65,000. Queensland and New South Wales together account for over 80% of flood prone buildings in Australia. A ranked list of the 12 Queensland councils with the largest number of buildings at risk to the level of the 1 in 100 year flood event is presented below, these account for at least two-thirds of the State total. The poor quality of the data does not allow further sub-division into residential, commercial and industrial buildings.

Local Government Authority	Number of buildings
Gold Coast	16,650
Mackay	8, 500
Brisbane	8, 000
Dalby	3, 300
Ipswich	3, 000
Logan	2, 375
Hinchinbrook	2, 175
Charleville	1, 350
Rockhampton	1, 200
Burdekin	1, 000
Cairns	728
Caboolture	455
TOTAL	**48,733**

It is not possible to provide reliable estimates of those buildings at risk from floods that have recurrence interval between that for the 1 in 100 year event and the probable maximum flood, i.e., the worst flood that could occur. Only 11 councils in Queensland have such information and, of those, only 8 have the information in map form. The number of buildings liable to flooding at the level of the probable maximum flood could be in excess of 200,000.

The need for hydrological information to the level of the probable maximum flood is stressed throughout the report. This is necessary in order to assess potential flood damages, the risk of building failure and to provide a basis for effective emergency management at times of flood. For localities with a high flood range, a measure of the depth of flooding, there is a very real risk of the failure of lightweight structures (such as detached weatherboard dwellings) at time of extreme flood.

Damages

Because of the limited data on flood hydrology and vulnerability, ie. what is at risk from flooding, it is not possible to provide reliable estimates of flood losses. However, a guesstimate for the average annual actual damages (AAAD) for tangible losses to the residential, commercial and industrial sectors, to the level of the 1 in 100 year flood, is close to $100m (at 1990 values). The corresponding AAAD, if the damage estimates are extended to the level of the probable maximum flood, would be very much higher perhaps by a factor of two.

The report has established that Queensland has the highest AAAD for any State in Australia. The number of buildings at risk are comparable to those in New South Wales but there, the steadfast application of effective urban floodplain management has progressively reduced the AAAD for many flood prone urban localities and dramatically slowed the construction of new buildings in areas subject to the 1 in 100 year flood. In contrast, Queensland has not reduced flood vulnerability and for many urban flood prone communities the lack of land use controls or building regulations is such that potential damages increase year by year. A report, in 1978 by a National Committee investigating a National Scheme for Natural Disaster Insurance reached virtually the same conclusions.

It needs to be stressed that some of the major flood prone communities were greenfield sites at the time of the extensive floods of 1974. It is not possible from the questionnaires to give any firm data on the increase of the size of the urban flood problem since then, but there is no doubt that it is has been significant. The Gold Coast is a prime example but undoubtedly the expansion of developments, many of which are dominantly residential, onto flood prone sites has been a State-wide phenomenon.

Mitigation measures

The use of structural mitigation measures is limited. Although not necessarily a recommended procedure, only 13 councils in Queensland report the use of levees to reduce flood losses. Other strategies, some of which can be applied to individual buildings are rarely used. Examples are flood proofing, the raising of weatherboard dwellings above flood level or the purchase of especially hazardous buildings Compared to other states, this restricted use

of structural measures is thought to reflect paucity of funds, lack of background information and of urban flood policy.

The provision of flood forecasts, in part based on local instrumentation, is of a comparatively high standard. Exceptions are for some remote inland communities, the coastal settlements of the Gulf of Carpentaria are examples. Analyses, provided by the Bureau of Meteorology, indicate that the warning times for flood forecasts for 100 flood prone urban locations (about 70% of the total) are less than 12 hours. Thus, the best possible preparedness and response are necessary if the benefits of the forecasts are to be fully captured. Improved information on flood hydrology and the availability of flood maps are required together with the provision of flood markers at the local level. Only 25% of councils report that such flood markers are in place, their use should be obligatory.

Need for a State Policy

Only 35 of the council responses indicated that they had an 'urban flood policy' and in many cases these fall short of being 'state of the art'. This number is unacceptably small and often, where such a policy exists, the information on which it is based in inadequate.

Queensland is unusual among the Australian States in that it does not have a State-wide policy for urban floodplain management. Action is left to individual councils and the 35 responses that provided information on the under-pinning legislation, demonstrate that the institutional arrangements are unclear. The burden of costs, both for the necessary flood studies and for possible subsequent mitigation, have been frequently borne solely by local councils. This is marked contrast to New South Wales, where the contribution of state funding is close to 40% of the total costs, normally matched by similar federal funding.

The need in Queensland is for a co-operative, locally-based approach to urban floodplain management that is formulated to accord with an established State policy. This would require the provision of technical advice and a contribution to council funding from State sources (especially for assistance with flood studies).

Steps towards these aims would be for the State government to produce a flood manual specifically designed for use by local governments. This should present guidance to all aspects of best practice floodplain management. It should include guidance to all relevant planning legislation in order that floodplain management by local government is integrated into the State's overall planning policy.

A clear statement on the legal liability of council decisions that allow building in flood prone areas may aid improved floodplain management. Indemnity from such liability for councils following accepted procedures (as indicated in the proposed manual) is a strategy that could be investigated.

Until Queensland adopts an acceptable policy for new urban developments in flood prone areas, the damage bill will continue to escalate. It is important to note that Commonwealth contributions to flood relief, under the Natural Disaster Relief Arrangements, have decreased over recent years. This places additional burdens on the State Treasury and it is surprising that this has not resulted in greater pressure to reduce future flood losses by way of improved planning. Many mitigation measures would have favourable benefit-cost ratios and would

therefore indicate medium to long-term advantages. In addition, the Commonwealth government has indicated that future payments for flood relief will be evaluated against improvements in floodplain management.

Storm Surge

The questionnaire also provides background information of coastal inundation for storm surge (alternatively referred to as 'storm tide'). A total of 25 councils replied that they had a storm surge problem which equates to virtually all coastal LGAs in Queensland. These are listed below with the date of the last occasion on which buildings were damaged.

Local Government Authority	Location affected	Date of most recent damaging event
Bowen	(Queens Beach)	1980
Burnett	(Bundaberg Point)	1942
Caboolture	(Several locations)	
Cairns	(City and Northern Beaches)	1979
Calliope	(Tannum Sands, Boyne Is.)	
Caloundra	(Kawana Waters)	
Cardwell	(Tully Heads, South Mission Beach)	
Carpentaria	(Karumba)	1976
Cook	(Ayton, Cooktown)	
Douglas	(Port Douglas)	
Gladstone		
Gold Coast		1974
Hervey Bay		1992
Hinchinbrook	(L. Tully)	
Johnstone1996		
Livingstone		
Mackay	(City and North Mackay)	1918
Noosa		1992
Pine Rivers		1993
Redcliffe		1994
Redland	(Bay Island)	
Sarina	(Several locations)	1918
Thuringowa		1971
Tiaro		
Townsville	(City)	1971

Information on storm surge risk is generally poor, the study estimates that between 40,000 and 50,000 buildings may be at risk from extreme surge events. This problem is compounded

by the fact that it is unusual for councils to have any restrictions on development in areas liable to the storm surge.

Unlike river flooding, the problem of surge is concentrated in Queensland and therefore, there is not the same opportunity for the transfer of methodologies and experience between States. Succinctly, inundation of urban areas from storm surge is a Queensland problem. Surge flooding requires similar land use planning regulations to those for river flooding, the major difference is that the occurrence of a major surge event could cause, at a single urban locality, the structural failure of several hundred dwellings.

The responses to this question indicate that to date effective development controls have been lacking and that there is an urgent need to better define the areas at risk, to introduce appropriate land use and building regulations and for improved arrangements for emergency management.

The Future

Actions to improve current practices are necessary to prevent the occurrence of major disasters with extensive damage and loss of life.

Section 11, *Towards Better Urban Floodplain Management*, outlines the steps that are required to improve urban floodplain management in Queensland. The essential first step is the provision of detailed studies, for flood hydrology and vulnerability, for all urban flood prone communities liable to flood. Without such information further progress is severely handicapped.

Overall, the current state of knowledge of flood risk in Queensland is poor and far below the standard of that elsewhere in Australia.

Conclusions

(i) Reliable estimates of the number of localities and the number of buildings subject to urban flooding in Queensland are severely hampered by the paucity of information on flood hydrology.

(ii) It is best estimated that the number of buildings (residential, commercial and industrial) at risk from the 1 in 100 year flood event is 65,000.

(iii) The majority of councils in Queensland have no information available on the risks associated with extreme floods, i.e. those in excess of the 1 in 100 year flood event. Only eight councils have such information available in map form.

(iv) The tangible annual average urban damage in Queensland, to the level of the 1 in 100 year flood event, is thought to be about $100m. The paucity of information on flood hydrology and vulnerability is such that that this estimate should be regarded as tentative; the data base for commercial and industrial losses is especially poor.

(v) Notwithstanding the quality of the background data, Queensland has the highest average annual urban flood damage of any State in Australia.

(vi) Continued development in flood-prone areas is of special concern, this leads to an ever-increasing escalation in vulnerability and flood damage.

(vii) The warning time that can be provided for some 70% of urban floodplain locations within Queensland is less than 12 hours.

(viii) In comparison to other Australian States, Queensland is unusual in that there is no clear or comprehensive State-wide policy to guide urban floodplain management.

(ix) Only thirty-five councils have a policy for urban floodplain management and, in many cases, these do not meet national or international best practice.

(x) Twenty-three councils report that they have urban areas at risk from storm surge (storm tide).

(xi) Overall, information available on liability for damage from storm surge, and the potential for catastrophic losses (including widespread building failure) are even less well developed than even those for riverine flooding. A guesstimate is that some 40-50,000 buildings in the State are at risk from the 1 in 100 year storm surge event.

(xii) Urban inundation from storm surge is essentially a Queensland problem, the risk likely exceeds that of the combined total for all other Australian States.

Recommendations

Flood studies

(i) There is an urgent need for information on flood hydrology for all flood-prone urban locations. The ranked list of flood liable locations could be used to prioritise such studies. Attention should also be given to providing information on flood hydrology for areas likely to be developed in future years.

(ii) Studies of flood hydrology should include information of the areal extent of the probable maximum flood and give, at least, a semi-quantitative assessment of over-floodplain velocities.

(iii) When studies of flood hydrology are complete they should be used to assess vulnerability, flood damage and be integrated into emergency management.

(iv) The resultant flood studies (combining hydrology, vulnerability and damage) should then be used as a basis for comprehensive urban floodplain management including evaluation of the full range of mitigation measures - structural and non-structural.

Forecasting and awareness

(v) There is a need to better use flood forecasts to capture the full benefits for all forms of loss reduction. One simple measure would be to make it obligatory for councils to

install flood markers in order that forecasts of flood height could more readily used to give an indication of the extent and severity of flooding. Such measures are cheap and effective.

Policy and legislation

(vi) There is an urgent need for the Queensland government to clarify, and ideally to revise, legislation relevant to the implementation of effective urban floodplain management.

(vii) A clear statement of the legal liability of councils that allow development in flood-prone sites should be provided by the State government.

(viii) To assist with the recommendations outlined above, the State government should fund and distribute a comprehensive urban floodplain manual specifically designed for use by local councils in Queensland. This should provide guidance on how to undertake studies of flood hydrology, vulnerability and damage together with information on mitigation options and the appropriate legislative basis for locally-based flood policy.

(ix) Analysis of the risks of catastrophic damage in urban areas from storm surge (storm tide) should be a given a high priority. Policy for the planning, and for the reduction of damage to existing structures, in storm surge areas should be integrated into that for riverine flooding.

Introduction

The study was commissioned to review all aspects of the urban flood problem throughout Queensland.

Specific aims included:

- the design, distribution and analysis of a questionnaire survey to all local government authorities (LGAs) in the State;
- estimates of the size of the urban flood problem;
- a review of the current state of urban floodplain management, including flood warning systems, mitigation measures etc.
- a prioritised list of flood prone communities for future detailed study;
- a review of best practice methods to assess urban flood losses;
- recommendations on how State agencies can assist and encourage LGAs to attain more effective flood management.

An outline consideration of inundation from storm surge was also included, as this is considered to represent an extension of riverine flood policy.

It is clear that many of the respondents to the questionnaire expended valuable time to complete the extensive range of questions. The author would like to thank all those involved for their cooperation. Special thanks are also due to senior staff of the following councils: Brisbane, Cairns, Carpentaria, Gold Coast and Logan, who, in addition to completing the questionnaire, were willing to discuss urban flood problems face to face.

Peter Baddiley and Terry Malone of the Hydrological Section of the Brisbane Regional Office of the Bureau of Meteorology, and Doug Angus and the staff of Queensland Emergency Services, willingly gave advice at all stages of the project.

Dr Darryl Muller of the Department of Natural Resources was responsible for assembling the questionnaire while Russell Cuerel, and other staff at the Department were responsible for the circulation of the questionnaire and chasing up recalcitrant respondents. Their diligence resulted in a remarkably high rate of return from local government officials who are undoubtedly over-worked and over-questionnaired.

Finally, my personal thanks to Katie Ellis in CRES, who skills, assistance and good humour at all stages of the project have been exemplary. These ranged from organising the computer data base for replies to the questionnaire, to proof reading and lay-out of the final report.

1

Background and Definitions

1.1 Definitions

A key factor in assessing the susceptibility of urban areas to flooding is the number of buildings liable to inundation. However, in order that urban flood locations can be ranked in terms of need for further study or for flood mitigation priority, this simple statement requires further definition. Necessary definitions are:

- how to define flood prone?
- what is an urban locality?
- how to classify the buildings and infrastructure at risk?

1.2 How to define flood prone?

Theoretically, a building or installation would be classified as flood prone if it is at risk from inundation by the probable maximum flood, this can be regarded as statistically the largest possible flood. 'Inundation' also presents a definitional problem with a choice between water over-ground on the property block, or restricted to a flood that exceeds floor level. For the various forms of infrastructure, the definition is more complex with the choice between over-ground inundation or the flood level that corresponds to a critical level that interferes with normal service provision, i.e., over roadbed level, or at a critical height for an electricity transformer.

However, data on the magnitude of the probable maximum flood is rarely available and the number of flood prone buildings is usually reported in terms of over-ground inundation for the 1 in 100 year event. This convention will be followed in this report except that, wherever possible, additional data will be given for liability to the level of the probable maximum flood.

1.3 What is a flood prone urban locality?

For the purposes of this study it was necessary to define what constitutes a flood prone urban locality. The decision was made to include all urban localities for which at least 10 buildings were liable to flooding from the 1 in 100 year flood event or were inundated by the flood of record. In practice, this refers to buildings that would have over-ground inundation, i.e., not necessarily over-floor level.

Any definition of this kind is arbitrary but the selection of a lower limit of 10 buildings corresponds to the criterion used in the first national survey of urban flooding undertaken by Devin and Purcell (1983).

1.4 How to classify the buildings and infrastructure at risk?

It is common practice for urban flood studies to report risk in terms of the number of buildings liable to inundation. Many studies do not differentiate between residential buildings (in Australia normally detached dwellings) and those that are commercial or industrial. Other

accounts sub-divide business enterprises into 'commercial and 'industrial'. In many Australian flood studies these are defined on the basis of likely flood damages and the commercial sector is restricted to the more commonly occurring buildings used for retail or office functions with 'industrial' used for larger enterprises (sometimes incorporating a number of individual buildings) often engaged in some form of manufacturing. An example that occurs relatively frequently in small urban centres is the regional milk factory. These finer divisions are usually related to studies that are designed to assess potential flood losses.

Thus the most frequently used definition of buildings in flood studies recognises residential and commercial sectors with a possible further sub-division to recognise large industrial concerns. Some flood damage surveys recognise an additional category, often termed 'public buildings'. Examples in this category are schools, hospitals and council offices.

In Australia and overseas, studies of urban flood risk are normally limited to the analysis of buildings, however defined. In recent years more emphasis has been placed upon the susceptibility of 'lifelines' to flooding. 'Lifelines' are usually restricted to services of which roads, bridges, water supplies, sewerage and electricity form critical elements. A limited number of surveys of actual floods give descriptions of such infrastructure damage and sometimes these are included in estimates of flood damage. Even more recent studies, often based on the use of Geographical Information Systems (GIS), have begun to analyse the significance of the potential damage to lifelines in order to better plan for emergency management.

However, such studies are relatively uncommon and it standard practice in Australia and overseas to evaluate urban risk in terms of building damage. This approach forms the main thrust of this report although additional descriptions are given to the problems of infrastructure where such information is available.

To a large extent the detail and definition of buildings used in flood studies reflects the purpose of the investigation. If the aim is to assess flood damage, often as a basis for cost benefit analysis of flood mitigation options, the classification of buildings into residential, commercial and industrial is necessary. If the aim is to provide the background for emergency management, the emphasis is upon the safety of the inhabitants and this focuses attention on the residential sector and upon lifelines.

1.5 What is a designated flood?

It is near universal practice for floodplain management, in Australia and overseas, to select the level of the 1 in 100 year event as the designated (or standard) flood. Once established the designated flood forms the basis for new developments which for residential buildings are usually related to the habitable floor level. This is usually set at the 1 in 100 year level plus extra 'freeboard' which is typically a foot or 300 mm. Some jurisdictions permit floor levels for commercial and industrial establishments at lower levels, with higher levels for especially vulnerable buildings such as hospitals, police stations etc.

The adoption of a designated flood is the key step in introducing land use zoning to control the growth of new developments on flood prone land. A detailed hydrological study is required in order to satisfactorily establish the position of the 1 in 100 year flood line, as a temporary measure LGAs sometimes substitute the flood of record for the design flood. It is common practice for the extent of the design flood to be shown on large scale maps or orthophotos. This however, is not universal and in New South Wales there is a reluctance to produce flood maps. The background to this unusual stance lies with community

dissatisfaction with such maps in the mid-1980s, a detailed account of this hiatus is given in Handmer (1985).

The widespread adoption of the 1 in 100 year flood as the designated flood, however, represents an imperfect solution to the definition of 'flood prone'. There are three reasons why it is often unsatisfactory. They are:

- the large variation in flood height range between locations
- the possibility of building failure from extreme events
- the problems posed by the probable maximum flood.

Each of these is outlined below.

1.5.1 Flood height range

The flood height range (FHR) is a term frequently used in the USA to provide a measure of the difference in stage (height) between the 1 in 10 (or 1 in 20) and 1 in 100 year events. The FHR can differ markedly from one location to another, a range from a metre or so to ten metres is not unusual. Figure 1.1 demonstrates the variation in stage for two locations. In Case A the FHR is less than a metre and in case B is about four metres. Many inland locations in Queensland would be similar to Case A, this is because when the river exceeds bankfull there are extensive flat floodplains that provide very large natural storage's for the flood waters. Case B is commonly associated with sites upstream of river gorges so that flood flows back up to considerable depths during floods.

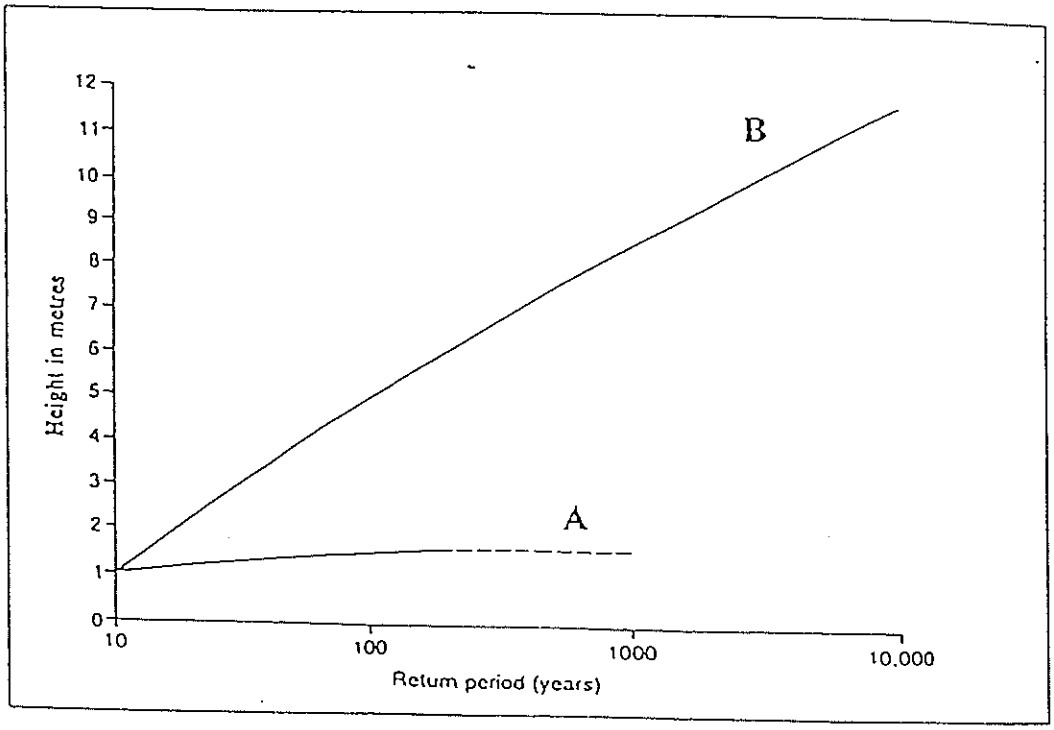

Figure 1.1 Low and high flood height range

The significance of the FHR is that buildings located close to the 1 in 100 year line in Case A would only experience limited over-floor inundation from floods greater than the 1 in 100 year, while for Case B water could be several metres over floor level. For locations similar to case B there is an additional risk of building failure (see below) and loss of life.

Data on flood height range is relatively poor for many locations in Queensland but there is little doubt that there is a wide range of values.

A surrogate for FHR can be obtained from the Flood classification for Queensland flood warning river height stations, compiled by the Hydrological Section of the Brisbane office of the Bureau of Meteorology. This lists flood warning heights for several hundred flood gauges distributed throughout the State. It is not designed to give FHR *per se* but it does report minor, moderate and major warning heights for each station. The classification of the level of risk is given as an aid to emergency management. For example, 'moderate' corresponds to '... inundation of low lying areas requiring the removal of livestock and the evacuation of isolated houses' and 'major' is defined as major disruption ... 'evacuation of many houses and business premises may be required'.

For many urban settlements the Bureau of Meteorology also produces booklets describing key aspects of the flood warning system, notes on the flood history etc. In the absence of detailed hydrological studies such information forms an invaluable guide to urban flooding. The major limitation is that the 'major' flood heights are often well below the level of the 1 in 100 year flood or the flood of record. Table 1.1 illustrates the problem of FHR for a selection of flood prone urban communities.

Table 1.1 Flood height range and flood warning levels for a selection of Queensland towns, all heights are in metres

	Flood warning levels			Flood height range	Flood of record
	Minor	Moderate	Major		
Brisbane City gauge	1.7	2.6	3.5	4.0	5.45 (1974)
Ipswich City gauge	7.0	13.0	15.5	10.0	20.73 (1974)
Rockhampton City gauge	5.0	6.0	7.0	1.75	10.1 (1918)
Ingham City gauge	10.0	11.0	15.0	1.5	16.4 (1967)
Logan River, Macleans Bridge	10.0	13.5	16.0	8.0	21.67 (1974)

All values in metres. Estimate based on limited information

The data demonstrate both the variations in the FHR and the relationship of the flood of record to the warning levels. The flood height ranges given in Table 1.1 are the best estimates of the range between the 1 in 10 and 1 in 100 year flood events; the minor, and major flood warning levels are related to the effects upon those at risk and not to flood recurrence intervals.

Interpretation is further blurred by local factors. For instance for Ingham the height difference between the 1 in 2 and the 1 in 10 year floods is 4.5 m but only a further 2.0 m between the 1 in 10 and 1 in 100 year. In many cases the hydrology is imperfectly known and the data given in Table 1.1. should be regarded as indicative of high or low flood height ranges rather as precise estimates.

1.5.2 Building failure

Data that present critical combinations of flood depth and velocity that lead to building failure are available. These are based on studies from the USA, for instance Black (1975), but the results are also relevant to a range of Australian building styles. A more accessible review of these relationships and their importance for damage and emergency management is given in Smith (1991). Examples of these relationships are reproduced here as Figure 1.2.

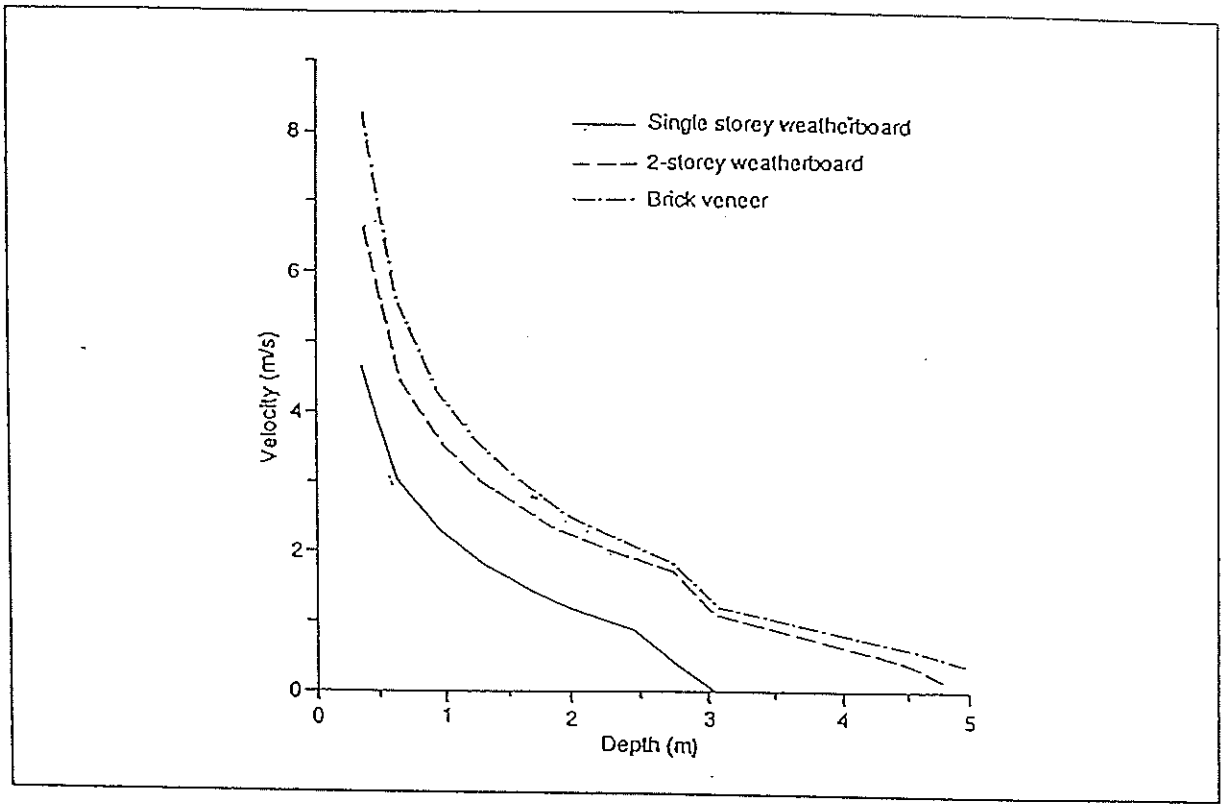

Figure 1.2 Critical flood velocity and depth for residential building failure

Detached, single storey weatherboard houses, a style common throughout Queensland, are particularly susceptible to failure which is often related to their buoyancy in flood water causing the building to 'float off its stumps'.

To use these failure relationships it is necessary not only to know the flood depth but to also have reliable estimates of the velocity of the flood waters. The velocities are those for over-floodplain discharges, not in-channel flows. Such data are rarely available in Queensland.

It should be obligatory for any future hydrological flood studies to estimate over-floodplain velocities for flood flows. This should not be difficult to achieve as many contemporary computer-based hydrological models have the capacity to estimate such velocities. In many areas, especially where the FHR is small, the chances of building failure are remote. However, for other sites the risk can be considerable and may well be judged to be unacceptable. The significance of potential building failure for emergency management and for damage estimation is large. The possibility of building failure should be a key factor in the selection of the designated flood.

1.5.3 Less frequent floods including the probable maximum flood (PMF)

The worst flood that could occur is termed the probable maximum flood (PMF). This is clearly a very rare and extreme event and it could be replaced by estimates of the 1 in 5,000 or 1 in 10,000 year flood. In any new hydrological study it should be obligatory to provide estimates of the full range of floods including the PMF although it is accepted that, for the less frequent events, the estimation error bands will always be large.

The major reason for estimating the PMF is to use it in conjunction with Figure 1.2 in order to assess the potential for building failure from rare events. All too often the perception of the 1 in 100 year (or other) design flood is that this divides areas that are considered as flood prone from those (erroneously) thought to be flood free. However, residual risk from the PMF (and the other large events) is not only due to building failure. An additional reason for assessing the less frequent events is to ensure that emergency measures to deal with the residual flood risk (like access for evacuation and refuge points) can be implemented as part of a flood disaster response plan

It would be economically unacceptable to prohibit all new development below the level of PMF but if there would be widespread building failure from such extreme events this should be recognised in any land use zoning restraints. Knowledge of this worst case flood should be fully understood by the emergency services, the problem of isolation of flooded areas as islands is of special concern.

Such risks of failure are generally greatest for locations where the flood height range is large. Although precise hydrological data are not available, dwellings close to the 1 in 100 year at Ipswich would have several metres of water over floor level for a near PMF which, in many cases, would result in widespread building collapse.

The risk of failure for existing developments below the level of the 1 in 100 year flood line can be very severe. For Ipswich, with the high FHR shown in Table 1.1, it is likely that several hundred buildings would be totally submerged by such extreme floods. The loss of more than thirty dwellings in the 1974 flood demonstrates that this risk is very real. The fact that similar houses were re-built on the sites is an example of very poor urban floodplain management.

1.6 Definitions – a summary

In this account a flood prone urban location is defined as a place at which at least 10 buildings would be subject to the 1 in 100 year flood event. Buildings are regarded as flood prone if their grounds are within the limits of the 1 in 100 year flood. Wherever possible the buildings are sub-divided into residential and commercial. For many localities hydrological studies that define the extent of the 1 in 100 year flood are lacking, in such cases the flood of record is substituted.

Such definitions are used because:

- they give comparability between places
- they represent the most commonly available data
- it is common practice for floodplain management to use the 1 in 100 year (or flood of record) flood line as the basis for building and land use controls

The questionnaires used in the study were designed to provide this basic information but also provided the opportunity to report more detailed information where it is available, ie properties liable to flooding from the probable maximum flood, susceptibility of infrastructure etc.

It needs to be stressed that, although the 1 in 100 year event is very widely used as the basis for floodplain management, it is far from an ideal standard for universal application. Further, for emergency management and flood damage assessments over-floor flooding is much more critical than over-ground inundation.

For the purposes of floodplain management it is necessary to select a designated flood which forms the basis for controls on new developments. Although the 1 in 100 year flood line is often used, this is not necessarily a good choice due to large variations in flood height range which have, in extreme cases, the potential to cause structural failure especially for lightweight buildings.

Hydrological studies of flood prone areas should always include estimates of the magnitude and extent across the full range of floods to the level of the probable maximum flood. This is especially important because of its implications for emergency response planning.

2

Urban Flooding in Queensland: Early Estimates of Size

2.1 Early estimates

Any estimates of the number of properties at risk from flooding made in Australia prior to the mid-1970s are little more than guesses. The impetus to flood studies from the widespread flooding of 1974 resulted in the first systematic attempts to assess the magnitude of the problem. These estimates were hampered by the lack of flood maps, which are essential to define the urban areas at risk. The first estimates based upon a growing data base were made by a Technical Committee of the Australian Government Actuary (AGA, 1978) which reported its findings in 1978. In 1976 Douglas, in a paper at the National Hazards Symposium held in Canberra (available as Douglas, 1979), presented a review of flooding in Australia. This suggested that some 5 per cent of dwellings in Australia were liable to river flooding, the information base for this estimate was derived from the information gathered by the Technical Committee.

Irish and Devin (1978) discussed methods to estimate mean annual damage to dwellings. Their account gave estimates of the number of dwellings exposed to damage from the 1 in 100 year flood for 135 urban areas throughout the Commonwealth. These included all major urban centres plus smaller urban areas known to have a significant flood risk.

Irish and Devin, commented, in comparing the estimates for Queensland and New South Wales, that:

> ... Mean annual flood damage for New South Wales was estimated to be much less than for Queensland despite the disparity in State populations. This is thought to be due to the flood mitigation program which has been carried out in many NSW towns over the last two decades, the tighter town planning controls and the absence of major flood hazards in Sydney, Newcastle and Wollongong (Irish and Devin, 1978: 106).

A recent review of urban flooding in Australia is also given in Smith (1996).

2.2 Estimates by Australian Water Resources Council (AWRC)

The study undertaken by Water Studies Pty Ltd, and reported in *Floodplain management in Australia* (AWRC, 1992), provides the most recent nationwide flood estimates. These include information on the numbers of buildings at risk, together with estimates of annual average damage (AAD) for rural and urban sectors for both mainstream and stormwater flooding. The background data were assembled after discussions with the responsible agencies in each State and Territory. The survey is comprehensive but reflects the deficiencies outlined in Section 1.

The major limitation is that all the estimates are restricted to the 1 in 100 year flood event, the additional losses that could be expected from extreme floods and building failure are omitted. To an extent the two are linked, building failure would be a much larger factor for the rarer

extreme events. The reasons for these omissions are the paucity of available data and the restricted approach taken by most State agencies to the definition of flood.

2.2.1 Number of properties at risk in Queensland

A convenient starting point for the present study is to consider the data on the number of properties at risk in Australia from the 1 in 100 year flood as reported in Appendix D of the AWRC (1992) report. These are given in Table 2.1.

Table 2.1 Number of properties, by State, at risk from 1 in 100 year mainstream flooding, from AWRC, see Appendix D (1992)

	Protected	Unprotected	Total
New South Wales	21,800	36,100	57,900
Northern Territory		2,000	2,000
Queensland			21,000
South Australia	1,350	1,350	1,350
Tasmania		715	715
Victoria	3,600	10,600	14,200
West Australia	4,440	1,350	5,750
Total	**29,800**	**73,115**	**102,915**

Table 2.1 also divided properties into 'protected' and 'unprotected'. The protected are those where structural mitigation measures lessen the impacts of the flood events, such protection is dominantly provided by levee systems. These are of major significance in New South Wales, Victoria and Western Australia, but much less so for Queensland. Protected residences pose problems for damage estimation, this is because the levees have a design limit and when this is exceeded, severe flooding can result. An additional complication is that such levees can fail at heights below the design (i.e. overtopping) level.

The AWRC report (1992) gives the official estimates of flood prone properties, as provided by the former Queensland Water Resources Commission (now part of the Department of Natural Resources) as 17,000. Of these 14,600 were urban and 2,400 rural. These were known to be under-estimates and they were revised in the AWRC report to a state-wide total of 21,000. This too, was undoubtedly a major under-estimate. Reliable estimates of the numbers will not be available until the areas subject to flood are delimited on the basis of good quality flood studies.

2.3 The Insurance Council of Australia (ICA)

A more recent unpublished study was undertaken for the Insurance Council of Australia (ICA), this included estimates of the number of residential buildings at risk from flooding for each State and Territory (Smith, 1996). The results are summarised in Table 2.3, with the exception of Queensland, the numbers of residential buildings are similar to those in AWRC (1992), given in Table 2.2.

Table 2.2 Revised State estimates of residential buildings at risk from 1 in 100 year mainstream flooding, from Smith (1996)

	Inland	Coastal	Protected	Total
New South Wales	9,700	27,800	27,500	65,000
Northern Territory	2,000	0	0	2,000
Queensland	10,000	40,000	0	50,000
South Australia	0	1,500	0	1,500
Tasmania	375	375	1,000	1,750
Victoria	4,150	7,200	3,650	15,000
Western Australia	0	1,350	4,440	5,750
Total	**26,225**	**78,225**	**36,550**	**141,000**

NOTE: The Queensland data reported in AWRC (1992) does not differentiate between 'protected' and 'unprotected' buildings, however the number of protected buildings is small.

The ICA report acknowledged that the data base for Queensland is poor but suggested a working estimate of 50,000 residential buildings, i.e. those subject to over-ground inundation from the 1 in 100 year flood event.

2.4 Summary

Regardless of the imperfections of the estimates the overall conclusion of the existing surveys is that the combined buildings at risk in New South Wales and Queensland account for over 80% of the national total. In terms of both buildings and damage (assessed in terms of average annual loss) the magnitude is similar in both States.

These earlier accounts are all restricted to inundation from mainstream flooding, ie urban storm drainage surcharge is excluded, although the AWRC (1992) report separately assessed flood risk from storm water drainage. These earlier studies also excluded inundation from storm surge which is limited to those areas of northern Australia exposed to risk from tropical cyclones.

In practice, storm surge inundation is dominantly a Queensland problem, this is because there are only a few small urban settlements in Western Australian and the Northern Territory that are at risk from major surge events. The major urban surge locality in these other northern States is Darwin but zoning to exclude new developments from areas liable to surge was undertaken in the late 1970s, ie after Cyclone Tracey. Although the current study is focussed on urban mainstream flooding in Queensland a preliminary account of urban exposure to storm surge will be included.

Detailed studies of flood hydrology, vulnerability and loss are well-advanced in New South Wales but are only known with any precision for a few localities within Queensland. The risk of urban flood in Queensland is undoubtedly large but how large, and which localities have the major risks, provides the impetus for the present study.

3

The Questionnaire: The Size of the Problem

3.1 Questionnaire distribution and response

The questionnaire, *Urban flood risk in Queensland*, was distributed to all LGAs throughout the State over the period September to November 1996. The number of LGAs totalled 125, a list is given in Table 3.1. Responsibility for circulation, the collection of returns and contacting recalcitrant respondents was undertaken by staff of the DNR. By April 1997 completed questionnaires had been received from 102 LGAs, 15 of which provided information for more than one flood prone location within their area of jurisdiction, these are also indicated on Table 3.1. Of the completed forms, 15 LGAs did not meet the criteria used to define a flood prone community, i.e. more than 10 flood prone buildings at a single locality. These are also shown on Table 3.1.

The areal coverage of LGAs who responded, also including those with an insignificant urban flood problem, are given in Figure 3.1.

In order to obtain this degree of participation, the DNR repeatedly contacted those LGAs who had not sent in completed questionnaires. In reviewing progress in early 1997, it was decided not to further harry those non-responding LGAs who were considered not to have an urban flood problem. The decision on LGAs in this category was based upon discussions with the Hydrological Section of the Bureau of Meteorology and with staff of Queensland Emergency Services. The 18 LGAs in this category are indicated on Table 3.1 and as a result of their elimination, there were only 4 LGAs of interest who did not respond.

In total, responses were received from 102 LGAs covering 133 localities.

A further modification to the original intention of the questionnaire, that it should be completed for each flood prone location within single LGAs, was for Brisbane and Gold Coast City Councils. This is because for both of these the size of the urban flood problem, in terms of numbers of buildings at risk, was especially large and because flood prone buildings were distributed over a number of catchments. The detail for Brisbane and the Gold Coast are outlined in Section 4.

Overall, the level of response and detail given by those LGAs that have a risk of urban flooding was good. Where known, separate estimates of the size of the urban flood problem for these, and for respondents who did not complete individual questions, are included in the discussion of the results.

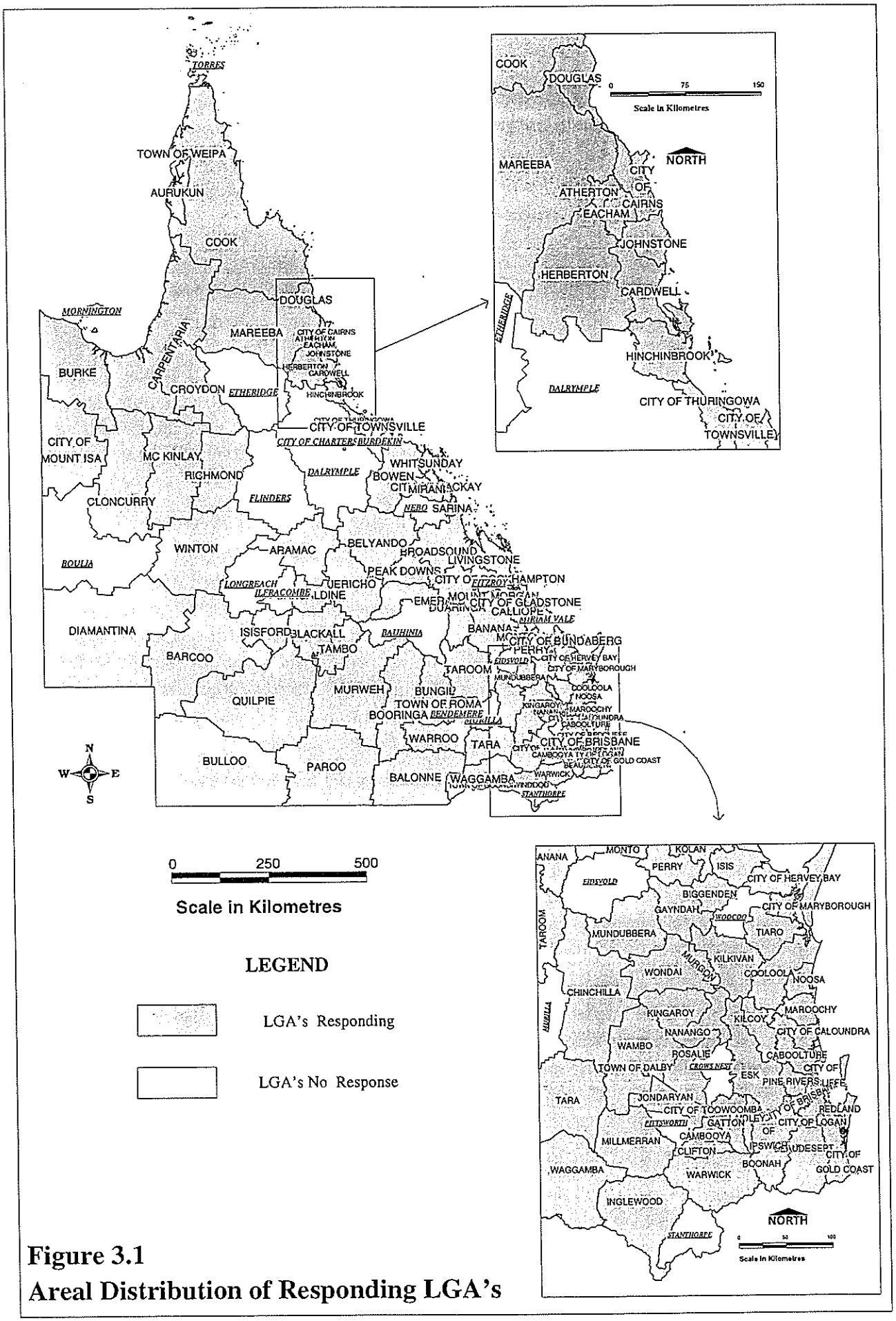

Figure 3.1
Areal Distribution of Responding LGA's

Table 3.1. Queensland LGAs, responses to the questionnaire

1.	Aramac Shire	
2.	Atherton Shire	*
3.	Aurukun Shire	
4.	Balonne Shire	(5)
5.	Banana Shire	(4)
6.	Barcaldine Shire	
7.	Barcoo Shire	(3)
8.	*Bauhinia Shire*	'
9.	Beaudesert Shire	
10.	Belyando Shire	*
11.	*Bendemere Shire*	'
12.	Biggenden Shire	
13.	Blackall Shire	
14.	Boonah Shire	
15.	Booringa Shire	
16.	*Boulia Shire*	'
17.	Bowen Shire	
18.	Brisbane City	
19.	Broadsound Shire	*
20.	Bulloo Shire	
21.	Bundaberg City	
22.	Bungil Shire	*
23.	*Burdekin Shire*	
24.	*Burke Shire - received but not included*	
25.	Burnett Shire	
26.	Caboolture Shire	(8)
27.	Cairns City	(2)
28.	Calliope Shire	
29.	Caloundra City	
30.	Cambooya Shire	
31.	Cardwell Shire	
32.	Carpentaria Shire	(2)
33.	*Charters Towers City*	'
34.	Chinchilla Shire	
35.	Clifton Shire	*
36.	Cloncurry Shire	*
37.	Cook Shire	(3)
38.	Cooloola Shire	
39.	*Crows Nest Shire*	'
40.	Croydon Shire	
41.	Dalby Town	
42.	Dalrymple Shire	'
43.	Diamantina Shire	*(2)
44.	Douglas Shire	
45.	Duaringa Shire	*
46.	Eacham Shire	
47.	*Eidsvold Shire*	'
48.	Emerald Shire	
49.	Esk Shire	
50.	*Etheridge Shire*	'
51.	*Fitzroy Shire*	
52.	*Flinders Shire*	'
53.	Gatton Shire	
54.	Gayndah Shire	
55.	Gladstone City	
56.	Gold Coast City	
57.	Goondiwindi Town	
58.	Herberton Shire	
59.	Hervey Bay Shire	(2)
60.	Hinchinbrook Shire	
61.	*Ilfracombe Shire*	'
62.	Inglewood Shire	
63.	Ipswich City	
64.	Isis Shire	*
65.	Isisford Shire	
66.	Jericho Shire	(2)
67.	Johnstone Shire	
68.	Jondaryan Shire	(2)
69.	Kilcoy Shire	
70.	Kilkivan Shire	*
71.	Kingaroy Shire	
72.	Kolan Shire	*
73.	Laidley Shire	
74.	Livingstone Shire	
75.	Logan City	
76.	*Longreach Shire*	'
77.	Mackay City	
78.	*Mareeba Shire*	
79.	Maroochy Shire	
80.	Maryborough City	
81.	McKinlay Shire	
82.	Millmerran Shire	*
83.	Mirani Shire	
84.	*Miriam Vale Shire*	
85.	Monto Shire	*
86.	*Mornington Shire*	'
87.	Mount Isa City	
88.	Mt Morgan Shire	
89.	Mundubbera Shire	
90.	Murgon Shire	*
91.	*Murilla Shire*	'
92.	Murweh Shire	(2)
93.	Nanango Shire	
94.	*Nebo Shire*	'
95.	Noosa Shire	
96.	Paroo Shire	
97.	Peak Downs Shire	*
98.	Perry Shire	*
99.	Pine Rivers Shire	
100.	*Pittsworth Shire*	'
101.	Quilpie Shire	
102.	Redcliffe City	
103.	Redland Shire	(2)
104.	Richmond Shire	
105.	Rockhampton City	
106.	Roma Town	
107.	Rosalie Shire	(2)
108.	Sarina Shire	(5)
109.	*Stanthorpe Shire*	'
110.	Tambo Shire	
111.	Tara Shire	
112.	Taroom Shire	
113.	Thuringowa City	
114.	Tiaro Shire	
115.	Toowoomba City	
116.	*Torres Shire*	'
117.	Townsville City	
118.	Waggamba Shire	
119.	Wambo Shire	
120.	Warroo Shire	
121.	Warwick Shire	
122.	Whitsunday Shire	*
123.	Winton Shire	
124.	Wondai Shire	*
125.	*Woocoo Shire*	'

Italic = no response received
' = not chased up - believed to have no problem
Bold = response received
* = no obvious problem
(#) = multiple responses received

3.2 Discussion of the questionnaire

Responses to the questionnaire are used as a basis for discussion throughout the remainder of this report.

This Section (Section 3) concentrates on the size of the problem, Section 5 *on Hydrological information, mapping, damage studies, mitigation and policy, Section 6 on Flood warning systems and counter disaster plans and Section 7 on The largest known flood - the effects on lifelines.*

An overall summary to the questionnaire results is given in Section 10.

Appendix 1 provides detail on responses from each LGA. This omits qualifying comments. The original forms and a spreadsheet of responses with included comments are held by the Department of Natural Resources.

Appendix 2 is a copy of the questionnaire with, where appropriate, indications of the responses to each question.

3.3 Interpreting questionnaire responses

Before presenting an analysis of the responses it is important to the note difficulties in designing a questionnaire to cover LGAs that differ in size from Brisbane City Council to remote locations in the north and west of the State that cover areas of several thousand square kilometres but have populations of only a few hundred. There are also difficulties in that the questions were designed to obtain information from LGAs that had undertaken hydrological and vulnerability studies as well as those that had no detailed information whatsoever.

The analysis presented below does not give detailed quantitative information for each section of each question on the questionnaire. However, Appendices 1 and 2 to the report present a summary of all questions from each questionnaire received.

Because of the comprehensive nature of the questionnaire, it was not possible for all respondents to provide answers to each question and sub-question. Therefore, the number of answers to each question varies. This is indicated by presenting the results to individual questions in the form of '55 of the 101 respondents'.

A limited number of questions were included that allowed LGAs to comment on whether they had a risk from storm (tide) surge. This was not intended to be a detailed survey but to gain some overall indication of the perceived size of the storm surge problem which has much in common with overland mainstream river flooding. The results for storm surge are discussed in Section 9.

3.4 Size of the urban flood problem

Ideally the first step in analysing the size of the urban flood problem in Queensland would be to present data on the numbers of buildings at risk from overground (or over-floor) inundation from both the designated flood (usually that associated with the 1 in 100 year event) and the probable maximum flood. The latter is rarely available in Australia or elsewhere and it is standard practice to use the 1 in 100 year flood to define numbers of buildings, see Section 1.2. However, in Queensland only a limited number of LGAs have undertaken the detailed

hydrological studies necessary to define this level, in such circumstances the best estimate (although far from ideal) can sometimes be obtained by considering the flood of record.

3.4.1 Definitions used to define the number of flood prone buildings

The questionnaire was designed to obtain information on numbers of buildings for both the *Largest recorded event* (Questions 4.4 to 4.7) and the *Total number of buildings flooded by the adopted designated event* (Questions 6.8 to 6.11). Where possible the respondents were requested to classify the number of buildings into residential, commercial, industrial and caravans (including mobile homes). In both cases information was requested from the best available data. In a limited number of cases this aspect of vulnerability was known in detail, eg. for Mackay and Charleville both based on detailed GIS studies of individual buildings, but for many other locations the size is often that of an educated guess.

In order to preserve comparability, the number of flood prone buildings are in terms of over ground flooding. This is because it is the simplest, and most commonly used procedure, to estimate the number of buildings located below the level of the 1 in 100 year flood. The numbers of buildings that would experience over-floor inundation would be considerably less. The importance of this distinction will be illustrated in section 4 with data from the Gold Coast.

There are also difficulties in whether the data are expressed in terms of 'buildings' or 'properties'. The questionnaire was quite deliberately worded in terms of 'buildings'. This was because the use of the word 'property' is often interpreted at local government level to represent a building block, with or without a building on it. The other problem is that in the residential sector a 'building' can sometimes contain more than one dwelling unit, for example when the building is divided into flats or apartments. For much of Queensland this is a not a serious problem. However, for some localities (the Gold Coast is a prime example), they can be a significant difference between the number of residential buildings and dwelling units. The difference is important both for assessment of potential flood losses and for the emergency services, i.e. in converting residential buildings to numbers of people in order to plan for emergency evacuation.

For consistency, the numbers below are expressed in terms of flood prone buildings liable to over-ground flooding and with no allowance for the conversion of residential buildings into dwelling units. Similar assumptions are made in comparable flood studies in Australia and elsewhere, and in the AWRC (1992) report. For floodplain and emergency management at local level the details of numbers of buildings flooded over-floor and the number of individual dwelling units are however, important.

To provide even a provisional estimate of the numbers of flood prone buildings in Queensland is a difficult task. Using the survey responses to arrive at a total figure involved assessing the following components :

- numbers of buildings given in direct response to Questions 6.8 to 6.11, i.e. where the flood problem was relatively easily described by a number in the questionnaire answer box (these are described in Section 3.4.2 and summarised in Table 3.2)

- numbers of buildings for LGAs that did not provide a direct answer to Questions 6.8 to 6.11; these were in two groups:

a) more complex responses where the flood problem was large or involved numerous catchments - typically the larger LGAs (responses for these are included in Section 3.4.3 and summarised in Table 3.4)

b) estimates for councils known to have large numbers of buildings at risk that did not respond to Questions 6.8 to 6.11, these are also given in Section 3.4.3 and summarised in Table 3.4,

- allowance for missing data (i.e. those not considered in Sections 3.4.2 and 3.4.3), these are given in Section 3.4.4.

For many of the authorities with a small number of flood prone buildings the estimates are taken directly from the questionnaire, the totals for these are given in Table 3.2. The detail can be obtained from the precis of the individual questionnaires given in Appendix 1. Those with a larger number of buildings at risk fall into two categories. Some have information based on detailed hydrological and vulnerability studies, others base their estimates on very poor quality data. The councils with larger numbers of buildings at risk, with either poor or good quality data, are listed in Table 3.4.

Thus, Table 3.4 lists those authorities with a substantial urban flood problem for which the numbers of buildings at risk were not given directly in response to Question 6.8 to 6.11. For many of the authorities in this category, numbers were not given because the information was too complex for a simple answer. For the two councils with the largest numbers of flood prone buildings, Brisbane and the Gold Coast, the problems of providing estimates are described in detail in Section 4. Where the number of flood prone buildings is poorly known this is indicated in Table 3.4. For these larger authorities a short description is given for each in Section 3.4.3.

Care has been taken not to double count estimates from the responses, given in Table 3.2, with those listed in Table 3.4. Attention however, is drawn to the number of flood prone buildings in the Nerang catchment of the Gold Coast. Initial, and provisional, Council estimates were given on the questionnaire but more detailed information was made available to the study at a later stage. In this instance, the initial estimate of 5,000 flood prone buildings given on the questionnaire has been omitted from the totals in Table 3.2 and the new estimate (of 16,650) added to Table 3.4.

Table 3.5 presents a consolidated ranked list, based on the information given in the questionnaire responses and from the data in Table 3.4. Of the twelve councils in Queensland that have the largest number of buildings at risk from urban flooding to the level of the 1 in 100 year flood event.

3.4.2 Numbers of flood prone buildings – reported in the questionnaire

The response to Questions 6.8 to 6.11, which requested the best estimates of the number of buildings at risk from flooding to the level of the designated flood, provided direct information for 34 urban locations from 23 LGAs. The totals for these locations are given in Table 3.2.

Table 3.2 Total number of buildings at risk from flooding to the level of the designated flood, direct responses to Questions 6.8 to 6.11

Number of buildings				
Residential	**Commercial**	**Industrial**	**Caravans (mobile homes)**	**Total**
7,189	345	217	474	8225

The provisional estimate for the Nerang Catchment given in the questionnaire response by the Gold Coast City Council has been omitted from Table 3.2.

The poor number of direct responses to this question is perhaps not surprising, this is because only 43 out of the 108 locations reporting to have carried out a 'flood' study in the questionnaire (Question 6.1), have designated flood levels.

There is also a difficulty in converting these data to number of buildings liable to flood from the 1 in 100 year event. This is because there are variations between the locations in the definition used for the designated flood. These variations are summarised in Table 3.3.

Table 3.3 Definitions of the designated flood, based on Question 6.5

Designated floods (numbers of LGAs)			
1 in 100 year	**1 in 50 year**	**Below 1 in 50 year**	**Flood of record**
27	11	4	2

The four locations that used a value below that of the 1 in 50 year have a variety of levels for the designated flood. For example, Ipswich uses the 1 in 20, Mt Isa the 1 in 15, Townsville the 1 in 10 and Hinchinbrook the 1 in 3 year level. Such criteria would not be acceptable by those States and nations that have urban floodplain management guidelines or regulations. Beaudesert and Mirani use the flood of record.

A further complication is that for some councils the designated flood level varies, for instance different criteria for mainstream and creek flooding. Examples of this kind are provided by Laidley and Logan.

There is also a problem in distinguishing between 'commercial' and 'industrial' buildings and for the overall State summary it is recommended that the two are combined into a single class. Any subsequent survey should aim to list major flood prone industrial complexes.

An example from Gladstone indicates that much of the large port complex is at risk from flooding, and for Brisbane industrial flood damage would be large.

3.4.3 Estimates of the number of buildings NOT included in the direct responses to Questions 6.8 to 6.11 and for which information is known to exist

The most significant feature of the response to the questions that describe the number of buildings at risk from the designated flood is that many of the LGAs with a known flood risk

provided no information (ie did not complete Question 6.8 to 6.11, by reporting the number of buildings flooded to the level of the adopted designated flood). Table 3.4 lists estimates from other sources for many of the missing LGAs known to have a significant number of buildings at risk.

Also included in Table 3.4 are figures for those LGAs, such as Gold Coast and Brisbane, which were unable to provide a response by simply entering a number in answer to Question 6.8 to 6.11 but did however provide detailed data.

Table 3.4 Estimates of the number of buildings at risk for LGAs not completing Question 6.8 to 6.11

Local Government Authority	Number of buildings to 1 in 100 year level
Mackay	8, 500
Brisbane (Brisbane River and Creeks)	8, 000
Gold Coast	
Nerang catchment	14,650
Other catchments	2,000 ± 1,000
Dalby	3, 300
Ipswich (All catchments)	*3, 000
Charleville	1, 350
Rockhampton	1, 200
Burdekin	*1, 000
Total	**43,000**

* Poor quality estimates

An outline to the sources for each of the locations listed in table 3.4 is given below.

Gold Coast

Revised estimates for the Gold Coast based on detailed studies for the Nerang catchment (available after the questionnaire was completed) are discussed in detail in Section 4. The figure used in the estimates of numbers of buildings at risk in Table 3.4 (i.e. 14,650) is for 400 commercial and 14,250 'residential properties'. The Gold Coast is unusual in the large number of 'residential properties' (this equates to buildings) that contain a number of individual 'dwellings', i.e. multi-occupancy as flats or apartments, are relatively common. The number of 'dwellings' is estimated to be 28,600 ±2,000. For reasons of consistency, the figure of 14,650 has been used in Table 3.4.

Other catchments in the area administered by the Gold Coast City Council also contain urban flood prone land, studies for these is less complete than for the Nerang catchment The Council provisionally estimates a combined total of 2,000 ±1,000 flood prone buildings for the remaining catchments.

Mackay

A study of storm surge for south and north Mackay (the latter was then in the Pioneer Shire) also provided a building by building data base that could be used to estimate the numbers liable to flood from the Pioneer River, see Smith and Greenaway (1994). The problem for the estimation of mainstream flooding is that precise definition of the 1 in 100 year flood is not available (i.e. extent and slope). Despite this limitation, the combined estimate for south and north Mackay for residential, commercial and industrial buildings is 8,500 (to the level of the 1 n 100 year flood).

Brisbane

Details of the estimates for the main Brisbane River (post-Wivenhoe Dam) and for the various creek catchments in the area administered by the Brisbane City Council are given in Section 4. The favoured official figure is about 8,000 (all types of buildings) although there are reasons to consider that this may be an under-estimate. There is no doubt that some very large industrial enterprises are included. With the completion of a revised hydrological study, currently in progress, for the Brisbane River and the impending AGSO Cities Project study of vulnerability these estimates will be greatly improved.

Ipswich

Information for Ipswich is poor, although detail is known for Bundamba Creek, one of the sub-catchments. Based on the 1974 flood, 2,500 buildings were flooded. Although this would come close to a 1 in 100 year event such data are over twenty years old and with a 1 in 20 year designated flood level it is certain that the current number of buildings at risk would be larger, hence an estimated total of 3000 has been adopted.

Dalby

A Flood Management Study was commissioned by Dalby Town Council, after a series of major floods in the early 1980s. That study forms the basis for the estimation of the number of urban buildings at risk. Of the total of 3,300, about 400 are used for commercial or industrial purposes.

Charleville

Extreme floods occurred over a wide area of western Queensland in April 1990 and this led to detailed studies of the flood hydrology and of the vulnerability of the community affected. The study is reported in the *Western Queensland Flood Study*, Camp, Scott and Furphy (1991) The largest of the urban communities was Charleville which was estimated to have 1350 buildings within area subject to the 1 in 100 year flood. Of these, 1225 were residential and 125 commercial.

Rockhampton

Detailed consultant studies are available for the City of Rockhampton and these include estimates of the number of buildings, see Camp, Scott and Furphy (1992). However, these were not reported in the questionnaire and a provisional figure of 1,200 is used. Further detail could be obtained from the flood studies available to the council.

Burdekin

Unfortunately questionnaire information from Burdekin is lacking. Urban locations within the area administered by the council are thought to have a significant flood problem, especially for low probability flood events. The number of 1,000 is merely indicative of the size of the problem.

Combining the questionnaire results, consolidated in Table 3.2, with those in Table 3.4 gives a provisional estimate for the number of flood prone urban buildings in Queensland at the 1 in 100 year flood level. The total is close to 51,000, this combines residential, commercial, industrial and mobile homes. A ranked list of the twelve most flood prone LGAs, based on the questionnaire and Table 3.4, is presented in Table 3.5.

Estimates of the number of buildings liable to inundation for floods of greater severity than the 1 in 100 year event are discussed in Section 3.5 and summarised in Section 3.6.

Table 3.5 A list of the twelve LGAs with the largest number of buildings at risk from the 1 in 100 year flood

Local Government Authority	Number of buildings[1]
Gold Coast	16,650
Mackay	8, 500
Brisbane	8, 000
Dalby	3, 300
Ipswich	3, 000
Logan	2, 375
Hinchinbrook	2, 175
Charleville	1, 350
Rockhampton	1, 200
Burdekin	1, 000
Cairns[2]	728
Caboolture	455
TOTAL	**48,733**

1 Includes residential, commercial, industrial and caravans

2 Limited to the extent of the former Mulgrave Shire, riverine flooding in the area of the former Cairns City is, in comparison, limited (refer Section 9 for surge inundation estimates for Cairns and other coastal centres)

3.4.4 Missing data

The total of 51,000 buildings at risk from flooding at the 1 in 100 year level is not fully inclusive. As indicated, some of the questionnaire responses are for a designated flood that is lower than the 1 in 100 year flood level (and as a consequence are an underestimate of the

number of properties at risk from the 1 in 100 year flood). It should be noted however, that the estimates in Table 3.4 are for the 1 in 100 year flood.

There remains the problem of LGAs who did not complete Ques 6.8 - 6.11 (Table 3.2) and for which estimates are not given in Table 3.4. It is unlikely that, to the level of the 1 in 100 year flood, any of the missing LGAs have exceptionally large numbers of flood prone buildings, say more than 500 at any single location. Even this statement needs caution as the very large numbers for the Gold Coast were unknown until recently, the size of flood risk at Mackay was not appreciated until the storm surge study undertaken in 1991 and Charleville was not thought to have a serious flood risk until the floods of 1990.

Further, the floods of early 1997 drew attention to a number of relatively small urban locations that had previously been considered, erroneously, as flood free. It is also salutary to note that whenever detailed, building by building, surveys are undertaken, the size of the problem increases over that for earlier estimates! This certainly was the case for New South Wales as building by building surveys replaced the original estimates provided by Councils. Undoubtedly, future floods will provide similar surprises.

3.4.5 Overall estimate of the number of flood prone buildings in Queensland

The estimate, given above, of 51,000 buildings at risk from the 1 in 100 year flood need modification to account for the missing and incomplete data indicated above.

A cautious estimate would be 60,000 but it is considered more likely that, if and when local urban flood studies are complete, that the number could be nearer to 65,000. It is also pertinent, to stress that without basic hydrological information and designated floods for planning purposes that the number is increasing year by year.

3.5 Probable maximum flood

Comprehensive studies of urban flood damage should consider the potential impact of the probable maximum flood (PMF). This is not in order that the limits of the PMF should be used as a designated flood for planning purposes but it is necessary in order to evaluate potential flood damage, the risks of building failure and to provide the emergency services with information to enable reduction in flood losses, especially the risk to life. The need is to estimate PMF although it is stressed that for many localities the increased risks could be relatively small, the significance is that for other locations the risks could be high. The background to the need for PMF information is given in Section 1.5.3.

3.5.1 PMF and the questionnaire

The lack of hydrological studies for most prone locations in Queensland is such that data on the extent of extreme events are often lacking. Only about 20% of responses (23 out of 108) indicated that they have data on the discharge of the flood of record. Such information is of course, invaluable for the subsequent estimation of the PMF.

Ques 6.3 specifically asks '*... has the PMF discharge been estimated'*, less than 10% of the respondents (11 out of 109 replies) indicate that they had; examples of those that have such information are St George, Bowen, Gladstone and Rockhampton. Only 8 of the 10 with PMF discharges have converted the data into map form, LGAs that have include Cairns (Mulgrave), Noosa, Pine Rivers and Redland.

The questionnaire did not ask whether hydrological studies had included estimates of over-floodplain velocities, but it is extremely unlikely that this has been undertaken by more than a handful of authorities. Logan is one example that has information on velocity which has been used to assess the likelihood of building failure.

It is clear that, with few exceptions, information on the PMF or extreme floods (i.e. those in excess of the 1 in 100 year event) is not normally available. To follow best practice, estimates of flood discharges up to and including the PMF, their areal extent and over-floodplain velocities should be incorporated into all hydrological studies for flood prone urban locations.

This applies to existing urban developments and, equally important, for those yet to be developed above the level of the designated flood. It is crucial that the community perception does not consider that areas above the designated flood, regardless of its annual recurrence interval, are flood free. The PMF and velocity information are of significance for the emergency services and are necessary to establish comprehensive flood loss data for use in any form of cost benefit analysis. Often insurance companies are one of the few institutions to take cognisance of the risks involved from such extreme events.

Although detailed data are uncommon, there is little doubt that a near PMF for locations with a high flood range would result in structural building failure especially for many existing residential developments. Ipswich is one such example, some 30 dwellings failed during the 1974 flood and an event of greater magnitude would dramatically increase the number of such failures. This would clearly, pose a very real risk for loss of life.

3.5.2 Probable maximum flood – buildings at risk

Precise estimates of the number of buildings at risk from flooding to the level of the PMF are rarely available in Australia or overseas. Such studies in Australia are restricted to a limited number of urban flood prone communities in New South Wales.

Currently there are no detailed estimates of the numbers of buildings at risk from PMF or extreme floods for any location in Queensland.

Thus, evaluation of the risk to buildings above the level of the 1 in 100 year flood is essentially unknown. The account below attempts to describe the problem and its likely significance.

3.5.3 Increases in the number of flood prone buildings at the level of the probable maximum flood

The AWRC (1992), and earlier reports, specifically limit the numbers of flood prone buildings to those at risk from the 1 in 100 year event. This is done for the very good reason that few maps exist that show flood lines for events that exceed the 1 in 100 year level. Indeed, the only examples that consider this problem in any detail have been produced by CRES at ANU, see Smith (1991). A detailed account of these studies is given in Appendix 3.

For the case studies discussed in Appendix 3, (the Hawkesbury-Nepean region of western Sydney, the Georges River and Prospect Creek in Sydney, Queanbeyan in inland New South Wales and Canberra) the number of buildings subject to inundation at the level of the PMF are three to six times greater than the number for the 1 in 100 year flood event. The increases in flood height from the 1 in 100 year flood to the PMF for these localities are in the range from about 3 metres to greater than 10 metres. The larger the flood height range, the larger

the increase in the number of buildings at risk when compared to those for the 1 in 100 year flood event.

Table 3.6 lists a selection of flood prone locations in Queensland known to have large height ranges. Although local site factors are significant, it is likely that increases in the number of buildings subject to inundation from a PMF would be comparable to those for the examples listed above in New South Wales and the ACT.

Table 3.6 Increases in flood height from the 1 in 20 to 1 in 100 year flood for a selection of Queensland towns

Ipswich, Brisbane-Bremner River	15.0+m
Kenilworth, Mary River	7.0 m
Gympie, Mary River	12.0 m
Taroom, Fitzroy River	7.0 m

The increases are related to the valley topography but are exacerbated by development guidelines that use the 1 in 100 year event as the definition of flood prone. This is because once floods exceed the 1 in 100 year level a large number of buildings, located just above the 1 in 100 year line to conform with development regulations, are inundated.

Of significance for urban locations with large flood ranges is the depth of inundation experienced by buildings that are located at, say, the 1 in 50 year level. These will have water over their rooves for near PMF events. It is this factor which is largely responsible for structural failure.

It is important to stress that all the case studies in Appendix 3 and in Table 3.6 are for locations which have relatively high flood level ranges. Such effects are not universal or even widespread. For example, they would be insignificant for most inland locations in New South Wales, along the Murray, in Adelaide and for most of Tasmania and Western Australia. However, high flood ranges occur in Ipswich, much of Brisbane and for some of the coastal flood locations in New South Wales and Queensland.

Attempts to allow for the markedly increased damage for locations with high flood ranges will be made in Section 8. Suffice it to say that such effects must be considered if the aim is to obtain realistic damage estimates on which to base flood mitigation strategies and their cost benefit ratios.

3.6 Probable maximum flood – summary

The responses to the question 6.3 illustrate the paucity of PMF data for Queensland, less than 10% had estimates of the PMF discharge and even fewer had converted this to maps showing the extent of the PMF event. There is clearly, an urgent need to consider the impacts of extreme floods to the level of the PMF. This is necessary to improve both the effectiveness of the emergency services to reduce all forms of loss from such extreme events and as a basis for

acceptable and comprehensive cost benefit analyses of flood mitigation measures to lessen the losses to existing flood prone developments, especially those below the level of the 1 in 100 year flood.

Background data from New South Wales for locations with moderate to high flood height ranges, have been used to illustrate the nature of the problem (see Appendix 3). As a preliminary (and conservative) value it is not unlikely that the number of buildings in Queensland liable to inundation from the PMF are up to three times the number at risk from the 1 in 100 year flood event, i.e. close to 200,000 buildings.

Given the overall lack of PMF data for Queensland, it would be necessary to prioritise those LGAs with the major risk, ie those with a moderate or high flood ranges. The most significant of these is Ipswich, other locations include Brisbane River, Logan River, Mary River, and Taroom with others selected in consultation with the Bureau of Meteorology. Once the discharge and areal limits of the PMF are available, ideally with estimates of over-floodplain flow velocities, the risk of building failure could be assessed.

The selection of designated flood levels for urban floodplain management should incorporate the analysis of the effects of extreme floods especially for those localities that are known to have a high flood range. In some cases it would be inadvisable, if only on the grounds of safety, to use the 1 in 100 year flood for such purposes.

4

Brisbane and the Gold Coast

4.1 Brisbane and the Gold Coast

Brisbane City and Gold Coast City Councils completed the questionnaire circulated to all Queensland LGAs. However, in both cases the responses were limited to individual river catchments, the main Brisbane River and (for the Gold Coast) the Nerang catchment. As both councils have particularly large and complex urban flood problems interviews were held with senior staff to gain further information on the other flood prone catchments in their areas of jurisdiction. This section reports on the overall problem for both councils, first for Brisbane and then for the Gold Coast.

For Brisbane, the current study had access to an extensive series of reports of flood studies undertaken for the Creek catchments over many years. The section below combines this information with that given in the questionnaire for the main Brisbane River.

The Gold Coast also has a number of separate catchments, many of which contain major flood prone urban developments. Until the last year or so information on flood risk and vulnerability was not known in any detail, however comprehensive studies for the Nerang catchment were made available after the completion of the questionnaires. For the other catchments similar studies are not yet fully complete and the information reported below is limited to an outline of the likely situation. The flood studies for the other Gold Coast catchments, have yet to be finalised.

4.2 The flood problem for Brisbane

The Brisbane floods of the Australia Day week-end of 1974 still represent the most severe example of urban flooding in Australia, with an estimated damage bill of at least $200m at 1974 values. It is important to note that this widely quoted figure, based upon the SMEC (1975) flood study does not include the severe flooding of the Bremer River or of the Brisbane creek catchments. Even before the 1974 flood, inundation maps were available for parts of Brisbane and subsequent to the event Brisbane City Council embarked on a major series of flood studies for the creek catchments followed, in many cases, by the construction of flood mitigation works. Flood information on flood hydrology for the Brisbane Creeks is likely the best for any major metropolitan area in Australia. From the late 1970s, the City Council has progressively imposed land use controls and building regulations for new developments in flood prone areas.

The flood problem in Brisbane has two major components, flooding along the main stream of the Brisbane River and flooding in the smaller catchments, many of which are tributaries to the Brisbane River. This second category is often referred to as 'Creek flooding', some 26 separate creek catchments are recognised although many of these are conveniently grouped into larger catchments. The relationships between the Brisbane River and the Creeks are illustrated in Figure 4.1.

The questionnaire completed by Brisbane City Council, and the data reported in the Tables in other sections, relate solely to flooding along the main channel of the Brisbane River. The Creek catchments that pose major flood threats to buildings and infrastructure are named on Figure 4.1.

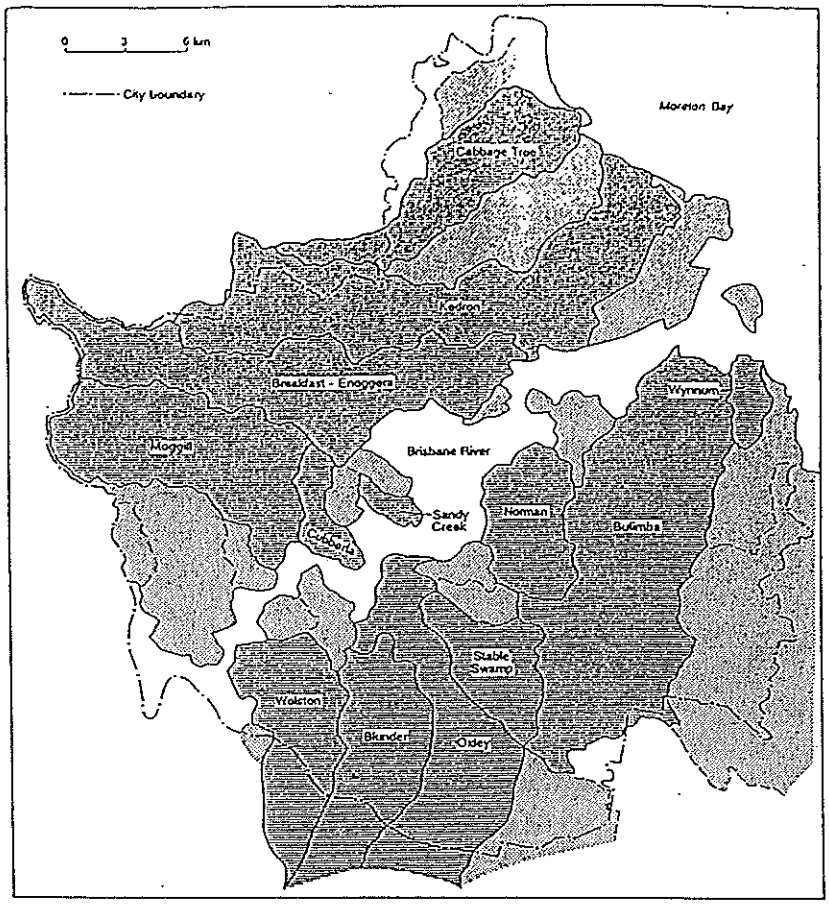

Figure 4.1 The Brisbane River and creek catchments in the area administered by Brisbane City Council

The nature of the flood risk differs markedly between the main river and the Creeks. The most significant difference is in the time interval between rainfall and downstream flooding. Oxley Creek is the largest of the Creek catchments with a length of about 53 km, the corresponding values for the other major Creeks are Bulimba at 41 km, Kedron 27 km, Breakfast/Enoggera 24 km, Cabbage Tree 23 km, Moggill 22 km and Norman 13 km. Carroll (1991), in a study of the warning times and flood forecasting in the Brisbane region, estimated that the time between rainfall and downstream flooding is about 18 h for Oxley Creek with all the other creek catchments having times of nine hours or less. Carroll estimates the effective warning time for Oxley Creek to be about 11 hours, for all the other catchments the effective warning times are 5 h or less. For Wynnum, one of the smaller creeks, the effective warning time is less than an hour.

These relatively short warning times contrast to the main Brisbane River where the warning times are in the range 12 - 24 h, for the 1974 floods the Creeks peaked more than 24 h before

the main river. The differences between the times for the main Brisbane River and the Creeks is significant for measures designed to reduce risk of life and contents damage to dwellings and to commercial and industrial enterprises.

4.2.1 Problems with the assessment of flood vulnerability

Hydrological information for the Creeks is excellent and is used to define flood regulation lines on which land use and building controls are based. The only shortcoming is that detailed information on the number of buildings at risk from flooding is not known. This stems from the problem that, although both flood data and property boundaries are combined into a long established and well designed GIS for the whole of the region administered by the Brisbane City Council, there is no differentiation between those blocks on which there is a building and those that have not been developed. It is likely that this deficiency will be addressed in the near future as a part of the Australian Geological Survey Organisation (AGSO) Cities Project. Once such building information is incorporated into the GIS, the ability to use the data base for emergency management will be greatly enhanced.

This restriction on information on the type and number of flood prone buildings applies to both the Brisbane River floodplain and to the Creeks. For the main river, and for some of the Creeks, the earlier flood studies estimated the number of buildings at risk. For the main river these were based on the data collected by the SMEC (1975) study, those for the Creeks were much less precise although some have been revised on the basis of additional field studies. This is the case where economic assessments were undertaken in order to evaluate the costs and benefits of a range of floodplain mitigation options many of which were of a structural nature. To undertake such analyses it was necessary to assess flood damage under current conditions and this required data on the number and type of existing buildings. However, progressively the Creek studies were restricted to assessment (or re-assessment) of the flood hydrology and the evaluation did not include assessment of structural mitigation options.

Thus, information on the numbers of buildings at risk from flooding in Brisbane is not consistent across the catchments. This has been further complicated by other factors. These include:

- increases in upstream flood storage after the completion of the Wivenhoe Dam in 1985, this decreased downstream flood risk for the floodplain of the Brisbane River,
- in several of the Creek catchments structural works have lessened the flood risk
- the possibility of construction of new developments in flood prone locations.

Each of the factors is considered below.

4.2.2 The effects of the Wivenhoe Dam

The extra flood storage provided by the Wivenhoe Dam undoubtedly reduced downstream risk but the widespread community perception that it eliminated the flood problem is false. Data reported in CRCE Water Studies (1986), reproduced here as Table 4.1, provide estimates of the changes in risk for the Brisbane River floodplain due to enhanced upstream dam storage and compares the 1974 flood data to that for a re-run of that event under post-Wivenhoe conditions. These data suggest that the mainstream flooding for a 1974 event (close to the 1 in 60 year event) under current conditions would affect 4,900 dwellings and 1,600 commercial and industrial enterprise. It is estimated that the peak height of the 1974 flood in central Brisbane would be reduced by 1.45 m.

Table 4.1 Effects of Wivenhoe Dam on 1974 flood levels and damages for the Brisbane and Ipswich areas. From CRCE Water Studies (1986)

	1974 Flood Pre-Wivenhoe	1974 Flood Post-Wivenhoe
Flood height (AHD) Brisbane City gauge	5.45	4.00
Flooded houses	9,800	4,900
Flooded commercial/industrial enterprises	2,700	1,600
Total damage (10^6 at 1974 values)	180	80

A re-assessment of flood hydrology for the Brisbane River is listed as a priority by Brisbane City Council and is currently in progress. Studies are also in progress to re-assess the flood hydrology of Oxley and Wynnum Creeks. It is Council policy to re-assess the hydrology of the Brisbane Creeks on a 15-year cycle. This enables the effects of developments to be incorporated, offers the opportunity to utilise additional runoff and rainfall data and ensures that best practice techniques are employed. It needs to be stressed that developments that effect urban runoff are not restricted to buildings within the flood prone parts of the catchments but include a wide range of changes to land use modifications throughout the Creek catchments.

The policy of a 15-year rolling cycle of hydrological studies is to be commended and is not generally practised elsewhere in Australia or overseas.

4.2.3 Effects of structural works

The Creek catchments contain residential, commercial or industrial buildings constructed before floodplain management policies were introduced to regulate development in flood prone locations, in some cases before susceptibility to flood risk was known. Post-1974 flood mitigation studies were undertaken for these catchments, and where economic and physical factors allowed, a range of structural measures were undertaken to reduce flood risk. Thus, early estimates of the number of buildings at risk from a re-run of the 1974 event have now been reduced. Precise information on the numbers of buildings involved are not known but locally these could be substantial.

An evaluation of the reduction of flood risk due to structural mitigation works is available for the Norman Creek catchment. The initial study, entitled the *Norman Creek Flood Mitigation Report* was undertaken by Brisbane City Council (BCC, 1984). This noted that some 300 dwellings and 300 commercial enterprises were liable to flooding for a 1 in 100 year flood, the definition of flooding was over-ground level. On the basis of this study structural works were undertaken. A further study to assess the changes in hydrology due to the works was reported in the *Norman Creek Flood Study* (Connell Wagner, 1995). This study concluded that the estimated reductions in flood height due to the implementation of the works recommended in the BCC (1984) report were attained. The reductions in the height of the flood peaks vary throughout the catchment but in some locations achieved values in the range of 0.8 to 0.9 m. The 1995 study did not attempt to convert these changes in flood magnitude and frequency to economic gains but the original study in 1984 considers that these could amount to approximately half of the pre-works average annual damage.

Studies of this kind, i.e. that compare reality against original design, are unusual and this example for Brisbane is testimony to the high standard of the flood studies over the last twenty years.

4.2.4 Possibility of new flood prone buildings

The standard of flood hydrology in Brisbane is matched by the implementation of regulations to restrict development in areas of known flood risk. However, there is always the possibility that some developments have escaped enforcement of such regulations, particularly in the early years, if only because the limits of flooding were imperfectly known for the Creeks. Overall it is unlikely that there have been significant increases in the numbers of flood prone buildings in the area administered by the Brisbane City Council over the last twenty years or so. The reply to the questionnaire by Brisbane City Council, restricted to the main Brisbane River, lists a total of 6,027 buildings to the level of the designated flood (1 in 100 years) but comments, 'based on 1975 data – could be more houses affected now'.

4.3 Estimates of flood prone buildings in the floodplains of Brisbane river and creek catchments

The lack of information on the number of flood affected buildings and the problems of change with time, outlined above, restrict the provision of quantitative data on the size of the flood risk. A summary of the estimates is presented in Table 4.2, together with an indication of the date of the assessment. The details of the flood studies for the creek catchments are given in Appendix 4, they are not reported in the list of references. These present a complex picture which is discussed below.

First, Table 4.2 demonstrates the familiar problems associated with such estimates. They are limited to the risk from either the 1 in 100 year event or the flood of record (in this case the 1974 event) and it is not always clear if the numbers refer to above ground or above floor flooding. In recent years, the studies of flood hydrology commissioned by Brisbane City Council have included estimates of the magnitude of the probable maximum flood and over-floodplain velocities. Thus, when the data for the flood free buildings are fully combined with the City's GIS it will be a relatively simple matter to define precisely the vulnerability to flood in terms of ground or floor level and in terms of any flood frequency from 1 in 5 year to that for the probable maximum flood. It will also be possible to assess liability to potential structural failure of buildings in response to flood depth and velocity, information that is often lacking elsewhere. A listing of many of the major hydrological studies for the Brisbane Creek Catchments undertaken over the last 15 to 20 years is given in Appendix 4.

The official estimates supplied by the Brisbane City Council in the early 1990s, as a contribution to *Floodplain management in Australia* (AWRC, 1992, p.145), are described as follows:

> There are some 3,800 properties in Brisbane and Ipswich subject to flooding from the Brisbane River by the current 100 year ARI event. Brisbane City Council also estimate that there are some 6,000 properties in Brisbane (5,000 residential, 1,000 other) subject to major creek flooding. Some properties may be subject to both major creek flooding and Brisbane River flooding. It was assumed that 8,000 properties in the Brisbane metropolitan area were subject to 100 year flooding by either the Brisbane River or major creeks.

These data should be regarded as presenting a very general picture and are likely to be under-estimates.

Table 4.2 Estimates of number of flood prone buildings in the Brisbane region

	Residential	Commercial and Industrial	Total
Brisbane River* (SMEC, 1975)			
Pre-Wivenhoe			
4.0 m (1 in 28 yrs)	4941	1569 (+206)+	6716
6.0 m (1 in 60 yrs)	11614	3125 (+515)+	15284
Brisbane River* (Water Studies CRCE, 1986)			
Post-Wivenhoe	4900	1600	6500
Brisbane Creek catchments (BCC, 1977)			
Oxley		1500	1500
Enoggera/Breakfast		1100	1100
Kedron		1100	1100
Bulimba		50	50
Norman		50	50
Other creeks less than 50 buildings		-	-
Creek catchments from flood mitigation studies			
Oxley (BCC 1981)		1500	1500
Norman (BCC, 1987)	300	300	600
Cabbage Tree (Kinhill, 1991)	617	105	722
Bulimba (Connell Wagner, 1992	475	25	500
Brisbane (BCC estimates from AWRC 1992)			
Brisbane River (Post-Wivenhoe Dam)		3800	3800
Brisbane Creek catchments	5000	1000	6000
Brisbane overall (allowing for Brisbane Rivers and Creeks)		**8000**	**8000**

* Brisbane River and lower reaches of creeks, includes estimate for Ipswich
\+ Miscellaneous buildings

4.3.1 The SMEC flood study

The SMEC (1975) study of the Brisbane floods was the first study of its kind in Australia to accurately assess the number of buildings at risk from flooding and to combine this with stage-damage curves to provide an assessment of flood damage. A summary table from that report (SMEC, p.65, 1975) is reproduced here as Table 4.3. It is important to note that this relates only to flooding from the main Brisbane River although the numbers include buildings located in the lower reaches of the Creek catchments that would be flooded from the main river as well as from any separate floods from the upper reaches of the Creek catchments (at a slightly different time). The flood height (at the City gauge) for the 1974 flood was 5.5 m which gives approximately 15,000 buildings that experienced inundation over ground level,

with most flooded above floor level. For an 8.0 m (1 in 110 year) flood the corresponding number is about 23,500.

Table 4.3 Numbers of buildings affected by various heights of flooding of the Brisbane River, from SMEC (p.65, 1975)

Flood height m	Recurrence interval	Commercial buildings	Industrial buildings	Residential buildings	Miscellaneous buildings	Total
2.0	1 in 11 yrs	165	64	208	32	469
4.0	1 in 28 yrs	708	861	4,941	206	6,716
6.0	1 in 60 yrs	1,230	1,925	11,614	515	15,284
8.0	1 in 110 yrs	1,664	2,615	18,461	786	23,526
9.0	1 in 150 yrs*	1,883	2,879	21,403	889	27,054

* Approximate, interpolated from data in SMEC (1975).
NOTE: Flood frequencies are post-Somerset Dam but pre-Wivenhoe Dam

The flood peaks correspond to the pre-Wivenhoe Dam situation although the flood peak was lower than under pre-1950s conditions due to the flood storage effects of the Somerset Dam. The data which correspond to a re-run of the 1974 event (post Wivenhoe dam), are a city gauge height of 4.0m,and total buildings of 6,716 (see Table 4.2).

There are other features of Table 4.2 which require additional comment. These include:

- all the estimates for flood prone buildings in the Creek catchments that have been updated with field studies show very significant increases from those based on earlier generalised information
- the problem of numbers of flood prone buildings for Ipswich

4.3.2 Increases with detailed field studies

Detailed field estimates of the number of buildings at risk for the Creek catchments are available for Norman (BBC, 1981), Cabbage Tree (Kinhill, 1991) and Bulimba (Connell Wagner, 1992). These all report significantly larger numbers that those in the provisional data of 1977. For example, the early estimates for Bulimba and Norman for the 1 in 100 year flood were both for 50 buildings but the detailed studies increase the listing to 600 and 500 buildings with over-ground flooding respectively. For Cabbage Tree the provisional estimate was for less than 50 buildings but with a field survey this increased to 722.

These discrepancies match experience elsewhere in Australia, that is provisional estimates seem always very much smaller than those found from field surveys of buildings.

Part of the discrepancy in Table 4.2 stems from the difficulty that the lower reaches of the Creek catchments are also subject to inundation from the main Brisbane River, further complicated by tidal and possibly storm surge associated with tropical cyclones which would, in many cases, be the trigger for severe rainfall and flooding. The effects of tides and surge

have been incorporated into all recent hydrological studies commissioned by the Brisbane City Council but these rarely list the number of buildings at risk.

4.3.3 Numbers of buildings in Ipswich

Ipswich is inundated by floodwater from the Bremer River catchment but the flood height is effected by the height of the of the flood in the Brisbane River. The relationship between the two is complex and varies considerably from flood to flood, see SMEC (1975, p.25). For Ipswich, in contrast to Brisbane, there are no detailed hydrological studies or assessment of the number of flood prone buildings, although it is understood that such studies are currently in progress.

Chamberlain *et al.* (p. 9, 1981) report that for the flood of 1974:

> Ipswich City Council records show that over 1,800 buildings in that city, residential and commercial, were completely or partially inundated. Forty-one dwellings were swept away, 620 were completely submerged, and 974 partly submerged. Water entered about 200 other properties, though the buildings were not flooded [indicating over-ground but not over-floor flooding].

Thus, for the 1974 flood (close to a 1 in 100 year event for Ipswich) the number of buildings of all kinds flooded over ground was about 2,000.

These figures are now over twenty years old and, because Ipswich City Council regulations only prohibit new developments below the level of the 1 in 20 year flood event, the number of buildings currently at risk is likely to be much larger. The effect of Wivenhoe Dam at Ipswich would be restricted to the effects of the lowered tail water levels where the Bremer River joins the Brisbane River

4.4 Summary – number of flood prone buildings for Brisbane

Notwithstanding the generally excellent standard of the flood hydrology for both the Brisbane River and the Creek catchments, there are problems in providing detailed estimates for the number of buildings at risk from flooding. These are outlined above and include changes to flood risk due to mitigation works which vary in size from the Wivenhoe Dam to numerous minor structural works on many of the Creeks and lack of detail for developments described in section 4.2.4.

There are grounds for considering the official AWRC (1992) number of 8,000 buildings as given in Table 4.2 to be underestimates. The actual number could be considerably larger, based on supposition, perhaps by a factor of two.

The AGSO Cities Project, which commenced in late 1996, will focus on Brisbane as its major case study and will provide much improved information of the flood risks to buildings and infrastructure. As outlined above, the hydrological data base for the area administered by the Brisbane City Council is excellent but the need is to link this to GIS data for buildings and infrastructure. Such information will be of major value for emergency management and will also enable the further flood mitigation options, especially those of a non-structural nature, to be evaluated. The application of detailed regulations for the development of buildings and structures within the known flood prone areas have been in place for many years.

4.5 The flood problem for the Gold Coast

In this report the Gold Coast region equates to the area administered by the Gold Coast City Council and includes urban areas located in the catchments of the Logan, Albert, Coomera, Pimpama and Nerang Rivers together with a number of small catchments that drain directly into the Pacific Ocean. Prior to amalgamation in 1995 the region was under the jurisdiction of two local government authorities, namely Albert Shire and Gold Coast Council. As is commonly the case in Australia the river catchment boundaries are not coincident with those for local government and for the Logan and Albert Rivers upstream portions of the catchments remain the responsibility of other councils. For the Gold Coast region, this posed particular problems prior to recent amalgamation. An outline map of the major catchments and their relationship to the boundaries of the Gold Coast City Council are illustrated in Figure 4.2.

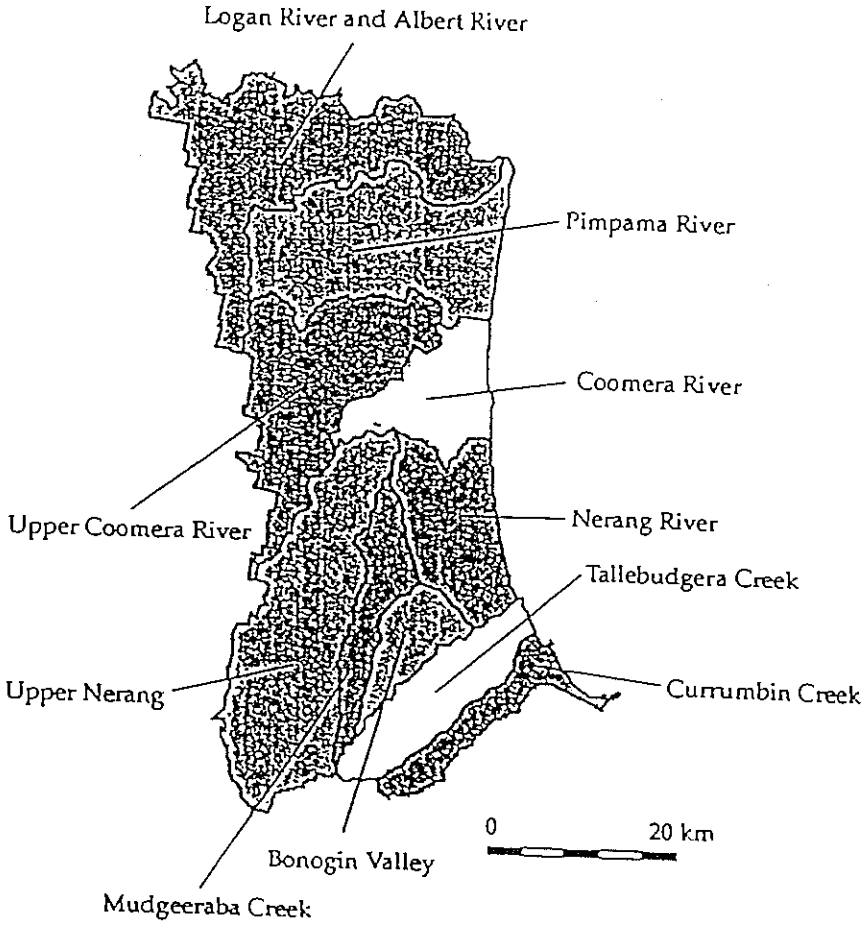

Figure 4.2 Gold Coast catchments

Based upon existing State government modelling, flooding for the Gold Coast region, in terms of the number of buildings, represents one of the largest single concentrations of urban flood risk in Australia. It is also noteworthy that the risk to the residential sector is exceptionally large.

There is abundant historical evidence of the stage height and extent of flooding in the Gold Coast region. A summary of these events is given in the *Logan and Albert Rivers Flood Warning System* (BOM, 1992). The floods of January 1887 and January 1974 represent the largest floods of record although for the former information is less detailed especially as regards the areal extent of inundation. The gauge height and extent of the 1974 flood, which was a major event throughout much of Queensland and New South Wales, is however well recorded and was subsequently mapped in detail for the Albert and Logan River floodplains by the Queensland Water Resources Commission. Maps of inundation for the 1974 flood also exist for the Pimpama, Coomera and Nerang Rivers as well as Tallebudgera and Currumbin Creeks, although the detail is less precise.

For the Nerang River system the January 1974 flood is estimated to have an annual recurrence interval of about 1 in 65-70 years. For the Coomera, Logan and Albert Rivers the 1974 flood is considered to be greater than the 1 in 100 year flood. It is pertinent to note that the 1887 flood was of greater magnitude and, although there is no available estimate of the annual recurrence interval, the gauge heights on the Logan River at Wakefield and Maclean's Bridge were between 0.6 and 0.8 m higher than for the peak of the 1974 flood.

Given this historical information of flood risk for the Gold Coast region it is surprising that data on the number of buildings at risk was not included in any of the earlier State surveys of flood risk; the numbers reported for Queensland are summarised in Section 2.2.1. Whilst there were land use controls provided by planning schemes which usually required compliance with a hydraulic study, individual developments have produced some afflux. It would appear that the cumulative effect of these developments would have significantly aggravated flooding problems if Council had not provided some additional flood mitigation benefit with the raising of Hinze Dam in the Nerang River catchment (the dam is primarily a reservoir to service the region's water supply needs). Developments had to show no adverse impacts in terms of afflux and floor levels were required to have either 150 mm or 300 mm freeboard above 1974 flood levels (former Albert Shire and Gold Coast City respectively). However, the last few years have witnessed major changes in the compilation of information on flooding and the implementation of land use and building regulations on the floodplains. An outline of these changes is given below.

4.6 Current status of Gold Coast urban floodplain management

The 1974 flood is estimated to have directly affected at least 1,000 dwellings in the Gold Coast region which at that time had a population of less than 100,000 people (today's population is about 350,000). Since that time major and widespread residential development has occurred in the area inundated by the 1974 event. The 1974 floods acted as a spur to undertake hydrological studies and, in addition to the map showing the 1974 flood limits, a physical model was developed for the Nerang River in the early 1980s. This was replaced, in 1989 by the production, of a one-dimensional computer model, by the Queensland Department of Primary Industries (now DNR).

In 1996 Council approved the development of two dimensional hydraulic and environmental models which have yet to be commenced. By 1997 a more sophisticated two-dimensional (MIKE 21) model which incorporated 130,000 grid points had been developed by a consultant acting for a landowner.

The overall situation in the Gold Coast region is similar to that described for the Brisbane City Council, i.e. there are a number of individual catchments each with their own hydrology. Each catchment requires detailed hydrological studies before reliable estimates of the number of buildings at risk, potential flood damages and possible flood mitigation options can be assessed. Projects to achieve these aims are actively in progress and the Gold Coast City Council in recent financial years has budgeted in excess of $1 m annually to meets these ends. The current status for the various catchments, provided by the City Council in response to the present study, is reproduced below.

Table 4.4 Localities affected by flooding in the Gold Coast Region

Catchment	Locality	Affected
Logan River	Waterford	Floodplain & Valley flooding
	Bethania	Floodplain & Valley flooding
	Beenleigh	Floodplain & Valley flooding
	Alberton	Floodplain & Valley flooding
	Woongoolba	Floodplain & Valley flooding
	Steiglitz	Floodplain & Valley flooding
Albert River		Valley flooding
Pimpama River	Norwell	Low lying areas and roads affected
Coomera River	Hope Island	Low lying areas flooding
	Upper Coomera	Valley flooding
Nerang River System	Area 65 sq km from Chevron Island in North to Burleigh Waters in South, West of Gold Coast Highway to Mudgeeraba in South West and to Nerang in North West.	Floodplain depths to 3.5 metres, residential areas affected
Nerang River	Upstream of Nerang	Valley flooding
Mudgeeraba-Bonogin Valley	No data available but some houses affected at Q5	Valley flooding
Tallebudgera Creek	Palm Beach	Floodplain
Currumbin Creek	Currumbin Waters	Floodplain

'Floodplain' indicates extensive inundation across the floodplain, 'Valley flooding' corresponds to flooding of more limited areal extent.

The current situation and stage of analysis is as follows:

Logan/Albert Rivers	Flood study by AWE for SOUTHROC has been recently completed. Flood inundation lines for various floods will be prepared and this data can be used to quiz Council's land use map and cadastre electronically.
Pimpama River	No flood study is available, however an approximate 1974 flood inundation line is available and an electronic quiz is possible.
Coomera River	Flood study by Kinhill Engineers has been undertaken, but inundation lines have not been prepared. An approximate 1974 flood inundation line is available for electronic quiz.
Nerang River System	Flood study is complete and inundation maps using early topographic data have been prepared by the Department of Natural Resources' Surface Water Assessment Group. New inundation maps are being prepared using photogrammetric data, and a flood damage study is in progress for Q20, Q50, Q100 and Q200 floods. At Q100 it is estimated there will be about 8,000 properties inundated and about 14,000 flood affected, with a private property damage bill of some $200 million.
Currumbin and Tallebudgera Creeks	Flood study is nearing completion and inundation maps will be prepared.

4.6.1 The hydrology

The hydrology of the of the catchments in the Gold Coast region poses particularly difficult problems: These include:

- the tidal nature of the rivers and creeks,
- the widespread changes to the catchment characteristics,
- surge associated with cyclonic conditions.

The lower sections of the larger rivers, namely the Logan and Albert, and the floodplains of the smaller rivers and creeks are all at low elevations and are therefore, affected by tidal influences. It is these areas that contain the major concentrations of residential growth, in part because of their appeal for water-based canal developments.

The construction of canal estates is but one example of the human-induced changes to the natural fluvial environment. Another is that the natural storage of the low-lying floodplains

has been reduced due to fill to provide mounds on which dwellings are constructed. The network of canals for recreational vessels has also modified the original stream network. In addition to these problems the region shares the universal problem that there are very poor historic records of discharge and stage height for such small catchments.

One of the most probable scenarios for severe flooding in the Gold Coast region is linked to the effects of intense and heavy rain from tropical cyclones. This would be enhanced by the triggering effect of high ground that would cause heavy rainfall in the upper catchments of the rivers and creeks that flow across the floodplains in the Gold Coast. Such flooding could be compounded by the effects of storm surge (alternatively termed 'storm tide') associated with such cyclones. The direct effects of storm surge inundation are thought to be limited, ie in no way comparable with Cairns or Mackay, but the indirect effects could be considerable. These indirect effects would cause the rivers and creeks, especially in the tidal areas, to increase flood levels. The magnitude of the additional inundation depends on a range of meteorological factors and is also related to whether the peak surge and flood flows occur at high or low tide.

It is important to acknowledge the severe technical hydrological problems of the Gold Coast region. However, hydrological information now available, currently in progress and planned, is of a high order and attempts to incorporate the problems outlined above. In addition, the studies provide information on the magnitude of the very low probability floods (including estimates of the probable maximum flood), over-floodplain velocities and changes to flow paths. The Gold Coast Council is also aware of the possible changes (likely to be adverse) of greenhouse climate change.

The current stage of hydraulic information is described in the study undertaken by the DNR in 1992 (DNR, 1992). Such information is an essential first step to assess the vulnerability of existing floodplain developments. The approach is to use a geographical information system (GIS) to link the hydrology and land use (including the built environment). Flood maps showing the extent of flooding and the property boundaries are available in draft form for some of the catchments (the Nerang River catchment for example) and in progress for others. The amalgamation of Albert Shire and the Gold Coast Councils into a single authority has had positive outcomes in that it allows a more comprehensive whole of catchment planning but has also required the blending of two previously separate data sets.

4.6.2 Planning regulations and guidelines

The large number of residential flood prone buildings in the Gold Coast region, the majority of which have been built in the last twenty years, suggests that acceptable floodplain management regulations for land use, the floor height of habitable buildings, the use of fill etc, were poorly applied and enforced. However, the situation has, in the last few years, dramatically changed and comprehensive development assessment criteria for flood plain studies for developments in floodplains. For instance, the Nerang Hydraulic Master Plan was adopted in 1997.

Council requirements for inclusion in a Terms of Reference of any Environmental Impact Study usually include a statement along the following lines:

> 'The Environmental Impact Study shall include a hydraulic study investigating 10, 20, 50 and 100 year ARI, critical duration and the 1974 historical flood events, prepared by a suitably qualified consulting engineer at the applicant's

cost. The hydraulic study is to investigate the base case (undeveloped case) and the developed case. In relation to the design of the development, the following development objectives are desirable:

1. No net loss of floodplain storage – any increase in floodplain storage is an advantage.
2. No net increase in flood level except perhaps locally within the development site.
3. No significant change to flood flow direction.
4. No significant change in flood velocity unless it can be proven that either velocities are lower or will be to the advantage of neighbours. (A "neighbour" in this context is the owner of any property that can be demonstrated to be affected by this proposed development).
5. No net increase in inundation duration where inundation could damage private assets.
6. No loss or adverse change to emergency services access.
7. No net shortening of the warning time from declaration of emergency so as to maintain the ability of neighbours to provide protection to their assets or evacuation.

Should any of the above objectives not be achieved, then the applicant shall lodge a schedule of non-compliance with the design objectives together with an explanation of why the objectives cannot be achieved, and propose measures that would remedy any problems'.

The design flood will be the 1 in 100 year event or the largest recorded flood whichever is the higher. Developers are required to use approved hydrological modelling techniques and such analysis must extend to the level of the 1 in 200 year flood for reasons such as counter disaster planning.

Future floodplain management will be based on best practice hydrological assessment combined with GIS analysis of vulnerability and stringent regulations will be formulated and applied to any form of new development, building or other, that is proposed within the limits of the 1 in 100 year flood. Urban floodplain management will also include whole catchment planning and greater community involvement. An example of the former is the Joint Flood Plain Management Group for the Logan River, established in March 1996, which reports to the Logan River Management Co-ordinating Committee which has representatives from the Gold Coast, Beaudesert, Logan and Redland Councils. Community involvement is evident in such groups as the Merrimac/Carrara Floodplain Advisory Committee, established in August 1996 to consider the future of this portion of the Nerang River catchment. The Committee is composed of a wide range of stakeholders from community representatives to State government officials.

4.6.3 The problem of numbers of buildings and dwellings

Data from the 1997 Nerang River Flood Study, made available by the Gold Coast City Council in late 1997, provide an excellent illustration of the problem of basing flood assessment solely on the number of buildings (or properties). This is because many of the

residential buildings in the Gold Coast region are designed for multi-occupancy, as flats or apartments. In such cases it is better to use the term 'residential dwellings', i.e. a residential dwelling unit is a single household in a multi-occupancy building. The data in the Nerang Study also illustrates the differences in the number of dwellings situated in the flood prone zone and the numbers liable to over-floor inundation. For example, for the 1% (1 in 100 year flood) there are 14,250 residential properties in the flooded area. These equate to 28,600 residential dwellings. Of these, only 8,000 would likely experience over-floor flooding for the 1 in 100 year flood. In part, the large difference in the number of dwellings in the flood zone with an without over-floor flooding is because many are multi-storey buildings.

The number of multi-occupancy and multi-storey residential properties in the Nerang River floodplain, in comparison to most other urban areas in Queensland, is exceptionally large. However, the data outlined above illustrate the necessity for detailed studies in order to adequately assess vulnerability, estimate flood damage or provide good quality information for emergency management. These aspects of the Nerang Flood Study could well be used as an example of how to undertake comparable detailed studies for urban floodplain management elsewhere in Queensland.

4.7 Summary

Notwithstanding the provisional nature of some of the estimates of the number of buildings, the size of the existing flood risk presents a massive problem. Estimates, supplied by the Gold Coast City Council, for direct damage (building structure, internal and external, contents) to residential developments for a re-run of the 1974 event in the Nerang catchment alone is of the order of $200m at current prices. In addition there would be direct and indirect losses in the commercial sector, widespread infrastructure damage and untold intangible losses due to the fall in tourist numbers.

The Gold Coast City Council is faced the management of the largest concentrations of flood prone residential buildings of any local government authority in Australia. The Council is currently addressing this issue by improving its flood information and modelling systems and by ensuring that flood risk forms a central component of its urban flooding policy. The Gold Coast situation provides a salutary lesson for other Queensland councils..

5

Hydrological Information, Mapping, Damage Studies, Mitigation and Policy

5.1 Introduction

The design and implementation of acceptable urban floodplain management policy for flood prone LGAs requires a sound hydrological base. Information on the extent of inundation from floods of differing magnitudes and frequency is an essential step in this process. Normal practice is for such information to be obtained from rainfall/runoff modelling techniques but the accuracy of these depends on the availability of historical data. A less precise procedure is to base policy on information from the flood of record. Ideally, hydrological information is combined with damage studies in order to select effective flood mitigation options from which local policy is formulated.

An assessment of the current situation in Queensland can be obtained from the responses to the questionnaire, especially parts of Question 5, 6, 7 and 8.

Question 5 specifically addresses the information available on past flood events,

Question 6 asks for detail on hydrological studies,

Question 7 enquires if flood damage studies have been undertaken,

Question. 8 deals with the details of flood policy and mitigation measures.

The responses to each of these is addressed below.

5.2 Information on past flood events

Question. 5.1 asks '... *is historical flood data available?*' Two thirds (68 out of 102 responses) of localities reported that it was. The negative responses include those that do not consider they have a serious urban flood problem, but there are others that give the reasons for the lack of data as 'apathy', or 'no engineer' and a number replied that they considered that the responsibility lay with the DNR (or the former Water Resources Commission) or the Bureau of Meteorology. Those who consider that the responsibility lies elsewhere include LGAs who indicated (or thought) that the data were held by those agencies.

The responses on historical data closely match those locations which have a town flood gauge, a little over half of the localities (53 out of 101) are in this category. The length and quality of flood records are, of course, variable. For some locations the records extend back for over a hundred years, eg. Brisbane City 156 years, Rockhampton 137 years, Taroom 133 years, Gympie 128 years and Ipswich 100 years. Conversely, many LGAs have only short records, i.e. less than 10 years. ALERT flood warning installations provide an excellent opportunity to gather more precise rainfall and runoff data although there is a need for in-house LGA expertise to fully capture such information.

For the flood gauge records to be of real value, it is necessary for these to be expressed in terms of the areal extent of inundation. Question 5.10 asks if '... *flood limits for the largest known flood are available in map form*?' Exactly half (53 out of 106) of the localities have the records available in this form. Question 5.11 seeks further detail on the '... *historical flood mapping method.*' Most are available in paper map form but for 17 locations the information is also stored as GIS data and about 10 also have the flood limits superimposed on air photographs. The relatively high proportion who have converted the largest known flood into GIS format is encouraging and this will undoubtedly assist future flood policy design and implementation.

5.3 Hydrological flood studies

Question 6.1 asks if a '... *hydrological/hydraulic flood study has been carried out for this community*?' A positive response indicates that some form of modelling has been undertaken, using the historic flood data and regional rainfall statistics. The latter are much more numerous, and have longer records, than for flood or river discharge. Only 40 out of 108 of localities have undertaken hydrological studies although in some cases (i.e. Brisbane River) these are currently being re-assessed. Those with such studies include the majority of the major flood prone LGAs within the State although in some instances the data are of a relatively poor standard. Ipswich is in the process of undertaking such studies and the Gold Coast has recently completed studies for the Nerang catchment and is in the process of undertaking them for other catchments in their area of jurisdiction.

Question 6.2 invites LGAs with such flood studies to indicate the floods that '... *were studied*'. For the 40 responses the floods studied were to a variety of levels, in many cases the lowest probability flood also formed the designated flood. The lowest probability levels in the flood studies are summarised in Table 5.1.

Table 5.1 Flood studies, lowest probability event for which information is available, based on Question 6.2

Above 1 in 100	1 in 100	1 in 50	Below 1 in 50
4	24	6	6

In urban flood studies, it is common practice for the 1 in 100 year event to be the lowest probability event studied, although the recommended procedure is for such studies to extend to the probable maximum flood. In Table 5.1, the LGAs who extended the study to levels above that of the 1 in 100 year event include Brisbane (including the creek catchments), Logan (in part), Warwick and Rockhampton. An example which reported limits below the 1 in 50 year event was Mt. Isa. Studies at 1 in 50 and below are too limited to form the basis for acceptable urban floodplain policy. However, some of the LGAs with 1 in 50 year information do have other more limited data available, eg. for the flood of record. Some LGAs vary the level of study by catchment, examples are Laidley, Logan and Pine Rivers.

The situation for the probable maximum flood is separately assessed in Section 3.5. Only 8 localities have maps that show the extent of the PMF, among these are Gladstone, Redland, River, Rockhampton, Roma and Warwick.

Question. 6.5 requests information on the '... *adopted designated flood*'. The number of responses and level of adoption are given in Table 3.3. In summary, of the 44 responses 27 used the 1 in 100 year event, two the flood of record and the remainder the 1 in 50 year or even more frequent event.

Question 6.6 indicates that for 42 localities, a large proportion of those that answered Question. 6.5, have maps that show the designated flood line and nearly all of these also have the information in GIS format.

5.4 Damage studies

Question 6.12 enquires '... *has a damage study been carried out?*' There were only 11 (out of 98) positive replies. Such studies are not only critical to the assessment of the costs and benefits of floodplain mitigation options but, since they are based on field surveys of all buildings, provide an invaluable aid to all facets of emergency management.

Table 5.2 lists all the positive responses to this question. The majority are known to be of a high standard although for the Brisbane River the damage study is stated to be 'very old - 1976', i.e. after the 1974 flood. It is noteworthy that many of the damage studies were prompted by the occurrence of a major flood event that served to highlight the need for such information. Examples are given in Table 5.2 and include Rockhampton, Murweh (Charleville and Augathella) and Jericho. For the Gold Coast and Warwick such studies are actively in progress and Ipswich (omitted from the positive response data) has such information for the Bundamba catchment. The situation for the Brisbane Creeks is discussed separately, see Section 4.2, and not included in the questionnaire responses.

The poor coverage of flood damage studies for known flood prone urban locations in Queensland is regarded as a major barrier to the formulation of acceptable floodplain management policies.

5.5 Summary – past events, hydrological and flood damage studies

Historic data on flood events is available for a large number of flood prone locations but only about 40% have undertaken detailed hydrological studies. These include most of the major flood prone localities and 42 have the information available in map or GIS form. However, only 27 localities have used this information to define designated floods to the level of the 1 in 100 year event. Information on the PMF is rarely available and even rarer in map or GIS format. The greatest lack however, is for damage studies which only exist for 11 localities and are absent for many of the most flood prone LGAs.

5.6 Policy and mitigation

Question 7 specifically addresses LGA flood policy, and Question 8 flood mitigation measures. The analysis of responses to several of the questions on policy is reported by LGA and not by flood prone locality.

5.6.1 Policy

There were 79 responses, by LGA, to Question. 7.1 which asked '... *has a flooding policy been developed?*' Of these, 37 reported that there was such a policy and 42 that there was not. It is important to note that there are likely large variations in what is interpreted as

constituting such a policy. However, it is thought that in all cases there are restrictions on new developments in areas below the level of the designated flood. Most of the LGAs with significant urban flood problems indicated that they had a flood policy, exceptions included Bundaberg, Dalby and Emerald.

Table 5.2 LGAs reporting that flood damage studies have been undertaken, based on Question 6.12

LGA and locality	Comment
Brisbane	For Brisbane River based on 1976 data.
Dalby	
Gold Coast	Completed for Nerang Catchment, in progress elsewhere.
Hinchinbrook (Ingham)	For Ingham.
Ipswich	Only for Bundamba catchment.
Jericho	After 1990 flood.
Mackay	
Murweh	Charleville and Augathella, After 1990 flood.
Noosa	
Rockhampton	After 1991 flood.
Roma	
Warwick	In progress.

Question 7.2 requested information on the '... *hydraulic basis for flooding policy.*' Two thirds (24 out of 79 LGAs) indicated that they use a designated flood with the remainder basing their policy on historic flood data. In some cases physical models had been employed to assist with flood policy, Caloundra and Mackay are examples. In many cases the policy is based on a combination of historic data and hydrological modelling.

However, attention is drawn to Section 5.2 which shows that for many locations, information on the extent of floods is limited.

Question 7.3 enquires '... *is the designated flood for residential buildings the same as the designated flood for commercial buildings?*' Of the 41 LGAs that replied, 36 used the same designated floods for both residential and commercial and 5 have different levels. There was only a single reply to Question. 7.4 which requested reasons for the differences. Gympie (Cooloola Shire) commented that it was '... deemed acceptable for commercial to flood', i.e. there were no restrictions for commercial developments in flood prone locations. Caboolture uses the 1 in 100 year as the designated flood for residential buildings and the 1 in 50 year for commercial.

Question 7.5 requests information on the '... *difference between allowable floor levels and designated flood levels*'. This is an example of obtaining more detailed information on the

nature of the flood policy. A total of 22 LGAs provided data, the range was from zero to 1,000 mm. However, approximately half of the LGAs require a minimum difference of 300 mm (likely converted from earlier regulations of '1 foot'). Several LGAs vary the designated flood/floor level by location, e.g. Logan uses 150 mm for the main Logan River and 300 mm for the tributary creeks. Such variations usually reflect the quality of the available hydrological data which is invariably more precise for the main rivers than for the smaller tributary catchments. For this reason, Beaudesert requires a floor height of at least 1,000 mm above the designated flood in some locations.

5.6.2 Fill requirements

Some jurisdictions in Australia and overseas prohibit any new building within the flood prone area as delimited by the designated flood. Others use floor level restrictions, similar to those described above for Queensland, but have restrictions on the building methods employed to obtain the required level. In Queensland many of the regulations are related to fill, in order to form a mound on which to construct the buildings, elsewhere regulations often restrict 'raising' of the building to the use of columns or stumps, similar in form to the traditional high set Queensland dwelling. The reason for such restrictions is to avoid the afflux problems posed by using fill to produce the mound. In Queensland the use of fill is much more widespread and Question 7 was designed to gain further information on this.

Question. 7.6 asks '... if allowable filling requirements are:

a. ad hoc individual approvals,

b. filling policy determined on the basis of hydraulic studies,

c. individual approvals based on the developer demonstrating impacts,

d. other.

The 34 LGAs who responded indicated that there is variation both between LGAs and sometimes within the area administered by individual councils. Nine councils rely solely on the ad hoc approach, 4 on policies based on hydraulic studies and 13 on developers demonstrating impacts acceptable within the overall flood policy. The remainder use combinations of these requirements, often these differ in relation to the detail available from existing hydraulic studies. In such cases the developer is required to provide a detailed analysis to demonstrate whether the development is acceptable or not. The reply from Redcliffe to this question is noteworthy because the council does not allow fill under any circumstances.

If consistently applied, such variations are acceptable and there is often more consultation and detailed analysis where a major development is proposed. However, the continued use of ad hoc or poorly supervised requirements for fill can, and does, lead to significant increases in afflux and therefore, to increased flood risk.

There is a strong case for State guidelines and perhaps, regulation to clarify the arrangements for fill, if only to overcome the problems posed by differing requirements by councils in the same catchment.

Over-use of fill by one council can cause adverse effects for others on the floodplain. A Joint Flood Plain Management Group was established for the Logan River in March 1996 with elected and professional staff from the four LGAs that share the Logan River catchment. One

of the terms of reference is to develop '... an agreed protocol to be followed by the each Local Government in assessing development applications'.

5.7 Legislative mechanisms

To achieve effective local floodplain management there is a need for the policy to have a sound institutional base. It is widely accepted that this is not the case for many Australian States, Queensland is no exception. The situation for the eastern mainland States is reviewed in National Landcare publication, *Issues in floodplain management – a discussion paper* (Smith *et al.*, 1996). To clarify the situation Question 7.7 sought information on the 'legislative mechanisms used' in Queensland.

LGAs were asked to indicate which of four Queensland Acts were used as a basis for their flood policy. The four were:

The Local Government Act (abbreviated to LG)
The Local Government (Planning and Environment) Act , hereafter LG (P & E)
The Water Resources Act (WR)
The River Improvement Trust Act (RIT)
Other

There were 37 responses, the results are given by LGA and not by locality. There was considerable variation between LGAs, some employing a single act and other combining one or more. A summary is given in Table 5.3.

Table 5.3 Legislative mechanisms used to underpin flood policy (Question 7.7)

	LG only	LG(P&E) only	LG/LG(P&E) combined	LG/WR combined	LG/LG(P&E)/WR combined
Number of LGAs	5	16	12	1	3

LG = Local Government Act
LG (P&E) = Local Government (Planning and Environment) Act
WR = Water Resources Act

The LGA and LG(P & E) Acts are the most widely used, either singly or in combination; 33 LGAs fell into this grouping. Neither the WR nor RIT Acts were used as the sole institutional underpinning but were used in combination with the two most frequently used Acts by six LGAs. Warwick is the only LGA to use all four Acts. There were no examples of the use of 'other' legislation as an institutional base for flood policy. From the survey results it would appear that the institutional arrangements are unclear.

5.8 Mitigation

It is standard practice to divide flood mitigation measures into two separate classes, namely structural and nonstructural. In detail there are definitional problems but the structural class normally involves engineering measures which are often costly. In contrast, non-structural measures generally have little direct cost (resumptions and rezoning compensations are two

examples of expensive 'non-structural' measures) to LGAs and typically incorporate features such as zoning and building regulations. Question 8 invites LGAs to indicate any structural measures used for mitigation and Question 7 for non-structural. Although flood warning systems are included as a nonstructural measure (Question 8.2), much fuller information is requested in Question 10 with the results discussed in detail in Section 6. The flood mitigation options are discussed in terms of locality.

5.8.1 Structural mitigation measures

Question. 8.1 invites respondents to indicate '... *flood mitigation measures used to reduce [the] effects of flooding on [the] community*'. Four categories were given with the request to list any additional measures that had been used. The categories listed were:

Levees
Flood control dams
Retention basins
Flood proofing of buildings
Other

Structural measures, often of more than one type, were reported as used at 29 localities. Thirteen localities (out of the 29) use levees, in 6 instances in conjunction with one or more other structural measures. Although the respondents were not specifically asked, many report that the levees are only used locally, ie to protect a relatively small number of buildings or only apply to part of the flood prone locality, Brisbane and Balonne are examples. For two localities, Goondiwindi and Mackay, the levee systems are known to be extensive. At Goondiwindi the levee system has been in place for many years and affords a relatively high level of protection, that for Mackay is much more recent and has a level of protection for floods in the 1 in 30 to 1 in 40 year class.

A fuller list of localities reporting levees, excluding those already mentioned, includes Bundaberg, Emerald, Hinchinbrook (Ingham), Johnstone (Innisfail), Paroo (Cunnamulla) and Thuringowa. In comparison to New South Wales or Victoria, the number of major urban levee systems is relatively small.

Flood control dams are mentioned for only four locations. These are the Somerset and Wivenhoe Dams on the Brisbane River, the Ross River Dam upstream of Townsville and the Hinze Dam in the upper catchment of the Nerang in the Gold Coast. In all of these cases the primary purpose of the dams was water supply, irrigation or urban, with flood control as an additional feature.

Flood detention basins are smaller structures than flood control dams and are specifically designed to retard and decrease flood peaks that could cause downstream damage. They are usually constructed on small catchments in major urban areas. They are specifically mentioned for six localities, these include the Brisbane Creeks, Cairns, Maryborough and Townsville.

Flood proofing of buildings can be considered as a special case of structural mitigation, it differs from most other forms of structural mitigation as it can be undertaken for individual buildings (residential or commercial), only 8 localities report its use. These are Bowen, Dalby, Ingham, Maryborough, Logan, Murweh (Charleville) and Rosalie. This small number is perhaps surprising, in part because the traditional high Queensland detached dwelling provides a ready-made example of flood proofing. Although data are not requested of the

numbers of buildings that are flood proofed, usually undertaken well after construction and in response to a known flood risk, the measure is only used in a minor way. This contrasts with some communities in New South Wales where house raising (the most common form of flood proofing) is widespread. For central Lismore over 1500 weatherboard houses have been raised, some to 3.0 m or more, over the last 60 years or so specifically to reduce flood losses.

'Other measures' are reported for a small number of locations. These include clearing vegetation from channels (Boonah), channel improvement and diversion (Bowen) and the use of flood gates (to lessen the tidal effects on river flooding) at Ingham. Logan also reports a program of acquisition for a small number of dwellings exposed to high velocity flood waters.

5.8.2 Non-structural mitigation measures

Question 8.2 lists three categories of non-structural measures, plus 'others', these are:

Building controls
Land use controls
Flood warning systems
Other

There are 66 responses, by locality, that list non-structural measures, that is more than double the number that report the use of structural measures (29). Some 55% of the localities (36 out of 66) combine building and land use controls. This indicates that some form of designated flood is used and that the buildings within the designated limits are subject to regulation which usually requires the floor levels to be at a specified height above that of the designated flood, see Question 7.5 (Section 6.1) for detail. Ten localities rely solely on building regulations and 8 on land use controls.

Exactly half (33 out of 66) list flood warning systems as a nonstructural measure, in 22 cases employed in conjunction with other measures.

'Other' measures are limited. Cairns reports that a program of acquisition for dwellings that are below the 1 in 10 year flood; interestingly Logan considers such a measure to be structural.

Two features of the replies need comment. The first is that only 36 localities have combined building and land use controls and the other is the relatively large number that report the use of flood warning systems. It was not possible from the survey to consider the details of the mitigation measures or, in the case of building and land controls, the degree of compliance.

5.9 Funding for flood studies and structural works

Flood studies are an essential prerequisite for the formulation of building and land use controls. Question 8.3 asks for information on the source of '... *funding for flood studies'* and Question 8.4 for the source of funding '.... *for structural works*'. In both questions the categories are given as:

Commonwealth government
State government
Local government
Other

It is important, for two reasons, to separate funding for flood studies and structural works. First because flood studies should be basic to any form of structural works and are comparatively, less expensive. Secondly, the various funding schemes between the three tiers of government vary for the two types of activity.

It is understood that State authorities in Queensland rarely provide financial assistance for studies (unless subsidisable capital works are involved). Commonwealth funding has traditionally been available for both studies and for works - indeed, without acceptable flood studies, assistance with funding for structural measures would not be provided. The difficulties of joint assistance from State and Commonwealth sources are outlined in Section 11.2.3.

5.9.1 Flood studies

Of the 52 responses, 49 indicate at least a contribution to the costs of flood studies from the appropriate LGA.

In some 60% of the localities (32 out of the 52 responses) funding for flood studies was borne solely by the LGAs.

Ten localities reported that funding was shared by all three tiers of government, examples are Logan, Paroo, Rockhampton and Mirani. Only 5 indicated that funding was shared between State and local government.

Assistance with funding from other (non-government) sources was limited. Cairns reports assistance from the Cairns Port Authority and in other cases the costs were partly re-couped from developers in the form of fee for service. Caloundra, Thuringowa and Caboolture specifically mention such contributions. For Caboolture, an LGA with a fast rate of growth and development, the costs of the flood study was recovered in two or three years by the sale of the appropriate part of the flood study (i.e. in the form of a computer model) to developers who were then required to demonstrate that their proposals were in accord with the council's flood policy.

5.9.2 Mitigation

In most cases the costs of structural works are very much greater than for flood studies. For example, levee schemes to protect even relatively small numbers of buildings often cost in excess of $1 m. They also require the LGA to take on substantial future costs for maintenance and repair. Thus, for many of the LGAs in Queensland, and elsewhere in Australia. The construction of such structural measures are dependent on assistance from higher tiers of government.

There were 30 responses, by locality, to the question of the funding for structural works. The combinations of funding are several and are summarised, with examples, in Table 5.4.

Table 5.4 Combination of funding sources for structural works (Question 8.4)

	C'wealth only	State only	LGA only	C'wealth/ State	C'wealth, State and LGA
Number of Locations	0	4	14	6	6
Examples		Blackall	Caboolture	Tara	Brisbane Logan Mackay Mirani Paroo Warwick

A small number of responses listed funding from other sources. For Mackay and Wambo these include local River Trusts and Thuringowa specifically mentions developer contributions. Again, the dominance of council contributions in funding is apparent. However, for many of the responses, which include those based solely on local funding, it is likely that the structural works were of a minor type. For example, the eight separate localities listed by Caboolture.

5.10 Summary – flood studies and mitigation measures

Councils play the major role in funding of both structural and non-structural mitigation measures, in many cases without any assistance from either State or Commonwealth sources. This contrasts to New South Wales where, for the early years of the 1990s, the combined annual expenditure on flood studies and works was well in excess of $20 m. The major difference between Queensland and New South Wales was that the latter was prepared to match, dollar for dollar, Commonwealth funding provided under FWRAP or, in later years, from the National Landcare Program. Queensland, with few exceptions was not prepared to match the Commonwealth contribution, exceptions involving major amounts of funding for capital works were Rockhampton and Mackay.

It is likely, although not subject to rigorous proof, that the relatively poor coverage of flood studies and mitigation measures in Queensland, in comparison to New South Wales, is a result of this difference in the approach to funding

Queensland has relatively few major structural flood mitigation works, although such works, (nearly all constructed to reduce flood damage to existing flood prone developments), are not in themselves a major plus for floodplain management. However, in New South Wales the construction of such mitigation measures was closely linked to the adoption of comprehensive land use and building controls usually related to a 1 in 100 year designated flood. This strategy has greatly reduced the potential for flood damage from new developments. For many parts of Queensland this has not been the case and the potential for future losses increases year by year.

6

Flood Warning Systems and Counter Disaster Plans

6.1 Introduction

A flood warning system encompasses the flood forecast, its dissemination and response by the emergency services and the community at risk. It is an essential component of urban flood mitigation both for communities with and without structural mitigation measures. For those with structural measures it is necessary because the majority of these are constructed to a specific design limit (often the 1 in 100 year flood or less) which can be exceeded. Structural measures also have some risk, albeit often small, of failure. If levee protection is used as an example, flood warning systems are necessary to cope with situations where the levee may be overtopped, i.e. the design limit exceeded, or is at risk from other forms of failure. In all cases, structural measures should be accompanied by an emergency plan. Although outside the direct scope of this study, this also applies to downstream inundation from the failure of all hazardous, i.e. large dams.

The Bureau of Meteorology, for Queensland this is the Brisbane Regional Office, has overall responsibility for the provision of flood warnings and forecasts of river heights. There is however, an important qualification which relates to 'flash' flooding. This is defined as flooding for which the time between rainfall and downstream inundation is less than six hours.

The responsibility for flash flooding lies elsewhere, in practice with local government.

With the exception of flash flooding, for those areas with the necessary field instrumentation to provide input data on rainfall and runoff the Bureau provides quantitative forecasts of flood height. This is normally presented as a forecast of river height and time for a specific flood gauge, often located in flood prone urban areas. The gauge heights are usually combined with a forecast expressed in terms of minor, moderate or major flood. These terms have agreed definitions and are available for several hundred gauges throughout the State. They are often related to the inundation of road crossings, overtopping of bridges, initial flooding of buildings etc. An extract from the Bureau's River height stations flood classifications is given in Table 6.1. The forecast to the public is issued after discussions between the Bureau staff and local agencies for key river height locations (towns, cities etc.) particularly those which involve urban flood inundation.

The Bureau is not primarily responsible for the dissemination of the forecast to the local community or for the response components of the flood warning system but in practice it works closely with LGAs and the emergency services to facilitate best warning practice and to give advice on response. Although Commonwealth policy affirms the Bureau's responsibility for flood warnings, it also calls on State and local governments to share in the upgrading and maintenance of monitoring networks. The Bureau is responsible for the rainfall network, and State/local governments for river height stations.

Table 6.1 An example of the Bureau of Meteorology river height stations flood classifications

Queensland flood warning river height stations flood classifications							
Station Name	**First report**	**Bridge height**	**Minor flood**	**Crops grazing**	**Moderate flood**	**Town houses**	**Major flood**
Leichhardt							
The 16m waterhole TM			3.0		4.0		5.0
Floraville TM		3.0	3.0		5.0		7.0
Flinders							
Hughenden (SYN)	1.0 h	4.00	2.5	4.0	4.0 d/s	4.9	6.0 d/s
Marathon	2.0 h		6.0		8.0		9.0
Richmond (SYN)	3.0 h	5.80	5.0	6.0	6.0		8.0
Richmond TM			5.5		6.5		8.2
Hulberts Bridge	2.0 h	3.90	7.0	10.0	10.0	12.2	12.0
Cloncurry	2.0 h	10.30	3.0		5.0	11.0	7.0
Cloncurry TM		11.00	3.5		5.2	11.0	7.0
Carsland	1.0 h		2.0	2.0	3.0 d/s		5.0
Canobie	3.0 h		3.0		4.0		5.5
Walkers Bend	3.0 h	5.40	6.0	6.0	9.0		12.0
Walkers Bend		5.40	6.0	6.0	9.0		12.0
Norman							
Yappar River	1.6 h	0.60	1.6	2.0	2.5	3.8	3.8
Normanton	2.5 h	5.50	3.5	3.5	4.0	7.0	6.5

All lengths in metres

6.1.1 Flash flooding

Flash flooding is subject to different arrangements, by definition the time between rainfall and downstream flooding is limited. Thus, in order to provide forecasts with sufficient lead time to reduce losses to life and property, the analysis needs to be undertaken locally. For maximum effectiveness such systems require telemetric rainfall and river gauges that can transmit data to a locally based receiving station, ideally linked to a computer system that can convert the information into a forecast for downstream flood prone locations. A commercially available system, normally referred to as an ALERT system, fulfils these requirements. The funding and maintenance of such systems for flash flooding is usually the responsibility of LGAs, not the Bureau. However, the Bureau provides technical assistance with siting, installation, calibration and use and, in return, has access to the output. The majority of

ALERT systems used in Australia were based on a model tested and adapted by the Bureau. A few years ago Brisbane City Council installed a comprehensive flood warning system known as PROPHET, based on the ALERT concept, this is described by Carroll (1993).

6.1.2 Flood warning systems and flood mitigation

Until the late 1980s flood warning systems in Australia were handicapped by inter-governmental disagreement over the responsibility for future funding of the service. A background to this and to the general principles of flood warning systems is given in Smith and Handmer (1986). After that date it was agreed that the Bureau of Meteorology was responsible (with the exception of flash flooding) and additional staff and resources were allocated to the regional offices to provide the forecasting service. As a result there have been major improvements in the instrumentation, areal coverage and quality of the forecasts throughout Australia. The Brisbane Office of the Bureau has been to the fore of these developments.

Flood warning systems however, directly involve LGAs assisting with the process of data collection as an essential input into the forecasts, for interpretation of expected areas of inundation, for local dissemination and, together with the emergency services, for the appropriate response. Where the risk is from flash flooding they also have the responsibility for providing the forecast. This outline is necessary in order to understand the responses to the questions concerning flood warning systems in the questionnaire.

An understanding of flood warning systems is important as they assist with the definition of flood risk and thereby, assist with the prioritisation of future floodplain management needs of LGAs within Queensland. This is because the risk for all forms of damage is much greater for those LGAs that have only short warning times, say less than 12 hours, in contrast to others that have several days.

6.2 The questionnaire responses

The questionnaire responses are designed to obtain a picture of how LGAs contribute to, and gain from, the overall flood warning system.

Question 8.2 asks if LGAs use flood warning systems, assumed to be locally based, as a form of nonstructural flood mitigation measure. Approximately half (33 out of 67) of the responses report that flood warning systems are so used. As the total includes localities that do not have a significant urban flood risk this can be considered as a satisfactory result.

Four specific questions (10.1 to 10.4) were asked in the section of the questionnaire concerned solely with flood warning systems. These were:

Question 10.1 requests information on the type of forecast provided by the Bureau.

Question. 10.2 asks if the Bureau forecasts are further interpreted for use by specific local communities.

Question. 10.3 enquires if the LGA maintains a local flood warning system.

Question. 10.4 invites further detail on the methods used to disseminate the information to the community where a local system is maintained.

6.2.1 Question 10.1. Form of forecast supplied by the Bureau

Two thirds (65 out of 102) of localities receive quantitative forecasts from the Bureau in the form of river gauge heights and in terms of minor, moderate and major flooding. The majority of LGAs and localities that do not receive such forecasts are located in remote areas of the State and/or have only minor urban flood problems. The former, Carpentaria is an example, are in regions with a poor coverage of river gauges.

6.2.2 Question 10.2. Is the forecast further interpreted by the LGA?

Where quantitative forecasts are supplied by the Bureau, approximately 40% (28 out of 67) relay the information unchanged and 60% (38 replies) further interpret this for use by local communities.

6.2.3 Question 10.3. Does the LGA maintain a local flood warning system?

Forty-five localities have information based on local flood warning systems of the ALERT type. Such a high proportion is, to date, only found in Queensland. This is undoubtedly one of the major positive features of urban floodplain management in the State. However, it is worthy of note that the preliminary draft of the *Victorian flood strategy 1997 - 2007*, proposes 29 additional centres for flood warning systems for that State.

As noted, Brisbane City Council maintains its own comprehensive flood warning system and the south-east of Queensland now has a coverage of ALERT-type installations unmatched elsewhere in Australia. A number of systems originally designed for water resource management have been integrated into this coverage. One outcome of this detailed cover is that LGAs with ALERT systems for their local area have the capacity to interrogate or directly receive data from other systems in the region and thereby gain information on the approach of storm cells before they reach their catchments.

6.2.4 Question 10.4. How is the information from locally based systems relayed to the community at risk?

There were 49 replies to this question and the respondents could tick boxes to indicate door knocking, radio, television or loudspeakers as the method(s) used, respondents were also invited to add additional categories. Forty-two of the respondents (about 85%) indicated that they used more than one method to disseminate the forecast. This is particularly important as all analytical accounts of the effectiveness of flood warning systems stress the need for more than one method to be used in order to obtain community acceptance and thereby an effective response.

6.3 Flood warning time

The time that a community has between receiving a quantitative forecast and the inundation of buildings and infrastructure is an important element in defining susceptibility to flood. It ranks with the number of buildings and flood height range in outlining a priority list of communities in most urgent need of comprehensive floodplain management. However, it is difficult to define, with any precision, what is a flood warning time? There are a range of possible definitions, e.g. from the start of rainfall to time of flood rise, time of peak rainfall intensity to flood peak etc. In addition, the relationships between timing and intensity of rainfall to the subsequent downstream flood can vary considerably between events, e.g. it often depends on which sub-catchments received the maximum rainfall.

However, at a broad scale, there are clearly major recognisable differences in flood warning time between LGAs and localities in Queensland, the full range is from an hour or so to several weeks.

6.3.1 Flood warning time - questionnaire responses

LGAs were asked, in Question 4.15, for differing localities in their area, to give estimates for the flood warning time. In this case between '... *commencement of rainfall and initial inundation of the urban area*'. There were 71 responses and these are tabulated in Table 6.2.

Table 6.2 Flood warning time, responses to Question 4.15

	< 12 hours	12 to < 24 hours	24 hours to < 2 days	2 to 7 days	8 to < 14 days	> 14 days
Number of localities	26	14	18	6	3	4

Overall, 55% of the responses indicated a time of less than 24 hours.

At the other extreme 20% (13 replies) indicated a time of 2 days or more. A warning time of this length should be sufficient to enable maximum reduction of damage to take place and for the risk to life to be small.

6.3.2 Flood warning time — Bureau of Meteorology

A separate analysis was undertaken by the Brisbane Office of the Bureau as a specific contribution to the current study. This was to classify, for 143 (mainly urban) locations throughout the State, the flood warning time into three classes. These were less than 12 hours, 12 hours to less than 24 hours and greater than 24 hours. The information from the Bureau is presented in full in Appendix 5.

The analysis by the Bureau was based upon the lead times for the forecast of river flood heights that could be provided with reasonable accuracy for downstream locations using existing '... climatological factors and/or flood monitoring networks and prediction tools'. It is stressed that the classification represents an average case and lead times could vary for specific floods. The results are presented in Table 6.3.

Table 6.3 Flood warning times – the Bureau's analysis

	A < 12 hours	B 12 - 24 hours	C > 24 hours
Number of locations	100	25	18

Tables 6.4 Questionnaire and Bureau estimates of flood warning time for a selection of flood prone Queensland LGAs

Local Government/ Locality	No. of Buildings at Risk from 1/100yr Flood	Bureau of Meteorology A<12 hrs;B 12-24 hrs, C>24 hrs	Questionnaire Question 4.15
Gold Coast Overall total	16,650	A	24 hrs
Mackay	8,000	A	6 - 12 hrs
Brisbane	8,000		
Brisbane River		B	48 hrs
Brisbane Creeks		A	< 12 hrs
Dalby	3,300	A	7 hrs
Ipswich	3,000	A	24 hrs
Logan	2,375		
Logan River		B	48 hrs
Scrubby Creek		A	6-8 hrs
Hinchinbrook	2,175		
Ingham		A	36 hrs
Murweh	1,350		
Charleville		B	24 hrs
Augethella		A	< 24 hrs
Rockhampton	1,200	C	up to 14 days
Burdekin	1,000		
Hume Hill/Ayr		A	
Cairns	728		
City		A	2 hrs
Mulgrave		A	30 hrs
Caboolture	455		
Burpengary		A	6 hrs
Blackall	N/A	B	72 hrs
Cooloola	N/A		
Gympie		B	varies
Johnstone			
Innisfail	N/A	A	4 hrs
Carpentaria		C	10 days +
Normanton	N/A		
Mt Isa	70	A	

N/A Detailed estimates not available

Using the Bureau's definition, 87% of the localities fall into the '24 hours or less' category and 77% of the total have less than 12 hours between prediction and arrival of the flood.

The LGAs completing question 4.15 and the localities analysed by the Bureau are not identical and there are differences in the definition of flood warning time. However it is clear that a very high proportion of urban locations in Queensland have warning times of less than 24 hours.

Table 6.4 repeats the list of LGAs with the highest numbers of buildings at risk from the 1 in 100 year flood (see Table 3.5) together with the warning times from the Bureau and, where available, from the responses to the questionnaire. Table 6.4 is also extended to list a selection of other flood prone urban LGAs, for these detailed estimates of the number of properties at risk are not known but the numbers are relatively small.

6.3.3 Why are the flood warning times so short?

The relatively short leads given in Tables 6.2, 6.3 and 6.4 are perhaps surprising, given the length of many of the major rivers systems in Queensland. The reasons for the short times and forecasts include:

- many flood prone communities are liable to flooding from relatively small catchments that are tributaries to the major rivers. Examples are the Brisbane Creeks, the Scrubby Creek catchment in Logan, and Townsville.
- for locations situated on major rivers, damaging floods are often from rainfalls in the lower parts of the catchment, not necessarily in the more remote headwaters. Examples are Johnstone and Cairns (Mulgrave).
- often the Bureau's forecasts are, in part, based on river gauges which, for very good reasons, are not situated in the upper parts of major catchments.

Whatever the reasons, it is very clear that most of the major flood prone urban communities have lead times that are less, often very much less, than 24 hours. Given that rain and floods can occur at night, at week-ends or on public holidays, a time of even 24 hours requires best practice dissemination and response to significantly reduce flood losses.

6.4 Counter Disaster Plans

Counter disaster plans are a requirement for all LGAs in Queensland and throughout Australia. For many areas these include responses to flood events and therefore, are the component of the flood warning system most concerned with loss reduction, of which reduction to loss of life is predominant. Question 11 (11.1 to 11.6) was specifically designed to obtain information on the Counter Disaster Plans at LGA level. As the effectiveness of such plans is related to aspects of community awareness, the responses to Question 9 are also reported in this section.

6.4.1 Question 11. Counter Disaster Plans

Some of the component questions of Question 11 were difficult for respondents to answer. For example, 11.4 and 11.5 ask if the flood plan was activated during the last major flood and for comments on its effectiveness. The difficulties were that, in many cases, the 'last flood' was before the Counter Diaster Plan was developed and comments on effectiveness are subjective. In addition, it was not feasible for the questions to ask for details of the flood section of the Plan. It is suspected that often this is relatively meagre, if only because of the lack of hydrological information on the size and areal extent of the floods which should be basic to such a Plan. These caveats should be remembered in interpreting the responses summarised below.

Question 11.1. Is there a Counter Disaster (Flood) Plan for this community?

Approximately 90% (90 out of 101) of respondents report that there was a flood plan. All of the 10% with a negative response are for localities with only a small number of buildings at risk.

Question 11.2. Is the Counter Disaster (Flood) Plan linked to flood warning systems?

Some 60% (52 out of 88) replied that there was such a link. It would seem surprising that 40% (36) did not link the flood warning system to the disaster plan. Among these LGAs who did not have such a link were Caboolture, Goondiwindi and Mackay. Goondiwindi has levee protection from all but the most extreme flood events, it is therefore an example where a flood warning system should be required to deal with potential overtopping or failure. The recently constructed levee at Mackay, with a much lower level of protection, is a further instance.

Question 11.3. Was the Plan activated for the last major flood?

The responses were confused as the 'last major flood' could be before the plan was implemented. As this question was poorly worded discussion of the responses are omitted.

Question 11.4. Was the plan effective after the last major flood?

The answers were more satisfactory. Out of the 63 responses for localities that had experienced a flood since the Plan was implemented, 80% (51) replied that the plan was effective. Although this is often based on self-assessment, the level of favourable responses is good.

Question 11.5. Was the Plan revised after the last major flood?

Of the localities for which the question was applicable, 75% (50 out of 66) reported that a review had taken place.

Question 11.6. Does the Plan use or contain information from flood studies?

Approximately half of the replies (43 out of 83) are based on information from flood studies and half (40) are not. This confirms the overall lack of flood studies for much of Queensland.

Overall, for most localities with an urban flood problem, LGAs include a consideration of flooding within the Counter Disaster Plan. Although based on self assessments, most LGAs regard the Plans as effective and they are revised after flood events. It is disturbing however, that only half of the Plans are based on information from flood studies, taken to mean hydrological studies of the magnitude and extent of floods and the vulnerability of the flood prone communities. The frequent lack of links to flood warning procedures also warrants improvement and there are undoubtedly examples where flood studies have not been incorporated in the Counter Disaster Plan.

6.4.2 Awareness

Questions 9.1 to 9.5 requested information on the level of community awareness.

Notwithstanding that such responses are subjective, they form an important component of overall urban floodplain management.

Question 9.1. Is the community aware it is located on a floodplain?

Some 90% (91 out of 102) of locations are considered to have such awareness, exceptions include Biggenden, Caboolture and Herberton.

Question 9.2. Is the community aware that it can be flooded?

Approximately 98% (98 out of 102) replied that they were so aware. Toowoomba and Mt Morgan were examples of a negative response.

Question 9.3. Are past flood levels indicated locally (e.g. flood markers)?

About 25% (24 out of 102) replied that there were such flood markers. Among these were Brisbane, Dalby, Eacham, Emerald, Jericho, Isisford, Maryborough, Roma and Taroom.

It is especially significant that many of the communities with a larger number of buildings at risk do not have flood markers.

This is common throughout much of Australia, and although there are no national statistics it is likely that the situation reported for Queensland is better than for some other flood prone States. However, this may represent an over-optimistic interpretation of 'flood markers', for effectiveness in a large flood prone community there should be a series of such markers throughout the area at risk from inundation. It should be a requirement that flood markers are installed for all localities with a flood risk. This is because they are an essential and inexpensive mechanism which give meaning to the forecasts of river gauge heights for individual buildings. Although not requested in the questionnaire, the lack of markers is usually due to the perceived adverse effects on house prices or for future development.

Question 9.4. Are public awareness/education programs conducted?

Only a little over 20% (21 out of 96) communities would appear to have such programs. In a number of instances, especially for coastal communities, it was commented that such programs are associated with seasonal awareness campaigns for tropical cyclones rather than those solely related to flood. Among those LGAs with awareness programs are Brisbane, Ipswich (but qualified as 'limited'), Logan, Mirani, Rockhampton, Taroom, Townsville (linked to cyclone programs) and Warroo. Again there would seem to be a problem with the lack of such programs for many of the more flood prone communities. Finally, the effectiveness of such programs remains an unknown.

Question 9.5. Community awareness of counter disaster arrangements?

Approximately two thirds (64 out of 96) of localities replied that the community is aware of counter disaster arrangements. However, in retrospect this was not a well worded question.

In general, the level of awareness of flood threat would appear to be high among communities at risk. However, the use of flood markers and of programs to promote flood awareness would appear to be limited especially for many of the communities most at risk.

6.5 Summary

Flood forecasts, directly from the Bureau or from local systems, are widely available throughout the State. A notable feature is the growth in recent years of ALERT-type systems for locations liable to flash flooding. It is also clear that many of the LGAs with urban flood

problems have developed a variety of methods to disseminate the forecast to the community at risk.

However, the lack of hydrological studies that define the extent of flooding for many LGAs poses problems for forecasting. Firstly, this limits the usefulness of the forecast as it is unclear what area is actually at risk for a forecast gauge height and secondly, the Bureau's staff can often only add to the list of flood prone locations after a major flood has occurred. There are also problems with the provision of installations in the remote and sparsely populated areas of the State.

A significant feature of flood warnings is that a very large proportion of flood prone communities have lead times that are less than 12 or 24 hours. This emphasises the need for locally based, ALERT-type, systems. The costs and expertise to install and maintain such systems pose very real problems, especially for those LGAs with small populations and thereby limited finance and technical resources. Overall, the provision of flood forecasts and their dissemination in Queensland, relative to the other States, is good. However, as these components of the flood warning system improve the spotlight turns to community response. The question then becomes how to capture the benefits offered by the forecasts and dissemination.

The majority of communities would appear to be aware of their flood risk but few of the Counter Disaster Plans specifically incorporate flood warnings. There is also a lack of flood markers and flood awareness programs, especially for many of the communities with large numbers of buildings at risk. Such issues should form a focus for future enhancement of the flood warning systems in Queensland.

7

The Largest Known Flood Events – The Effects on Lifelines

7.1 The largest known flood

The importance of the probable maximum flood, and the difficulties in its estimation, are discussed in Section 3.5. Questions 4.1 to 4.3 are concerned with the largest known flood event and this is used as a bench mark against which to evaluate the effect on lifelines. There remain two aspects that are worthy of comment, these are the duration of flood inundation and the date of its occurrence. Duration can be assessed in variety of ways and the term is not easy to define with any precision. However it can be used as an indication of the severity of the disruption to the community and is of significance for the provision of services and emergency management.

Analysis of the responses to the date of the largest event are not conducive to statistical analysis, in part because the length of records varies from well over a hundred years to less than five. But the pattern has interest for floodplain management.

7.1.1 Date of the largest known flood

Question 4.1 asks '*for the date of the largest known flood*', for the locality. There were 95 responses and the results are tabulated in Table 7.1. As would be expected the most recent decades have the larger numbers, this reflects the increasing number of flood gauges over time.

Table 7.1 shows that there is a tendency for some earlier decades to have a particularly high frequency of 'largest known events' and for others to be of low frequency. The 1890s and 1970s are examples of the former and the 1920s and 1930s of the latter. The significance of the data, with all their imperfections, is that major flooding would appear to be a sporadic event and therefore, there is a need for the collection of data over long periods. Massive floods, such as the Brisbane flood of February 1893 did not provide the stimulus for care in floodplain siting, however the floods of January 1974 (less severe than in 1893) resulted in Australia's most costly flood event. Despite such reluctance to learn from experience, knowledge of the levels of earlier floods is a key factor for the estimation of even greater floods and for emergency management. For some localities in inland Queensland the floods of early 1997, some reported in the questionnaire some not, achieved 'flood of record' status.

7.1.2 Duration

There were 69 replies to Question 4.3 which asked for estimates of the 'duration of flood inundation' for the largest known flood. The number of responses is less than for the date of the event (Question 4.1) as in a number of cases information on duration was not known. The duration estimates are tabulated in Table 7.2.

Overall, despite uncertainty over definition, duration's of 3 days or more are reported for approximately half of the locations (35 out of 69). It needs to be stressed that Table 7.2 refers

to the largest known event, for lesser floods the duration would be considerably less. For example, the Brisbane River duration in 1974 was reported as 4 days.

Table 7.1 Year of the largest known flood by decade (Question 4.1)

Decade	Number+
1890 - 1900	10
1901 - 1910	0
1911 - 1920	4
1921 - 1930	1
1931 - 1940	0
1941 - 1950	9
1951 - 1960	10
1961 - 1970	4
1971 - 1980	29
1981 - 1990	10
1991 - early 1997	18

+ Creek catchments for Brisbane are excluded.

Table 7.2 Duration of inundation for the largest known flood (Question 4.3)

	< 24 hours	1-2 days	3-7 days	8-14 days	> 15 days
Number of locations	20	14	23	7	5

As a guide, duration is related to warning time, i.e. the longer the warning time, the longer the period of inundation. Indications of duration of flood inundation can therefore, be obtained from Section 6 and Appendix 5. There are exceptions to this relationship and locally, low lying areas can remain inundated for much longer periods. However, such sites are usually of greater significance for agriculture rather than for urban flooding.

7.2 Lifelines

Questions 4.8 to 4.14 request information on the '*... effects of the largest known flood on lifelines*'. Individual questions address the following categories:

- Roads
- Rail
- Airports
- Water supply
- Sewerage
- Electricity
- Other (e.g. fire, ambulance, hospital)

There are variations in the degree of severity indicated for the various lifelines, e.g. for roads impacts are described as 'no access roads affected', 'some access roads cut' or 'all access roads cut'. The results are presented by locality.

7.2.1 Transport links

It is important to note that disruption, especially to transport links, can severely effect communities that do not experience inundation of buildings. This is especially true for remote settlements in the sparsely populated parts of the State. There were a number of replies to this question for localities that do not fulfil the study's definition for urban flooding, i.e. more than 10 flood prone buildings.

Road

Close to 75% (70 out of the 93 responses to this question) had all road access cut for the highest known flood, all but 2 of the remaining 23 had some access roads cut. The question did not ask for the length of disruption but for some remote localities this is measured in weeks, eg. Burke and Normanton.

Rail

For the largest known flood, over two thirds (40 out of the 59 reporting) indicated that all rail links were cut. For the larger urban centres, such as Brisbane, such closures were usually for a short duration, for remote localities with rail links the duration of disruption would be very much longer. There are also significant adverse effects on the handling of coal and minerals although these fall outside the scope of this report.

Airports

These vary in size from international airports to outback landing strips. The availability of air strips is especially important for emergency management in remote areas; for evacuation, for the supply of food and other assistance. Of the 56 replies, i.e. those with nearby air services, approximately half remain unaffected by even the largest known flood.

7.2.2 Water, sewerage and electricity

Major disruption to these services can have significant consequential indirect effects, for instance risks to health. These vary from the spread of disease due to contamination of drinking water to the lack of electricity for refrigeration and cold stores. It is also necessary to stress that key installations for water and sewerage are often located close to rivers and creeks and, if precautions are not taken, may be especially liable to disruption and damage by flood. A problem with the responses was that for many smaller communities there is, or was at the time of the largest known flood, no reticulated supply for these services!

Water

Perhaps surprisingly, close to 70% (62 out of 88) of the responses indicate that water supply was not affected by the largest flood.

Sewerage

Approximately 60% (38 out of 66) of localities with sewerage experienced disruption.

Electricity

About half (44 out of 87) of the responses indicate that electricity supplies were disrupted.

Other significant disruption to services

This question invited comment on disruption to other lifelines. A number of localities reported that the communities were isolated from fire, ambulance or hospitals, these include Blackall, the Gold Coast (fire and ambulance), Ingham (fire) and Laidley is isolated from its hospital. In some cases the service buildings are inundated and for others, access was cut. Many other responses commented that the disruption, especially to the road network, hampered the provision of the full range of emergency services.

7.3 Summary

As a general statement, it is not possible to flood proof the transport links. Indeed, a large proportion of the payments under the Natural Disaster Relief Arrangements are too small, but areally extensive, LGAs to repair their extensive road network, including bridges, culverts etc that are usually unsurfaced and therefore, particularly liable to flood damage. However, there is a case to locally provide upgraded transport links especially where these form evacuation routes for the communities at risk. This has special significance for those exposed to storm surge where evacuation is critical and also applies to the siting of all key emergency service installations and buildings, especially police, fire, ambulance, hospitals and communication buildings for emergency management. Special consideration should also be given to the siting of dwellings that house especially vulnerable groups such as the elderly and infirm.

For service provision, water etc, flood proofing of key installations is of importance. Throughout Australia, measures to flood proof especially vulnerable points of all infrastructure should have a high priority. This subject has been highlighted by Emergency Management Australia (EMA) and many of the corresponding State agencies for special attention in the coming years. It needs to be stressed that many individual service providers have well formulated emergency procedures although there is a need to integrate the individual services to take account of consequential effects. For instance, the supply of electricity is often critical to the provision of water and sewerage.

8

The Implication for Estimates of Flood Damage

8.1 Background to flood damage

The questionnaire circulated to all LGAs in Queensland did not include questions that asked for estimates of flood damage in dollar values. This was a conscious decision as such estimates are only of use if they are based on a consistent methodology and definitions of what constitutes damage. Contemporary estimates, say of the kind given in newspapers, are little more than anecdotal and do not represent any form of sound economic appraisal. In order to formulate best practice urban floodplain management it is necessary to undertake detailed assessment of flood losses for a community on a consistent basis. Such assessments require :

- detailed hydrological studies to define the risk
- data on what is at risk - the vulnerability.

This report has demonstrated that hydrological studies of this kind (with information on the magnitude, frequency and extent of all floods to the level of the PMF, with floodplain velocities for flood flows etc.) are only available for a limited number of localities in Queensland. Information on what is at risk (buildings, lifelines etc) is only known for a handful of these.

The paucity of the background information necessary to assess flood losses in economic terms is such that any attempt to evaluate these at the State level is little more than a guess. However, the data from the questionnaire on the number of buildings does enable some comment on losses relative to other States.

8.2 Queensland – estimates of urban flood damage

This section will comment on the likely size of the State's flood losses and is followed by discussion on how this could be improved.

8.2.1 AWRC (1992)

The AWRC report provided estimates at State level for urban damage in Australia. Following normal practice these are most usefully expressed for comparative purposes in terms of **average annual actual damage (AAAD)**. In this context, 'actual' refers to losses after allowance has been made for the reduction to contents loss by the actions of the residents, ie. by lifting or removing items so that they are not inundated. The estimates given below are for tangible losses, ie. they combine direct and indirect losses but do not include any allowance for intangible effects.

The AAAD values given in the AWRC report:

- are at 1990 values,
- only include damages to the level of the 1 in 100 year event,
- do not include losses to lifelines.

With these definitions and qualifications, the AWRC (1992) AAAD values for Queensland, and the number of buildings at risk used in their estimation, are given in Table 8.1.

Table 8.1. AWRC estimates for tangible annual average actual damage (AAAD) for Queensland (AWRC, 1992)

	AAAD in $m	Number of Properties to 1 in 100 year level
Residential	16.4	21,000
Commercial	6.0	2,000
Industrial	7.1	750
Public	4.5	750
Total	**34.0**	**24,500**

The AAAD estimates in Table 8.1, which total $34 m, are based on accepted practice for damage estimation. Indeed, in many respects the methodology ranks among the best available in the literature. The major shortcoming is the poor data base for the number of buildings at risk (to the 1 in 100 flood level), the estimates used by the AWRC were provided by Queensland State agencies.

8.2.2 Flood damage estimates Insurance Council of Australia (Smith, 1996)

In 1996 the Insurance Council of Australia (ICA) commissioned a study to provide estimates of residential flood damage for Australia. The report (Smith, 1996) is unpublished but the following extracts indicate the results for Queensland. The methodology, with the exceptions summarised below, followed that used in the AWRC study.

The major change to the AWRC report was that total number of residential buildings at risk to the level of the 1 in 100 year flood was increased to 50,000. The revised AAAD, restricted to the residential sector, was $31 m, at 1990 prices to allow direct comparisons to the AWRC value.

The ICA study also made a tentative attempt, based on extremely limited information, to estimate the AAAD to the level of the probable maximum flood. The AAAD value to the PMF for Queensland was given as $75 m for the residential sector alone. Most of this additional damage was due to the potential losses from building failure for such extreme events, for example for Ipswich.

8.2.3 Revised AAAD for Queensland.

The revised estimate for the total number of flood prone buildings in Queensland (residential, commercial and industrial etc) to the level of the 1 in 100 year flood is given in Section 3.4.4 as 65,000.

Thus, a very provisional guesstimate of the AAAD for tangible flood losses in Queensland, for all buildings to the level of the 1 in 100 year event, is of the order of $100 m. This is obtained by scaling up the 50,000 estimate given in Smith (1996) and making some estimate for commercial and industrial damage (for purposes of comparability the AAD is in 1990 values).

If the AAAD is extended to include events to the level of the probable maximum flood, these estimates would be very much higher, perhaps by a factor of two.

The possible doubling of AAAD, when estimated to the PMF, is due both to the increased number of buildings at risk and to the increased risk of failure under extreme flood conditions. The changes to the AAAD should not be confused with the increased number of buildings at risk, estimated to be a factor of three (see Section 3.8). This is because AAAD takes into account event damages and their frequency.

There are grounds for considering that the damages could still be underestimates. This is because there may still be flood prone communities that, on the basis of the questionnaire, are inadequately assessed in terms of the numbers of buildings at risk. Further, the ratio of residential to commercial/industrial buildings in the AWRC report and the inadequate questionnaire responses for building type suggest that the overall losses may be too small. This is because unit losses for commercial/industrial concerns are much higher than for residential buildings.

What is now certain is that the Queensland has the highest AAAD for any State in Australia. Numbers of buildings at risk in New South Wales are comparable but more than twenty years of steadfast application of urban floodplain management has reduced the AAAD for some communities and halted the increase in flood prone developments for the majority of LGAs. At State level, Queensland has not reduced the risk and for many major flood prone urban communities the lack of effective land use controls or building regulations is such that the potential damages increase year by year.

8.3 Assessment of urban flood damage

Need to define direct and indirect costs in this section

Hydrological techniques and models are widely available for the estimation of the magnitude, frequency and extent of flood events, this is now equally true for methods to assess urban flood damage. These are based on the use of stage-damage curves for differing classes of buildings, a technique first described in the USA by White (1945), these methods subsequently became the basis for the Federal Flood Insurance Program in the late 1960s. Refinements of the stage-damage technique, based on work in the UK, are given in Penning-Rowsell et al (1977). One of the first applications in Australia of such methods was to assess the damage after the Brisbane floods of 1974, see SMEC (1975). A study of the flood damages for Lismore in New South Wales (Smith et al, 1979), also prompted by the 1974 floods, led to the development of a commercially available computer package, ANUFLOOD, to assess urban flood losses and as a method to evaluate the costs and benefits of a range of flood mitigation measures.

ANUFLOOD is described in detail in the *User's manual* (Taylor *et al.*, 1983) and the accompanying *Field guide* (Smith and Greenaway, 1983), both have been revised on a number of occasions. The program combines spatial information on flood hydrology (magnitude, frequency and extent), a building data base and stage-damage curves appropriate for the classes of buildings. Together these can provide estimates of flood damage in a variety

of forms, for example as event damages (say for the 1 in 70 year flood) or as average annual damage. Subsequent modifications to ANUFLOOD can (if flood velocity data are available) assess the additional costs due of building failure. The program has been modified, to ANUSURGE, for use to assess damage from storm surge (Smith and Greenaway, 1994). It is also possible to link ANUFLOOD (or ANUSURGE) to existing geographical information systems to produce output in terms in spatial information. This is essentially the basis of the AGSO Cities Program which is currently underway in Queensland.

Although ANUFLOOD and ANUSURGE are convenient packages, the principles are those accepted internationally as best practice for the assessment of flood damage, eg. White (1945), Penning-Rowsell *et al.* (1977). ANUFLOOD has been widely used by consultants and government agencies in New South Wales as a component of flood studies and as a foundation for floodplain management for well over fifteen years. More recently it has been used by consultants for studies in Queensland, for example the studies by Camp, Scott and Furphy for Rockhampton and Charleville, and ANUFLOOD is currently used as a basis by the DNR for flood studies in progress at Warwick.

In short, there are no technical barriers to the assessment of best practice flood damage estimates. A critical prerequisite however, is the availability of good quality hydrological data for the area under study.

The output of ANUFLOOD, and of similar computer-based programs, is usually in terms of direct, actual or potential, flood damage. The estimation of indirect damage is often undertaken outside the program. Indirect effects are much more difficult to define and are often assessed as a proportion of the direct losses. A more detailed discussion of the evaluation of indirect losses is given in Parker *et al.* (1986), a recent Australian account is available in Handmer and Thompson (1996).

Direct damage are those that result from the contact of flood water (and included sediment) with building structures and building contents. Indirect losses are essentially due to disruption caused by the flooding. For instance, a major category for the residential sector is the cost of alternative accommodation. For the commercial and industrial sectors indirect losses include loss of trading profit due to closure as a result of flooding. Indirect loses in the commercial and industrial sectors can be substantial and are relatively much larger than residential indirect losses.

Care is needed with the assessment of indirect losses to the commercial and industrial sectors. The choice is between financial losses (losses to individual firms comparable to insurance payments) and economic losses. The latter are usually less obvious and attempt to evaluate the losses to the regional, State or national economies. For example, if a beer bottle factory is inundated there are two possibilities to ensure continued production. One is that beer bottle production can be made up by other flood free beer bottle manufacturers, perhaps by working overtime, so that there is no overall loss to the economy; the other is that the lost capacity cannot be taken up elsewhere. In the former case the indirect losses, using economic criteria, are very small while in the latter case they are not. In the UK, the Treasury uses indirect losses defined on economic grounds, in Australia it has been the practice to use financial losses. Such questions are of significance in assessing flood damage, the differences in definition of indirect losses can have major effects on the cost benefit analysis of structural mitigation measures which are usually, in part, funded by State and/or national governments.

Direct and indirect damages are combined to give tangible losses. In many studies, especially overseas, these are usually in terms of potential losses and are not adjusted to allow for damage reduction to building contents by the residents, emergency services etc. In Australia

such measures are often incorporated into the estimates, this is the case with damage data given in the earlier part of this section.

Consideration and weighting should also be given to intangible losses, which by definition, are not (easily) converted into dollar terms. It is recognised that such effects can be important and include all forms of stress, illness and, in the extreme case, death resulting from flooding. In the commercial sector the intangible losses can include loss of business confidence, future contracts etc.

8.4 Summary

Due to the paucity of hydrological studies it is not possible to give other than guesstimates for the magnitude of the State's flood damages.

It is however, likely that average annual damages are higher for Queensland than for any other Australian State, that the Brisbane floods of 1974 were the most damaging flood event ever to occur in Australia and that the Gold Coast has among the largest potential for flood losses of any LGA in Australia.

Techniques to assess flood hydrology and damages are available and expertise in their use is widely available in Australia. That this is the case is illustrated by Queensland LGAs that have undertaken such studies, for example Rockhampton and Murweh. However, the number is meagre especially in comparison with New South Wales. The problem becomes how to encourage such studies to be undertaken for all urban flood prone localities in Queensland.

The publication of a manual for use by LGAs in Queensland that describes methods to be used for hydrological studies and especially for damage evaluation, would be a invaluable aid to LGAs to achieve the aim of best practice urban floodplain management.

It is stressed that the available techniques to assess potential flood damage are based on the evaluation of direct losses to buildings and their contents, guidance on a consistent methods to estimate indirect and intangible losses is also required together with advice on how to assess the effects on lifelines.

The comments above apply to the assessment of losses from riverine flooding, the situation for losses from inundation by storm surge is even less satisfactory. In this case there is much less opportunity to learn from the experience of the other States as the risks of damaging storm surge are much greater in Queensland than elsewhere in Australia. State of the art studies in this field are from the southern eastern USA.

9

Surge Inundation

9.1 The background

Surge, alternatively termed storm tide, is associated with the low atmospheric pressure accompanying tropical cyclones. This causes a localised rise in sea level which is at a maximum immediately below the eye of the cyclone. When the cyclone moves into shallow coastal waters the increase in sea level can be enhanced due to wind and wave set-up. It is however, difficult to provide reliable forecasts of the height of the surge at, and landward of, the shoreline.

The magnitude of the surge near-shore is controlled by a variety of factors of which the off-shore bathymetry and the (in plan) shape of the coast are particularly significant. As a guide, extensive off-shore shallow water increases the height of the open sea surge and the effects can be further enhanced if the surge is funnelled into estuaries or embayments. Figure 9.1 taken from Hopley and Harvey (1979) provides an indication of the effects of bathometry, the diagram shows depth correction factors. The higher the correction factor the more likely that open ocean effects will be converted into enhanced coastal zone inundation. In broad terms a factor of 2.0 indicates a doubling of open ocean surge while 0.5 indicates that it would be halved. The Gulf of Carpentaria is noteworthy for its high correction factors, in contrast to the relatively low values for Brisbane, south to the Gold Coast and to the border with New South Wales.

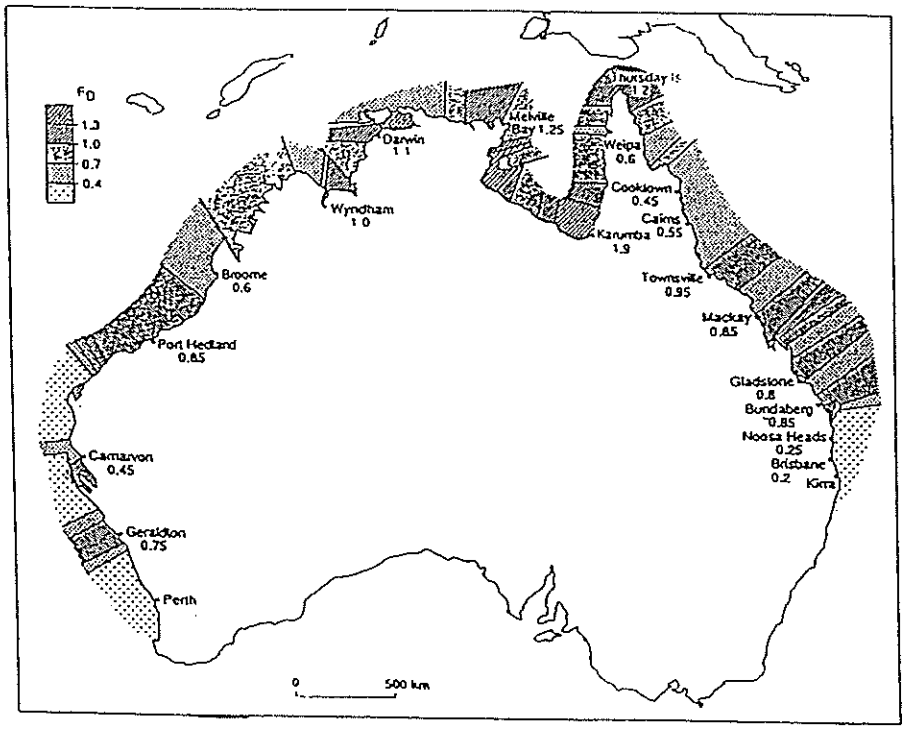

Figure 9.1 **Regional variations in depth correction factors, Fd, for the Australian coast, from Hopley and Harvey (1979)**

The need is for provision of estimates of surge height at specific locations but this requires detailed and complex calculations in order to translate the open sea surge into those that would apply at the coast. Such forecasts will never be precise because even small changes in the track of the approaching cyclone change the area at maximum risk. Over the last few years the Bureau of Meteorology, in part related to the Queensland-based Tropical Coastal Cyclone Impact Program (TCCIP), has undertaken 'state of the art' studies for storm surge at several east coast locations in Queensland. Such studies have included the major coastal low-lying urban areas of Cairns and Mackay. Notwithstanding this work, problems of forecasting surge are further complicated by the timing of the surge in relation to the prevailing tide and the problems of estimating wave height. During the course of a tropical cyclone, open sea wave height can be very large, but for most practical purposes (emergency management, damage estimation etc.) wave height needs to be added to the estimates of the height of storm surge which are normally reported in terms of 'still water'. The problem is especially important where surge inundates land and buildings beyond the landward limit of the highest astronomical tide. As a working rule wave height in inundated areas can be approximated to be half the still water depth, i.e. an inundation of 3.0 m of still water surge requires the addition of a further 1.5 m to allow for wave height.

Within the context of the present study, the focus is upon the risk of urban inundation from storm surge. To some degree, the whole Queensland coast is at risk from surge inundation associated with tropical cyclones and the urban risk applies to coastal settlements at low lying locations.

The inclusion of storm surge within a review of flooding is three-fold. This is because:

- the effects on buildings and services are similar to extreme river inundation,
- in many locations, urban areas subject to surge are also liable to river flooding,
- mitigation is best achieved by land use zoning and building regulations which are similar for riverine and surge flooding.

9.2 Surge inundation

A review of the effects of surge inundation on buildings with reference to Mackay is given in Tropical storm surge, damage assessment and emergency planning, Smith and Greenaway (1994). In summary, the effects of surge on buildings are much more severe than from river flooding, this is because of the power of wave impact on structures. In locations close to shore the best estimates, from the USA, indicate that for lightweight domestic or commercial structures there is a strong likelihood of complete failure if the depth of the surge (still water plus wave height) is in excess of 1.0 m over floor level. Severe damage could be expected for much more limited flooding over floor level. In addition, the salinity of sea water causes much greater damage to building contents than is the case for fresh water.

The implications for loss of life are therefore, extreme and far exceed those associated with river flooding.

Further, by definition, surge occurs in combination with extreme winds and rainfall associated with tropical cyclones. These factors are recognised by the emergency services in Queensland who, over the last five years or so, have been actively engaged in improving emergency response for areas liable to surge. A problem for the emergency services is that for the wind effects of cyclones, the preferred strategy is for those at risk to stay indoors, while for surge the need is for evacuation before the wind reaches velocities in excess of about 70 kph.

9.2.1 Surge and river flooding

Many coastal settlements in Queensland were originally sited on river estuaries and subsequent growth has often led to further urban development in low lying, near-coastal locations. Such sites are often, therefore, vulnerable to both river flood and surge. The problem with such sites is that a cyclone landfall in the vicinity of an estuarine town can cause inundation by surge followed, with a variable lag time, by river flooding resulting from intense rainfall in the upstream river catchment.

Mackay, on the Pioneer River, is a prime example for which information is available. In 1918, much of the settlement was destroyed by a surge event which was followed, some 12 - 24 hours later, by the flood of record. Indeed, it is difficult to distinguish from the contemporary accounts of the disaster which buildings were destroyed by wind, surge or river flood!

The conjunction of vulnerability to surge and flood in such locations emphasises the need for mitigation to consider both hazards in an integrated fashion.

9.2.2 Land use zoning and building regulations

The analysis of the questionnaires indicates that many flood prone LGAs in Queensland have regulations that, to some degree, recognise the need to introduce zoning and floor height regulations for river flooding. Similar or linked regulations for surge are uncommon. An exception is the recognition of the threat and related regulations, for new developments, by the former Mulgrave Council which are now in the process of incorporation for the enlarged area of Cairns City Council. Mackay, with a known surge risk, has no related zoning or building regulations.

There are clearly major difficulties for an LGA in introducing regulations for surge but this deficiency is in marked contrast to many other developed countries. The USA is a leader in this field and most States in surge-prone regions have rigorous planning requirements for new developments. Typically these prohibit buildings in the zone exposed to the 1 in 100 year surge unless the floor level is above inundation level and the construction meets stringent engineering standards. In addition, there is a requirement to provide acceptable escape routes in areas liable to surge. In the USA a 'V-zone' is recognised where surge would be accompanied by significant wave height (and therefore an enhanced risk of building failure). For most of the Queensland coast, the physical setting and exposure are such that the majority of the coast would be classified as 'V-zone'. In the USA regulations for surge are similar to those used there for flooding, and stem from the National Flood Insurance Program which is subsidised by the federal government and provides cover for both river flooding and surge - provided that local government adopts planning regulations for new developments.

The occurrence of major surge events for existing urban locations in Queensland is of relatively low frequency but with a magnitude that has potential for huge damages and loss of life. The lack of State or local zoning and building regulations for most of the Queensland coast needs to be urgently addressed.

9.3 Where is the risk?

For over twenty years there have been attempts in Queensland to define the likely magnitude of storm surge, especially for the east coast. In common with overseas studies, there is little information on the vulnerability of the urban areas at risk. The Department of the Environment (notably the Beach Protection Authority) published a series of storm surge

studies, based on computer simulation, in the late 1970s, for a range of locations from Cooktown in the north to the Gold Coast in the south. The component reports include estimates of surge heights for the 1 in 100 year event and many also give estimates for the 1 in 500 year surge, these are for still water levels and do not include wave height, wind set-up etc. The Department is currently preparing a review entitled, *Storm tide threat in Queensland.*

There is also a series of storm tide maps, published in the mid-1970s by the Queensland State Survey Office, again for a selection of east coast locations, these include Cairns, Mackay and Townsville. These are designed for use by the emergency services and are basically shaded layered contour maps.

Other useful information is given in Storm tide: warning-response systems (SCDO, 1992). This lists 'all known centres of habitation on the Queensland coast' and gives the height of 'the assumed highest tide' and highest astronomical tide (HAT), together with comments on evacuation zones (up to 1.5 m, 1.5-3.0 m, and 3.0-4.5 m). It also presents brief comments, where known, on the 'inundation of any developed area'. For some locations SCDO (1992) also provides estimates of the surge height for an event with a 1 in 500 year annual recurrence interval. Where appropriate, this is given in Table 9.1. These values for surge height are added to the sea water level current at the time of the event, i.e. allowing forthe state of the tide etc. The aim is to give a broad indication of relative surge risk rather than any kind of precise estimate. No indication is given of the wave height that should be added to the still-water levels.

9.3.1 Mackay, Cairns and Townsville

More recently detailed building-by-building surveys, suitable for use as geographical information systems (GIS) have been undertaken for Mackay and Cairns. Details of the results for Mackay are available in Smith and Greenaway (1994) and Granger and Smith (1995), at both locations details of the hazard are available from recent studies. A summary of the surge data for Mackay is given in Table 9.2.

A comprehensive building data base has been prepared for Cairns by K. Granger (AGSO) and A. Zerger (CRES, supported by an IDNDR Postgraduate Scholarship). Provisional analysis for a near probable maximum surge height of 5.0 m (above HAT) indicates that a total of some 13,000 buildings would be affected with the majority experiencing over floor inundation. Of the total, approximately 10,000 are dwellings and the remainder commercial buildings including major hotels.

To date, there is no data on potential building failures but it can be anticipated that these would be large in number. The estimates are for a still water level, i.e. wave height is not incorporated. Equally important would be the damage to lifelines which would cut power, water and sewerage; road, rail and air traffic links, and thereby totally isolate the Cairns region. Full details of the analysis for Cairns should be available in the next few months.

Much of Townsville is low-lying and liable to surge but to date, to the best of my knowledge, there are no reliable estimates of the numbers of buildings at risk. However, for a low probability surge event these could likely total several thousand.

Table 9.1 LGAs reporting a surge problem, map availability and SCDO (1992) estimates of height of 1 in 500 year surge

LGA and sites listed		Map available	SCDO Surge height 1 in 500 year
Bowen	(Queens Beach)	yes	2.6m
Burnett	(Bundaberg Point)	yes	
Caboolture	(various locations)	yes (some locations)*	
Cairns	(City and Northern Beaches)	yes	2.5m
Calliope	(Tannum Sands, Boyne Is.)	yes	
Caloundra	(Kawana Waters)	yes	
Cardwell	(Tully Heads, South Mission Beach)	yes	2.35m
Carpentaria	(Karumba)	no	
Cook	(Ayton, Cooktown)	yes (simplistic)*	1.85m
Douglas	(Port Douglas)	yes	
Gladstone		yes	
Gold Coast		no	1.45m
Hervey Bay		yes	4.2m
Hinchinbrook	(L. Tully)	no	3.1m
Johnstone		yes (in part)*	2.45m
Livingstone		yes	4.7m
Mackay	(City and North Mackay)	yes	4.8m
Noosa		no	
Pine Rivers		yes	
Redcliffe		yes	
Redland	(Bay Island)	no	
Sarina	(various locations)	yes	5.0m
Thuringowa		yes (inaccurate)*	
Tiaro		no	
Townsville	(City)	yes	3.7m

* Comments as given in the questionnaire responses.

+ 1 in 500 year surge height from SCDO (1992) is the still water level, i.e. no allowance for wave height. wave set-up etc. The estimate is added to the tide height predicted for the time of the surge. Given solely as an indication of relative risk.

Table 9.2 Mackay – number of buildings at risk from inundation and failure in relation to probability of storm tide

	1 in 20 yr 4.0 m	1 in 50 yr 4.70 m	1 in 100 yr 5.20 m	1 in 1000 yr 6.60 m	1 in 10,000 yr 7.90 m	Probable maximum storm tide 8.50 m
Mackay residential						
No. of buildings, overground flooding	154	2879	3576	5268	6263	6531
No. with overfloor flooding	885	1877	2760	4593	5890	6256
No. of building failures	0	885	1748	3740	5299	5714
Mackay commercial						
No. of buildings, overground flooding	118	355	434	1040	1123	1154
No. with overfloor flooding	66	295	419	1001	1122	1150
No. of building failures	1	66	250	558	1067	1094
North Mackay residential						
No. of buildings, overground flooding	26	82	406	912	1104	1147
No. with overfloor flooding	2	42	207	799	1055	1112
No. of building failures	0	2	20	552	925	1055
North Mackay commercial						
No. of buildings, overground flooding	2	27	63	117	127	129
No. with overfloor flooding	0	26	59	117	127	129
No. of building failures	0	0	10	92	125	127

Based on wave height assumptions given in FEMA (1986)

It is likely that Cairns and Mackay pose the greatest threat in terms of number of buildings but comparable studies are urgently needed for other surge-prone settlements before any reliable estimate can be given as to the overall size of the problem in Queensland.

9.3.2 Gulf of Carpentaria

The quality and detail of information on the potential surge risk for the Gulf of Carpentaria is much less than for the more populous east coast. The risk is known but there is little knowledge of the magnitude, frequency and inland extent for the rarer, i.e. the low probability, events. The vulnerability of Karumba, with a resident of population of about 400, is recognised and there are established evacuation plans for the whole settlement, all of which would be inundated by even a moderate surge. Evacuation is to Normanton along 70 km of low-lying road. However, this link could easily be severed by cyclonic rains and there is a need for better designed surge refuges. Acceptable designs however, require knowledge of the height of extreme surge conditions. Further to the west, Burketown presents an equally severe risk and a number of people were drowned there by surge in 1887.

9.4 Responses to the questionnaire

Only three questions directly address the problem of storm tide.

Question 3.1 Asked '... *does a storm tide problem exist*?'

Question 3.2 Requests the date of the last event which caused the flooding of buildings.

Question 3.3 Enquires if a storm tide map exists.

9.4.1 Does a problem exist?

A total of 25 LGAs replied that they had a storm tide problem, in several cases this applied to several locations within their area. A list of the LGAs at risk is given in Table 9.1. This confirms that virtually all coastal LGAs in Queensland acknowledge the risk of surge. The non-respondents of Burdekin and Torres Is. are also known to have a storm tide problem. The magnitude of the risk, in terms of numbers of buildings, varies and reflects the exposure of low lying structures.

For some locations the height of likely surge events is restricted but even for these localities the indirect effects could be considerable. The Gold Coast falls in this category with the likelihood of surge having adverse effects on flood height together with the additional problem that, in some locations, it is possible that extreme surge could break through the coastal dunes and cause direct inundation.

9.4.2 Date of last damaging surge?

Some two thirds of the LGAs reporting a problem provided dates for the last surge event to inundate buildings. These are listed in Table 9.3. In four cases these were from the 1990s although for all of these the damage was relatively small. Mackay and Sarina, with catastrophic losses in 1918, have not experienced a significant surge event in the last 70 years.

9.4.3 Storm tide inundation maps?

Table 9.1 also lists whether or not LGAs have storm tide maps. Nearly three quarters (16 out of 25) report that they do, although it is significant that several of those draw attention to their limitations e.g. 'simplistic', 'only for some locations' etc. Similar reservations are also likely

to apply to others that responded that they had storm tide maps, it is suspected that in many cases they are limited to coloured-layered contour maps. Although these are of use for evacuation procedures for the emergency services, they have little scientific foundation and do not express risk in terms of frequency, i.e. they are not comparable to flood maps that show the limits of the 1 in 100 or 1 in 50 flood event.

Table 9.3 Local Governments reporting building damage from storm tides

LGA	Year of storm tide damage
Bowen	1980
Burnett	1942
Cairns	1979
Carpentaria	1976
Cook	1976
Gold Coast	1974
Hervey Bay	1992
Johnstone	1996
Mackay	1918
Maryborough	1976
Noosa	1992
Pine Rivers	1993
Sarina	1918
Thuringowa	1971
Townsville	1971

9.5 Surge in Queensland - a summary

Flooding from storm surge is a potential problem for all low lying coastal areas of northern Australia that experience tropical cyclones. In terms of urban surge risk the problem is especially significant for Queensland, a fact recognised by the majority of coastal LGAs responding to the questionnaire. However, there is a paucity of detailed information on hazard risk that is based on 'state-of-the-art' scientific methodology. Where this has recently become available, for example for Cairns and Mackay, studies have demonstrated the massive potential for damage and for loss of life. It is not possible to state with any certainty the numbers of building in Queensland that are directly at risk from extreme storm surge events but a conservative estimate would indicate a value of the order of 40-50,000.

The impact of a major storm surge on an urbanised community would result in building and infrastructure failure that is akin to that normally associated with an earthquake rather than with riverine flooding.

Only a limited range of questions concerning storm surge were included in the questionnaire. However, it is clear that more resources need to be devoted to this problem in order to assist

LGAs to better define the risk. It is noticeable that much of the recent research on hazard risk and vulnerability to surge has been funded by Commonwealth agencies rather than by the State government.

Unlike river flooding, the problem is concentrated in Queensland and therefore, there is not the same opportunity for the transfer of methodologies and experience between States. Succinctly, inundation of urban areas from storm surge is dominantly a Queensland problem.

In order to lessen further impact, better risk definition will need to be followed by the adoption of land use zoning and building regulations similar in form to those discussed for river flooding in Section 11. The implementation of such measures will not be an easy task and should ideally, be linked to changes and improvements to similar measures for river flooding. Such actions should not be delayed until their significance becomes apparent in the aftermath of the next major surge to impact upon a low lying urban coastal community. There is the need for a review of Queensland's planning and management for surge to match that underway for urban river flooding.

10

The Questionnaire – A Summary

10.1 Response to the questionnaire

This study reports on the state of urban floodplain management in Queensland and is based on a questionnaire sent all to LGAs. Responses were obtained from 103 LGAs and provided information on 133 separate locations. These do not include the flood prone creek catchments in Brisbane or those for the Gold Coast, these are discussed separately in Section 4. The majority of the non-respondents were LGAs that are unlikely to have a urban flood problem, in many cases because of their small and dispersed populations. There were difficulties in designing a questionnaire suitable for LGAs that range in population size from Brisbane City Council to areally extensive, but sparsely populated, local government areas in the west and north of the State. Despite these qualifications, the survey provides, for the first time, comprehensive State-wide data which permits comments to be made on the current state of urban floodplain management and provides a background to suggestions for State policy.

The questionnaire indicates that 92 LGAs have an urban flood problem, if non-respondents are included this becomes 96 out of a State-wide total of 125 LGAs..

10.2 Numbers of buildings at risk

The simplest, and most commonly used, indicator of size of urban flood problems is the number of buildings at risk from the 1 in 100 year flood event. Few LGAs have reliable information on the extent of such a flood and even fewer have information on the number of buildings at risk.

Based on the questionnaire, and including an allowance for non-responses, the number of urban buildings in Queensland at risk from 1 in 100 year flood event is estimated to be about 65,000. For an unknown proportion of these properties, 1 in 100 year flood inundation would not exceed building floor level.

The data are inadequate to classify the properties into separate categories, i.e. residential, commercial etc. There is some evidence that the ratio of residential to other buildings is less than in other Australian states, provisionally it could be assumed that some 25% are non-residential.

Table 3.5 provides a ranked list of the 12 most flood prone LGAs in terms of the number of buildings at risk at risk, these account for some 60 % of the State total.

The area administered by the Gold Coast has the distinction of having one of the largest number flood prone properties (dominantly residential) not only in Queensland but in Australia. The council has completed detailed assessment, including potential damage, for the Nerang catchment and has studies in progress or planned for the other catchments in its area.

It is salutary to note that, until the last year or so, there were no detailed data available for the Gold Coast on the number of properties at risk, that Charleville was not regarded as having a major flood problem until the floods of 1990, the potential magnitude of river flooding for Mackay was not known until 1994 and the size of the flood problem in Queensland was

reported to the AWRC national study, in 1990, as comprising only 25,000 properties. It is perhaps, tempting fate to suggest that as a result of the current survey that there will be no more major additions to the list of flood prone communities. However, it is thought unlikely that any major new urban centres will be added to the list given in Table 3.5.

10.3 Extreme floods

It has been stressed throughout this report that the 1 in 100 year flood line should not be regarded as separating flood prone areas from those that are flood free. Only 11 localities had any detail of the size of the probable maximum flood, the worst case event, and of those only 8 had the information available in map form. The number of properties at risk from the probable maximum flood is much larger than for the 1 in 100 year flood and it is not impossible that the number to the limit of the probable maximum flood could be more than three times larger. Many of these additional buildings would only experience over-ground, as opposed to over-floor, flooding but the consequences for some localities is that lightweight structures at lower levels are at risk of structural failure.

10.4 Flood height range

The number of properties at risk from the 1 in 100 year event is only one indicator of flood risk, another is the flood height range which is the difference in flood depth (indicated by heights on flood gauges) between, say, the 1 in 20 and 1 in 100 year floods. There are large variations in the flood height range between localities, examples for some of the major flood prone communities are given in Table 1.1, these range from about 3m to in excess of 20m. Precise data of this kind, i.e. based on detailed hydrological studies, are uncommon in Queensland but a guide can be obtained from the levels of minor, moderate and major floods available from the Bureau of Meteorology.

High flood ranges, associated with even relatively low flood velocities, greatly increase the risk of building failure especially for lightweight structures, eg. detached single storey weatherboard dwellings. The significance of extreme floods, above the 1 in 100 year event to the level of the probable maximum flood, is especially marked for communities with a high flood range.

Table 1.1 can be used as a guide to localities where flood height range is of major concern. The situation for Ipswich, confirmed by the failure of over 30 dwellings in the 1974 flood, is the most severe example in Queensland in the last thirty years.

10.5 Flood warning systems

Much of the State, especially Brisbane and the south-east, is well provided with locally-based flood warnings, most based on ALERT installations. Quantitative flood forecasts from the Bureau of Meteorology are available for many other communities with a known urban flood risk and the situation is one of continued upgrading and extension although smaller and remote communities do not have the benefit of such services. However, the lack of basic data on what localities are flood prone has been a problem for the Bureau, all too often communities with a major urban risk have only become apparent after a major flood has occurred.

Information provided by the Bureau, and reproduced here as Appendix 5, shows that the length of the flood warning time (with the current provision of field instrumentation and techniques) is, for the majority of flood prone locations, less than 12 hours.

Such short warning times form a further indicator of flood risk. A warning time of less than 12 hours gives much less time to evacuate, reduce losses and to reduce stress and anxiety than a warning time of several days.

As is almost universally the case, improvements to flood forecasts demonstrate the need for better community response in order to more fully capture the benefits of enhanced warnings. The questionnaire responses confirm that there is scope to more fully integrate flood warnings into LGA emergency plans and flood policy. The need is now, to incorporate improved forecasts and warning times into a comprehensive flood warning system which includes better community awareness and response.

10.6 Priority listing of flood prone urban communities

The preceding sections have stressed that urban flood risk is an amalgam of the current numbers of properties at risk, the flood height range and the length of warning time that can be provided to reduce tangible and intangible losses. Hence, the three factors that together define vulnerability are:

- size of the existing problem
- flood height range
- flood warning time.

It is not possible to rank these factors in a truly quantitative manner but qualitative guidance can be given based on an A, B, C system. This is presented in Table 10.1, where A represents a high rank for a specific factor, B is moderate and C is relatively less important. Thus, three As indicate a high priority on grounds of overall vulnerability and three Cs a much lower ranking.

The three factors provide a ranking of flood risk but do not of themselves indicate the state of information and response. For example, Brisbane has excellent hydrological background information (although currently under improvement for the main Brisbane River), local flood warning systems but relatively poor information on the buildings at risk. This handicaps measures to increase community awareness and response although it would not be a difficult matter to combine building data with existing geographical information systems. Until the last year or so, the Gold Coast (including the former Albert Shire) had only scant information on the number of properties at risk. Within a short time studies, now complete for the Nerang catchment but underway elsewhere, have completely transformed the information base. Rockhampton and Murweh (e.g. Charleville) are among the few LGAs that have close to best practice information on all aspects of vulnerability, including potential flood losses.

The ultimate test is not restricted to the availability of a full information on vulnerability but its use to formulate acceptable locally based urban floodplain management. Such management requires full data on vulnerability but such availability does not guarantee its use to establish acceptable local policy.

Table 10.1 is limited to communities that are known to have a relatively large number of buildings already at risk from flooding. There are many more small communities which would likely have a high ranking of vulnerability in terms of flood height range and flood warning time. The need here, as with those listed in Table 10.1, is for background studies in order that future developments do not increase future flood risk.

Table 10.1 A ranking of the vulnerability of major flood prone communities in Queensland

LGA and location	Number of buildings	Flood height range	Effective warning time
Gold Coast	A	C	A
Mackay	A	B	A
Brisbane			
Brisbane River	A	B	B
Creeks	A	B	B
Dalby	A	A	A
Ipswich	A	A	A
Hinchinbrook (Ingham)	A	B	A
Logan	A		
Logan River		B	B
Creeks		B	A
Murweh			
Charleville	B	B	B
Augathella	C	B	A
Rockhampton	B	C	C
Burdekin	B	B	B
Cairns (inc. Mulgrave)	B	C	A
Caboolture	B	?B	A
Blackall	C	B	A
Gympie	?C	A	B
Johnstone (Innisfail)	B	C	A
Balonne	C	C	A
Gulf Rivers (Normanton)	C	A	C

It needs to be stressed that some of the major flood prone communities were close to green field sites at the time of the extensive floods in 1974. It is not possible from the present information base to give any firm data on the increase in the size of the problem over the last twenty years or so but there is no doubt that it has been significant. The Gold Coast is a prime example of this but undoubtedly the expansion of developments, many of which are dominantly residential, into flood prone sites has been a State-wide phenomenon.

10.7 Background studies in hydrology and mitigation

The survey results show that hydrological studies are available for only some 40% of flood prone urban localities; note that 'localities' are sub-sets of local government areas. However, what is meant by 'hydrological studies' and the purposes to which they are put are quite different questions. It would appear that only 28 localities have used this information as a basis on which to define a designated flood that is at the level of 1 the 100 year flood (or better). A disturbingly large number of the major flood prone communities do not have a designated flood to an accepted level.

Hydrological studies are necessary to define hazard risk and the next step along the path to effective floodplain management is to investigate the potential flood damage to existing developments. This has only been undertaken by for 11 localities, see Table 5.2 for detail. Again many high priority flood vulnerable locations do not fall into this group.

Only 35 responses to the questionnaire reported that there is a 'flood policy' in place. The number of councils that have a policy for urban flooding is unacceptably small and often, where such a policy exists, the information on which it is based is inadequate.

10.8 The use of mitigation measures

Mitigation measures are divided into structural and non-structural, the detailed responses are described in Section 5.8. Only 29 localities reported that they used structural measures. Levees are used at 13 of these although few are extensive systems designed to protect larger urban flood prone communities to the level of the 1 in 100 year event. The use of other structural measures is limited to a small number of localities. For example, dams utilised for flood control are few and in all cases are restricted to locations downstream of dams developed primarily as water resource storage's; although for Brisbane, and to a lesser extent Townsville and the Nerang catchment, they have significantly reduced future flood losses especially for minor and moderate flood events. Their smaller equivalent, flood retention basins, are rarely used to reduce the adverse effects of mainstream flooding although they are more widely used to mitigate the effects of flooding associated with stormwater drainage..

It is especially noteworthy that flood proofing, especially the raising of weatherboard dwellings, located in flood prone locations, is rarely reported and there are no reports of the flood proofing of other types of building. Channel improvements are another example of a structural measure used on a local basis although these have been used more extensively and to good effect in some of the smaller developed Brisbane Creek catchments. Voluntary acquisition of dwellings in especially hazardous locations is rarely used.

The relatively low rate of adoption of structural measures for existing flood prone developments is not necessarily an indication of poor floodplain management. Indeed, the construction of major levee systems and other structural works can have adverse implications for community awareness and behaviour and create problems for emergency management. It is probable, however, that the relative paucity of such mitigation measures in Queensland more likely reflects problems with low level State funding to assist LGAs to construct, what are often, expensive works.

Nonstructural measures, usually involving the use of land use controls and building regulations within the area delimited by the designated flood, are reported as used at some 66 locations. Some 36 of these combine land use and building controls measures although many of these lack essential hydrological information.

The use of fill, to elevate habitable floor levels above the level of the designated flood, is widely used throughout Queensland, to a much greater extent than elsewhere in Australia. For such techniques to be effective it is essential that the impact of cumulative fill decisions on flood levels is fully known. It is suspected that often this is not the case and that the widespread use of fill for new developments is not consistent with sound urban floodplain management. It is certainly necessary to carefully control the afflux effects especially when a catchment extends across a number of LGAs.

Despite the use locally of a range of mitigation measures there is scope for the experience of LGAs who have used such individual measures to share their experiences with others who

have not. This applies especially to structural mitigation. It would invaluable if examples of the successful (and even the unsuccessful) use of such measures could be used as illustrative examples in a State manual designed for use by LGAs throughout Queensland. Relative to urban floodplain management in New South Wales, the adoption rate of structural and nonstructural mitigation measures is low.

10.9 Summary

The details of the individual responses to the questionnaire are given in Appendix 1, and an analysis of the overall pattern for the State in the preceding sections. The responses to the questionnaire have enabled a much fuller account to be presented of the urban flood problem than was previously possible. Caution is urged in placing undue weight on individual responses but the overall pattern provides a valuable background against which to assess the problem of urban floodplain management in Queensland and a basis upon which to recommend future improvements.

There is no doubt that increased contact between elected representatives and professional staff of councils, with and without adequate floodplain management policies, would lead to the sharing of information and experience. Such meetings of councils with urban flood problems have been held annually in New South Wales for over thirty years and, it is suggested, would be invaluable in Queensland

11

Towards Better Urban Floodplain Management

11.1 Effective floodplain management – the steps

The steps necessary to provide the information integral to effective urban floodplain management have been stressed throughout this report. In summary they are:

i. hydrological studies

ii. analysis of what is at risk- combined with hydrology to give vulnerability.

iii. decision on the appropriate designated flood

iv. flood management plans for:

v. new developments

vi. residual flood risk

vii. existing flood prone developments

viii. adoption of measures into local planning regulations.

11.1.1 Steps (i) & (ii) - hydrological and risk assessment studies

'Flood studies' incorporate the first two steps in the process. The hydrological studies define the flood hazard risk, they should use the best available modelling techniques and use all available information on historic floods. The studies should include data on all floods to the level of the probable maximum flood and information on over-floodplain velocities especially for the more extreme events.

Once the hazard is so defined, a survey should be undertaken of all buildings (and ideally infrastructure) that is at risk, this should include all buildings, residential, commercial/industrial etc. Information to be gathered should include ground and floor heights, type of construction and, for the commercial/industrial, size, use and estimates of liability to flood loss. Stage-damage curves should be constructed or obtained for each of the major building classes recognised in the field survey. Guidance to the detail is given, for example, in the ANUFLOOD manuals.

The output can be combined with geographical information systems (GIS). This forms an excellent method for storage and, for many LGAs, can be linked into GIS for other information available for the area. GIS methodology also allows for rapid appraisal of the effects of floods of differing magnitude and frequency.

The flood hydrology and what is at risk (buildings etc), are then combined to give estimates of all forms of flood damage for a range of flood events. Such analysis forms the basis for the adoption of the designated flood level. Background to damage estimation is given in Section 8.

11.1.2 Step (iii) – the designated flood

Decisions on the choice of the designated flood are the key to successful urban floodplain management, this is because the designated flood determines where future developments will be located. Worldwide the tendency has been, regardless of local circumstances, to select the 1 in 100 year flood as the designated flood. There is no scientific or economic basis for a universal selection of this kind. Throughout this report it has been stressed that the flood risk is dependant on local circumstances of which flood height range is especially significant.

Decisions of the designated flood should, be made at the local level and consider all aspects of the flood background; hydrological, socio-economic and safety factors. For some flood prone locations the 1 in 100 year flood would form a sensible choice for the designated flood, for others it would not. In some instances, i.e. where there is a high flood range, a level approaching the 1 in 50 year is likely to be a better choice. For others, say with a lower flood range and low velocity flood flows, it could be closer to the 1 in 200 year event.

Because of the overwhelming importance of local factors and the costs and benefits of the choice of the designated flood, the local community should play a major role in the discussion. However, the decision should be made within floodplain guidelines decided by the State government. There is a case to be made that final approval for local plans should be at State level, if only to ensure that the decision has been made on the basis of best practice analysis from the flood studies.

If LGAs are reluctant or slow to comply with State guidelines, there is the option of superimposing an interim designated flood. Reluctantly, it is suggested that this could be the 1 in 100 year event although even in that case the imposition of a more severe standard for locations with a high risk should be considered.

The role given to the State government is, in part, because it is responsible for relatively large proportions of flood relief payments and for the safety of its citizens. To attain these aims, which will be considered in more detail below, the State government also has responsibility for assistance with funding the studies and mitigation measures.

11.1.3 Step (iv) – flood management plans

New developments

Once the selection of the designated flood has been made, the next step is to consider the regulations that apply to new developments. These will be based on land use zoning and building controls within the area delimited by the designated flood. They may vary from no new construction whatsoever, to controls on habitable flood levels with the possibility of different controls for different uses, eg. restricted residential but allowable commercial and industrial development. Again much will depend on the local flood hydrology. At this stage the possibility of building failure due to extreme floods may require the definition of sub-zones for land use and building controls. For example, especially vulnerable uses (hospitals, emergency service facilities, homes for the elderly etc) may require additional limitations on siting. It is also import to consider the location of flood free evacuation routes and available flood warning times. Locations that could become 'islands' at times of flooding need special attention.

Residual flood risk

A major problem for the formulation of flood policy for urban areas is that there are usually existing flood prone developments, often extensive, located below the level of the designated

flood. Such development frequently forms the major barrier to policy formulation. The problems are several. First, whether or not to provide mitigation measures and secondly, to agree policy for future re-development of existing buildings. Stakeholders representing existing flood prone developments will normally press for structural solutions to reduce their flood risk. Such measures are often expensive and beyond the ability of the LGA to fund and rarely produce a complete solution, i.e. most structural measures retain a residual flood risk. For some locations the upgrading of flood warning systems provides a partial response. The problem is that those at risk are reluctant to pay for the reduction of their risk, those with no risk feel equally strongly that they should not be required to contribute to the costs.

Clearly, there is no easy solution to this problem. It can be said however, that local community debate aided by clear and accessible information on the costs and benefits should be encouraged prior to a decision.

Residual risk

This is of major concern to the emergency services and is an aspect of flood management that is often ignored or poorly handled. First, it is essential that the community is aware that any designated flood (apart from the probable maximum flood!) leaves a residual risk of flooding. Second, that any structural mitigation measure carries with it the risk of exceedance of the design criteria (often the designated flood) or of structural failure. It should be recognised that any structural solution needs to be accompanied by a corresponding emergency plan and that the costs of the emergency measures should be included in the overall costs and benefits.

If the flood study data are incorporated into a GIS, this offers an excellent way of demonstrating the extent and costs of the residual flood problem. A key to the reduction of the effects of residual risk is the availability, or installation, of a flood warning system which should incorporate a well formulated program for community awareness and response.

A simple and inexpensive method to improve awareness and response is the installation a series of flood markers throughout the flood prone areas. These should show the level of the flood of record and also repeat the heights given on the town's flood gauge. This is critical to give meaning to flood forecasts for the residents of the flood prone area. However, in Queensland and elsewhere such simple methods are rarely implemented because of concern of the possible adverse effect on property values. Such flood markers should be obligatory in local and State policy.

11.1.4 Step (v) – implementing a local flood policy

The final step is to implement the local flood policy and to incorporate the designated flood, land use zoning and building controls into the local planning scheme. It would appear from the questionnaire, and in Smith et al (1996), that State planning legislation to allow for effective local planning is confused. If this is the case, and discussions with many Queensland officials confirm that it is, it is necessary to clarify, and perhaps change, the situation. Without such clarification, the implementation of best practice management at LGA level will be jeopardised.

11.2 Background to hazard policy

It can be argued that relationships between national, state and local governments for hazards differ in style to those of other inter-governmental interactions. The higher tiers of government tend to place a greater emphasis on matters of safety and are concerned to establish best practice procedures for hazard management at local level. To this end they are willing, to a degree, to provide assistance to achieve these aims. Such assistance is usually

tied to the lowest tier, local government, adopting planning measures to reduce the risk. In addition to assistance for mitigation and funding emergency procedures, higher tiers of government assist with relief aid in the aftermath of a disaster.

The perception from local government is somewhat different. Frequently local government, which is directly responsible to the local community, perceive attempts to impose planning controls from above as unwarranted interference that is counter to local development. The community, all too often, regard the occurrence of a damaging disaster to be that of a very low risk which can be ignored. When the rare event occurs there are commonly two responses:

- requests for assistance to recover from the event;
- the search for a scapegoat, for example the council '... gave us permission to built here without telling us it was hazard prone'.

This outline of the problems of hazard management and governance is not unique to flooding, to Queensland or to Australia but is common among developed nations regardless of hazard. It is for example, a major on-going problem for planning and building regulations for earthquake risk in the USA. A detailed recent account of the problem, using flood hazard as an example, is available in *Environmental Management and Governance-Inter-governmental Approaches to Hazards and Sustainability*, (May *et al.*, 1996). This presents international comparisons between New Zealand, New South Wales and the USA.

11.2.1 Policy responses

The study by May *et al.* (1996) describes the public policy options available to governments for hazard management as a representing a spectrum from coercive to cooperative approaches.

Coercive policies, as used in for example Florida, are at one extreme and marked by the State government setting rigid rules and timetables to which local governments must comply. Local flood plans, follow a pattern determined by the State, and are required to be submitted by a set date. Non-compliance results in severe fines and reductions in State contributions to a range of services. It needs to be added that there is State assistance for the production of such plans and the possibility of assistance with funds for any subsequent approved mitigation measure.

At the other extreme, a co-operative approach, the State provides flood planning guidelines but leaves local government to decide on local policy within a broad framework. Again funding from the State is required for success.

11.2.2 Lessons from New South Wales

New South Wales was used in May *et al.* (1996) as a detailed case study and a lengthy questionnaire was completed by some 100 LGAs to provide background data. Prior to the mid-1980s New South Wales government had, for some ten years, followed a flood policy that had many elements of a coercive approach. LGAs were required to use the 1 in 100 year event as the designated flood, if they did not they were legally liable for any flood damages suffered by those to whom they gave planning approval. This policy was accompanied by the production, by State agencies, of some 70 high quality flood maps for many of the flood prone urban communities. In 1984 community concern over provisional flood maps on display for public comment for Fairfield (an inner Sydney council) at the time of a State election resulted in a major shift in policy. This event acted as a focus for widespread dissatisfaction with the coercive policy by councils statewide. In 1985 the draft of the New

South Wales flood manual was released (NSW PWD, 1986) and a new 'merits based' policy introduced.

The 'merits based' policy can be regarded as representing a cooperative approach, it has remained in force ever since. LGAs were encouraged to establish community floodplain committees to oversee the steps outlined in the preceding section of this report. Overall, the policy has met with favour from LGAs and a large number of flood prone communities have now progressed to the stage where their decisions are formalised into local planning schemes. Interestingly, virtually every LGA selected the 1 in 100 year as the designated flood, a decision that they violently opposed under a coercive policy. This is in spite of advice from State agencies to consider alternative definitions.

A unique feature of the New South Wales approach is that if LGAs follow the guidelines given in the flood manual that the council and its staff are exempted, in legislation, from future action over duty of care for flooding decisions. This was welcomed by LGAs and undoubtedly played a major role in the favourable response of LGAs to the post-1985 cooperative policy.

It is again necessary to state very clearly that the New South Wales government has been prepared, over many years, to make available financial and technical assistance to flood prone LGAs. In the early 1990s the State contribution was of the order of $10 m annually, matched by a similar sum from the Commonwealth, LGAs in general contributed 20% of the costs. This applied to funding for flood studies and to the cost of structural measures, all of the latter were required to show a favourable cost benefit ratio based on rigorous analysis of the damage costs which were available from the flood studies. Assistance from the State government has also included analysis of flood hydrology and other technical advice on a range of flood related issues. To these ends permanent, well-staffed, well-qualified and resourced units devoted to flood management have been maintained at State level for well over twenty years.

Overall, the cooperative flood policy followed in New South Wales can be counted as a success. Precise data are not available but the rate of increase of developments in flood prone areas is very small and the potential for damage to existing flood prone developments has been reduced. The only problem with a fully cooperative approach is that LGAs, if they so wish, need not participate. Such a decision however, means that funding for mitigation measures is not available and they still face possible liability under duty of care.

11.2.3 Commonwealth assistance

For many years the Commonwealth provided assistance on a 40:40:20 basis (Commonwealth, State, local) funding basis for approved schemes for flood studies and mitigation. This was originally part of the Federal Water Resources Assistance Program (FWRAP) and, later, the flood component was administered by the National Landcare Program. Queensland did not participate, in any major way, in this process as the State lacked information on which to promote claims for assistance.

The Commonwealth, in partnership with the States, separately contributes to flood relief under the long established Natural Disaster Relief Arrangements (NDRA). The assistance is mainly to LGAs to repair infrastructure losses (mainly related to the transport network) and for assistance with personal hardship and distress. Relief of this kind was not linked to programs to improve floodplain management and to reduce flood losses. In mid-1996 the Commonwealth indicated that in future the provision of NDRA relief payments (except for personal hardship) would require evidence of policies and management to reduce future loses.

It is important to note that, over recent years, the contributions of the Commonwealth to the NDRA, relative to those of the States, have been progressively reduced. Thus, it is surprising that State Treasuries have not also pressed for planning to reduce future losses and thereby, State flood relief payments. Without the wider adoption of urban floodplain management in Queensland such payments will continue to escalate and as mitigation measures are usually founded in favourable cost benefit ratios it would be in the State's interest to take such steps to lessen future outlays on flood relief.

11.3 The Queensland Government and LGA floodplain management

In the Australian context the adoption of fully coercive policies, as described from the USA, are not considered as a viable strategy. A cooperative model, similar to that employed in New South Wales for over ten years, offers an alternative. However, for this to be successful it would be necessary for the State government to contribute both in terms of direct funding and with technical advice. Unfortunately changes in Commonwealth funding for assistance with studies and mitigation have declined and it can be expected that this trend will continue.

The expenditures in New South Wales have been large, however much of the outlay was for structural measures to protect existing flood prone developments. This was important to the stick and carrot approach which required the adoption of, and compliance to, land use controls consistent with the choice of a suitable designated flood and thereby, for indemnity from duty of care. The carrot was often in the form of structural mitigation for existing flood prone developments. It could be that the Queensland government could achieve these aims but lessen the expenditure by restricting the use of structural measures.

The need in Queensland is for a cooperative, locally based approach but combined with technical advice, the input of funding (especially for assistance with flood studies), and a limited degree of coercion from State government.

11.3.1 Technical assistance

A major contribution would be for State agencies to produce and publish a Queensland-based manual to acceptable flood management practice. This could include information that is not presented in detail in the New South Wales equivalent. For example, appendices that deal with building methods and flood materials compatible with developments in flood prone locations. Another example, would be guidance to flood proofing, especially that concerned with house raising and for commercial premises. Flood proofing has the advantage that it can be undertaken by individual building owners and a subsidy contribution towards such mitigation may be considered appropriate. Assistance with the analysis of hydrological and rainfall records and rainfall/runoff modelling methods would also be helpful to many LGAs. Queensland has a good exemplar with the Queensland urban drainage manual (QDPI, 1992). Such a manual and appendices could usefully incorporate examples of mitigation measures already used by some LGAs within the State.

The recommendation is to produce a Queensland-based manual for use by local government to give guidance on all aspects of best practice floodplain management. Such a manual should also give guidance to the planning legislation in order that local floodplain management could be fully integrated into the State's overall planning policy.

11.3.2 Funding

The allocation of funding is clearly a decision for the State government but without improved funding the costs to governments, at all levels, and to individual citizens of permitting

developments in flood prone locations will continue to escalate. The linking of flood relief to the adoption of acceptable floodplain management, as prompted by the Commonwealth, should be reinforced at State level.

It is unrealistic, whatever policy stance is adopted, to expect that the total costs of flood studies and mitigation, essential to attain best practice floodplain management, can be borne by LGAs alone.

11.3.3 Duty of care

It is not the aim of this study to persecute LGAs for not pursing acceptable floodplain management, but there remains the legal responsibilities under duty of care. It is thought that such concern has played a major part on prompting a number of LGAs in Queensland to adopt good quality urban floodplain management. The problem is why this does not apply to others?

It is likely that a clear statement on the legal liability for decisions to allow building in flood prone areas would lead to improved floodplain management. Indemnity for such liability for LGAs following acceptable procedures, is a strategy that has much to commend it.

There is little doubt that a local policy that gives as a defence for no action, 'we had no information on liability to flooding' is not acceptable either morally or legally.

11.4 Summary

Urban floodplain management in Queensland is below the standard that could be expected for the State with the largest urban flood problem in Australia. Improvements will require financial and resource outlays by both State and local governments although the benefits of these to the avoidance of losses from poorly sited future developments would outweigh the costs in the medium to long term. State assistance will certainly be necessary for those LGAs with small populations and rate base. The wider use of differential rating by LGAs, although unpopular, could lead to those who benefit from mitigation contributing to the costs.

It is to be hoped that improvements to floodplain management, and to related planning for storm surge, are not delayed so that action is only taken after the occurrence of a major disaster with extensive damage and loss of life. It is the responsibility of governments at all levels to ensure that this does not happen.

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Appendix 1

Responses to the Questionnaire

A spreadsheet comprising the replies to all questions for all localities was prepared. A copy of this, together with the original returned questionnaire forms, is held by the Department of Natural Resources in Brisbane.

Appendix 1 is a modified version of the full spreadsheet. Information on contact names etc. has been omitted and manuscript comments have also been removed.

For some questions the number of replies may not tally exactly with those given in the text, this often reflects the extra information given in manuscript form.

All questionnaire returns are listed in this appendix, i.e., including those that did not have an urban flood problem as defined in the study. The latter are listed separately at the end of the alphabetical LGA listing of those judged to meet the definition.

APPENDIX 1

Local Government	Town/Community	Drainage	Coastal	2-1	2-2	2-3	2-4	2-5	2-6	2-7	3-1	3-2	3-3
Aramac Shire	Aramac	Inland	no	Aramac Ck	320		100	10	5	2	no	April 1990	
Aurukun Shire	Urukun	Gulf	yes	Archer River	1 000	+2%	100	4	0	0	no		
Balonne Shire	Bollon	Inland	no	Wallam Creek	158	0	15	7			no		
Balonne Shire	Dirrabandi	Inland	no	Condamine/Balonne	460	0	168	15	5		no		
Balonne Shire	Hebel	Inland	no	Condamine/Balonne		0	56	23	1		no		
Balonne Shire	St George	Inland	no	Condamine/Balonne	2 509	+10%	848	187	20		no		
Balonne Shire	Thallon	Inland	no	Moonie River	159	0	41	17			no		
Banana Shire	Baralaba	Inland	no	Fitzroy (Dawson R.)	269	+0.3%	200	yes	yes	yes	no		
Banana Shire	Biloela	Inland	no	Fitzroy (Callide Cr.)	5 500	+0.32%	1800	yes	yes	yes	no		
Banana Shire	Moura	Inland	no	Fitzroy (Dawson R.)	2 800	+0.3%	900	yes	yes	yes	no		
Banana Shire	Theodore	Inland	no	Fitzroy (Dawson R.)	500	+0.3%	307	yes		yes	no		
Barcaldine Shire	Barcaldine	Inland	no	Alice River	1 500		650	50	5	5	no		
Barcoo Shire	Jundah	Inland	no	Thomson River	100	0	38	8	2	2	no		
Barcoo Shire	Stonehenge	Inland	no	Thomson River	35	0	10	1	1	1	no		
Barcoo Shire	Windorah	Inland	no	Cooper Creek	85	0	34	6	-	-	no		
Beaudesert Shire	Northern area of shire	Pacific	no	Logan River	11 417	+8.4%	5620	25	35	1	no		
Biggenden Shire	Biggenden	Pacific	no	Burnett	800	+0.5%	400	40	10	10	no		
Blackall Shire	Blackall	Inland	no	Barcoo River	1 600	0	524	46		10	no		
Boonah Shire	Boonah	Pacific	no	Teviot Brook	2 300	+0.5%	840	70	3	40	no	1991	no
Booringa Shire	Mitchell	Inland	no	Murray/Darling	1 200	0	450	46	8	0	no		
Bowen Shire	Bowen/ Queens Beach	Pacific	yes	Don River	8000	+1-2%	2500	200	60	654	yes	1980	yes
Brisbane City	Main Brisbane River	Pacific	yes	Brisbane River	750 000	+1%	42,500			2 500	yes	May 1996	no
Bulloo Shire	Thargomindah	Inland	no	Bulloo River	230	0	80	5	4	10	yes		no
Bundaberg City	Bundaberg	Pacific	no	Burnett	45 000	+2%	15,000				no		
Burnett Shire	Burnett Heads/ Bundaberg Port	Pacific	yes	Burnett	1 500	+3%	500	15	10	50	yes	1942	yes
Caboolture Shire	Beachmere	Pacific	yes	Pumicestone Passage	2 800	+6%	1200	4	0	10	yes		yes
Caboolture Shire	Bellara	Pacific	yes	Pumicestone Passage		+5%	1 560	25	-	96	yes	nil	
Caboolture Shire	Burpengary	Pacific	no	Burpengary Creek	6 000	+5%	2000	40	10	-	no		
Caboolture Shire	Caboolture	Pacific	no	Lagoon Creek, Caboolture River	8 050	+5%	5 000	15	110	113	no		
Caboolture Shire	Deception Bay	Pacific	yes	Deception Bay	13 200	+6%	4 800	27	18	158	yes		yes
Caboolture Shire	Donnybrook	Pacific	yes	Pumicestone Passage	350	+6%	240	7	-	30	yes		no
Caboolture Shire	Toorbul	Pacific	yes	Pumicestone Passage	580	+4%	350	3		39	yes		yes
Caboolture Shire	Woodford	Pacific	no	Stanley River	1 750	+5%	450	35	3	nil	no		

Local Government	Town/Community	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8
Aramac Shire	Aramac	April 1990		2 days	7				c
Aurukun Shire	Urukun								c
Balonne Shire	Bollon	1950							c
Balonne Shire	Dirrabandi	1990		3 weeks	0	0	0		c
Balonne Shire	Hebel	1990			0	0	0	0	c
Balonne Shire	St George	1990		2 days	5	0	0	0	c
Balonne Shire	Thallon	1976		1 week					c
Banana Shire	Baralaba	1956							b
Banana Shire	Biloela	1942							b
Banana Shire	Moura								
Banana Shire	Theodore	1956							
Barcaldine Shire	Barcaldine	1990		7 days	4	20	-	-	c
Barcoo Shire	Jundah	01/06/1955			1	1	-	-	c
Barcoo Shire	Stonehenge	31/01/1974			0	0	0	0	b
Barcoo Shire	Windorah	02/02/1974							c
Beaudesert Shire	Northern area of shire	27/28 Jan 1974	4 000	4 days	38	4	-	-	c
Biggenden Shire	Biggenden	1956		24 hours	8	0	0	0	c
Blackall Shire	Blackall	20 April, 1990	1 650	4 days	30	13	2	-	c
Boonah Shire	Boonah	1991		12 hrs	5	2	-	-	b
Booringa Shire	Mitchell	1990		12 hours	8	3	0	0	b
Bowen Shire	Bowen/ Queens Beach	1946	7 700	6 hrs		0		-	c
Brisbane City	Main Brisbane River	Jan 1974	9 000 m3/s	4 days	9 746	1 084	1 627	428	b
Bulloo Shire	Thargomindah	Jan-Feb 1974	-	37 days	25	2	1	10	c
Bundaberg City	Bundaberg	1942							b
Burnett Shire	Burnett Heads/ Bundaberg Port	1890							b
Caboolture Shire	Beachmere	19-1-75	-	2 hrs			-	-	c
Caboolture Shire	Bellara	19-1-75	-	2 hours	0	-	-	-	b
Caboolture Shire	Burpengary	12-2-72	500	12 hrs	40	0	0	0	b
Caboolture Shire	Caboolture	12-2-72	1 279	12 hours	2	0	0	20	b
Caboolture Shire	Deception Bay	19-1-75	-	2 hrs	2	-	-	-	b
Caboolture Shire	Donnybrook	12-2-72	-	2 hours	0	0	0	0	a
Caboolture Shire	Toorbul	19-1-75	-	2 hrs	20	2	-	-	c
Caboolture Shire	Woodford	12-2-72		2 days	0	0	0	0	b

Local Government	Town/Community	4-9	4-10	4-11	4-12	4-13	4-14	4-15	5-1	5-2
Aramac Shire	Aramac	d	a	a	b	a		2 days	yes	
Aurukun Shire	Urukun	d	a	a	a	a			no	no one cared to document
Balonne Shire	Bollon	d	a		a	a				
Balonne Shire	Dirrabandi	c	a	a	a	a		4 weeks	yes	
Balonne Shire	Hebel	d	c	a		a		4 weeks	yes	
Balonne Shire	St George	d	a	a	a	a		3 weeks	yes	
Balonne Shire	Thallon	c	c	a		a		2 weeks		
Banana Shire	Baralaba		a						yes	
Banana Shire	Biloela								no	expected water resources commission to keep data
Banana Shire	Moura								yes	
Banana Shire	Theodore		a						yes	
Barcaldine Shire	Barcaldine	c	a	a	b	a		2 days	yes	
Barcoo Shire	Jundah	d	b	b	b	a		72	no	
Barcoo Shire	Stonehenge	d	a	b	a	a			no	
Barcoo Shire	Windorah	d	a	b	a	b			no	
Beaudesert Shire	Northern area of shire	d	c	a	a	b		1-2 days	yes	
Biggenden Shire	Biggenden	c	c	b	-	a		12 hours	no	uncommon event
Blackall Shire	Blackall	c	b	a	b	b	Ambulance centre & fire station innundated	72	yes	
Boonah Shire	Boonah	d	c	a	b	a		6hrs	no	
Booringa Shire	Mitchell	b	a	a	b	b		4 hours	no	no-one bothered to record it
Bowen Shire	Bowen/ Queens Beach	c	b	b	a	b		12 hrs	yes	
Brisbane City	Main Brisbane River	a	a	b	b	b		48 hours	yes	
Bulloo Shire	Thargomindah	d	a	a	b	b			yes	
Bundaberg City	Bundaberg	b	a		b				yes	
Burnett Shire	Burnett Heads/ Bundaberg Port	d	c	a					yes	
Caboolture Shire	Beachmere	d	c	a	a	a		18 hours	yes	
Caboolture Shire	Bellara	d	c	a	a	a			yes	
Caboolture Shire	Burpengary	a	c	a	a	a		6 hours	yes	
Caboolture Shire	Caboolture	a	a	a	a	a		12 hours	yes	
Caboolture Shire	Deception Bay	d	c	a		a			yes	
Caboolture Shire	Donnybrook	d	c	a		a			yes	
Caboolture Shire	Toorbul	d	c	a		a			yes	
Caboolture Shire	Woodford	d	c	a	a	a		12 hours	yes	

Local Government	Town/Community	5-3	5-4	5-5	5-6	5-7	5-8	5-9	5-10	5-11
Aramac Shire	Aramac		yes		0 m	2.0 m		19-4-97	no	a
Aurukun Shire	Urukun		no						no	a
Balonne Shire	Bollon		yes						no	
Balonne Shire	Dirrabandi	DNR	yes							
Balonne Shire	Hebel		no							
Balonne Shire	St George	reference	yes		-	-	-	-	no	a
Balonne Shire	Thallon		yes							
Banana Shire	Baralaba	town planning	yes						no	interviews
Banana Shire	Biloela		no						no	interviews
Banana Shire	Moura		yes							
Banana Shire	Theodore	town planning	yes						yes	b,d
Barcaldine Shire	Barcaldine	disaster plan	no						yes	b
Barcoo Shire	Jundah		yes	46 years	0 m	3.0 m	8.46 m	1/6/1955	no	a
Barcoo Shire	Stonehenge		yes	26 years	0.0 m	2.0 m	6.88 m	31/1/1974	no	
Barcoo Shire	Windorah		no						no	a
Beaudesert Shire	Northern area of shire	subdivision & building applications, strategic plan	yes						no	b,c
Biggenden Shire	Biggenden		no						no	a
Blackall Shire	Blackall	Flood prediction and monitoring, flood mitigation	yes				7.30 m	20/4/90	yes	b
Boonah Shire	Boonah		yes						no	a
Booringa Shire	Mitchell		yes		0 m	8.28 m	8.28 m	1990	no	a
Bowen Shire	Bowen/ Queens Beach	planning, flood warnings and predictions	yes	40	0 m	5.5 m	-	-	yes	b
Brisbane City	Main Brisbane River	calibration of flood models, setting min. development levels.	yes	156 years	-0.9 m	5 m (lower other locations)	5.44 m	Feb.1893	yes	b,c
Bulloo Shire	Thargomindah		yes	30 years	2 m	3.94 m	6.78 m	9-1-1974	yes	b
Bundaberg City	Bundaberg		yes						yes	c
Burnett Shire	Burnett Heads/ Bundaberg Port	predicting flood profiles							no	
Caboolture Shire	Beachmere	flood studies	no						yes	c
Caboolture Shire	Bellara	inundation maps	no						no	
Caboolture Shire	Burpengary	flood studies	no						yes	c
Caboolture Shire	Caboolture	flood studies and mapping	no						yes	c
Caboolture Shire	Deception Bay	not used	no						no	
Caboolture Shire	Donnybrook	not used	no						no	
Caboolture Shire	Toorbul	not used	no						no	
Caboolture Shire	Woodford	inundation maps	no						yes	b

Flood Properties

APPENDIX 1

Local Government	Town/Community	6-1	6-2	6-3	6-4	6-5	6-6	6-7	6-8	6-9	6-10	6-11	6-12	6-13
Aramac Shire	Aramac	no		no	no									
Aurukun Shire	Urukun	no												
Balonne Shire	Bollon	no												
Balonne Shire	Dirrabandi													
Balonne Shire	Hebel	DNR												
Balonne Shire	St George	yes (DNR)		yes		none								
Balonne Shire	Thallon	DNR												
Banana Shire	Baralaba	no												
Banana Shire	Biloela	no		no	no									
Banana Shire	Moura	no												
Banana Shire	Theodore	no												
Barcaldine Shire	Barcaldine	no												
Barcoo Shire	Jundah	no												
Barcoo Shire	Stonehenge	no												
Barcoo Shire	Windorah	no												
Beaudesert Shire	Northern area of shire	yes	1974 flooding	no	no	1 in 50, 100, highest known	no		38	4	-	-	no	no
Biggenden Shire	Biggenden	no												
Blackall Shire	Blackall	yes	max. flood event	no	yes								no	yes
Boonah Shire	Boonah	no												
Booringa Shire	Mitchell	no												
Bowen Shire	Bowen/ Queens Beach	yes	1 in 50 and 100	yes	yes	1 in 50	yes	b	940	15	6	100	no	yes
Brisbane City	Main Brisbane River	yes	1 in 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 10 000, 100 000, and PMF	yes	no	1 in 100	no	b,c	4 420	648	773	186	yes	yes
Bulloo Shire	Thargomindah													
Bundaberg City	Bundaberg	no		yes	no	none							no	no
Burnett Shire	Burnett Heads/ Bundaberg Port	no												
Caboolture Shire	Beachmere	yes	1 in 10, 50, 100	no	no	1 in 100	yes	c	95	0	0	0	no	yes
Caboolture Shire	Bellara	yes: tidal prediction	1 in 100	no	no	1 in 100	no		25	-	-	-	no	yes
Caboolture Shire	Burpengary	yes	1 in 10, 50, 100	no	no	1 in 100	yes	c	130	5	0	10	no	no
Caboolture Shire	Caboolture	yes	1 in 10, 50, 100	no	no	1 in 100	yes	c	10	1	2	30	no	yes
Caboolture Shire	Deception Bay	yes: tidal prediction	1 in 100: tide event	no	no	1 in 100	yes	c	30	-	-	-	no	yes
Caboolture Shire	Donnybrook	yes	1 in 100	no	no	1 in 100	yes	c	15	-	-	-	no	yes
Caboolture Shire	Toorbul	yes: tidal prediction	1 in 100	no	no	1 in 100	yes	c	80	2	-	-	no	yes
Caboolture Shire	Woodford	yes	1 in 100	no	no	1 in 100	yes	b	20	0	0	0	no	yes

Local Government	Town/Community	7-1	7-2	7-3	7-4	7-5	7-6	7-7	8-1
Aramac Shire	Aramac	no							none
Aurukun Shire	Urukun	no							none
Balonne Shire	Bollon	no	0						none
Balonne Shire	Dirrabandi	no							a
Balonne Shire	Hebel	no							none
Balonne Shire	St George	no							none
Balonne Shire	Thallon	no							none
Banana Shire	Baralaba	no							
Banana Shire	Biloela	no							
Banana Shire	Moura								
Banana Shire	Theodore	no							
Barcaldine Shire	Barcaldine	yes	a	yes		0.2 m	on application to council	a, council policy	improved drainage in town
Barcoo Shire	Jundah								
Barcoo Shire	Stonehenge	no							
Barcoo Shire	Windorah	no							
Beaudesert Shire	Northern area of shire	yes	a,b	yes		0 - 1.0 m	c	a,b	
Biggenden Shire	Biggenden	no							
Blackall Shire	Blackall								vegetation clearing
Boonah Shire	Boonah	yes	a	yes		500 mm	a	a	none
Booringa Shire	Mitchell	yes	planned data	yes			a		diversion drains
Bowen Shire	Bowen/ Queens Beach	yes	a,b	yes			c	a,b	d
Brisbane City	Main Brisbane River	yes	a, b	yes		res: 525 mm. com./ind: 0 or more	b,c	a,b	a,b,c
Bulloo Shire	Thargomindah	yes		yes			a	a	
Bundaberg City	Bundaberg	no							a
Burnett Shire	Burnett Heads/ Bundaberg Port	no							
Caboolture Shire	Beachmere	yes	b	no		0.1 m	c	a,b	none
Caboolture Shire	Bellara	yes	b	no		0.1	c	a,b	none
Caboolture Shire	Burpengary	yes	b	no		0.01 m	b,c	a,b	none
Caboolture Shire	Caboolture	yes	b	no		0.1 m	c	a,b	none
Caboolture Shire	Deception Bay	yes	b	no		res: 0.3 m. other: 0.1m	c	a,b	none
Caboolture Shire	Donnybrook	yes	b	no		res: 0.3 m, com: 0.0 m	c	a,b	none
Caboolture Shire	Toorbul	yes	b	no		res: 0.3 m	c	a,b	none
Caboolture Shire	Woodford	yes	b	no		0.1 m	c	a,b	none

APPENDIX 1

Local Government	Town/Community	8-2	8-3	8-4	9-1	9-2	9-3	9-4	9-5	9-6	9-7
Aramac Shire	Aramac				yes	yes	yes	no	no	2-3-97	3.1 m
Aurukun Shire	Urukun	a	none	none	yes	yes	no	no	no		
Balonne Shire	Bollon				yes	yes	no		yes	1990	
Balonne Shire	Dirrabandi	c			yes	yes	no		yes		
Balonne Shire	Hebel				yes	yes	no		yes		
Balonne Shire	St George				yes	yes	no	no	yes	1990	-
Balonne Shire	Thallon	none			yes	yes	no		yes	1976	
Banana Shire	Baralaba	a			yes	yes	yes	yes	yes		
Banana Shire	Biloela	a	c		yes	yes	no	no	yes		
Banana Shire	Moura										
Banana Shire	Theodore	a,b,c			yes	yes	yes	yes	yes		
Barcaldine Shire	Barcaldine	b	none	b		yes	no	no	yes	1990	
Barcoo Shire	Jundah				yes	yes	no	no	yes	20/2/97	4.8 m
Barcoo Shire	Stonehenge				yes	yes	no	no	yes	20/02/97	
Barcoo Shire	Windorah				no	no	yes	no	no		
Beaudesert Shire	Northern area of shire	a,b,c			yes	yes	no	no	no	7-10 Feb 1991	
Biggenden Shire	Biggenden	a			no	yes	no	no	yes	1956	-
Blackall Shire	Blackall	a,b,c	b	b,c	yes	yes	yes	no	yes	1997	6.2 m
Boonah Shire	Boonah	a,b,c	c		yes	yes	no	no	no	1991	
Booringa Shire	Mitchell	c		b	yes	yes	yes	no	yes	1990	8.28 m
Bowen Shire	Bowen/ Queens Beach	a,b,c	b,c	b,c	yes	yes	no	no	no	1991	
Brisbane City	Main Brisbane River	a,b,c	b,c	a,b,c	yes	yes	no	yes	no	May 1996	2.75 m
Bulloo Shire	Thargomindah	c			yes	yes	no	no	yes	12-2-97	5.17 m
Bundaberg City	Bundaberg	a,b			yes	yes	no	no		1974	
Burnett Shire	Burnett Heads/ Bundaberg Port	a,b			yes	yes	no	no	no	1942	
Caboolture Shire	Beachmere	none	c	none	yes	yes	no	no	no		1.60 m
Caboolture Shire	Bellara	none	c	none	yes	yes	no	no	no		
Caboolture Shire	Burpengary	none	c	none	yes	yes	no	no	yes	1991	
Caboolture Shire	Caboolture	none	c	none	yes	yes	no	no	no	1991	-
Caboolture Shire	Deception Bay	none	c	none	yes	yes	no	no	no		1.60 m
Caboolture Shire	Donnybrook	none	c	none	yes	yes	no	no	no		
Caboolture Shire	Toorbul	none	c	none	yes	yes	no	no	no		1.60 m
Caboolture Shire	Woodford	none	c	none	yes	yes	no	no	no		

Local Government	Town/Community	9-8	10-1	10-2	10-3	10-4	11-1	11-2	11-3	11-4	11-6
Aramac Shire	Aramac		a		no		yes	no	no	yes	yes
Aurukun Shire	Urukun		a	a	no		no				
Balonne Shire	Bollon		c	b	yes	b	yes	yes	yes	yes	no
Balonne Shire	Dirrabandi		c	b	yes	b	yes	no	yes	yes	no
Balonne Shire	Hebel		c	b	yes	b	yes	yes	yes	yes	no
Balonne Shire	St George	-	c	b	yes	b	yes	no	yes	yes	no
Balonne Shire	Thallon	1 in 10-15	c	b	yes	b	yes	yes	yes	yes	no
Banana Shire	Baralaba		c	b	no						
Banana Shire	Biloela		a		no		yes				
Banana Shire	Moura										
Banana Shire	Theodore		c	b	no						
Barcaldine Shire	Barcaldine		c	c	no		yes	yes	yes	yes	yes
Barcoo Shire	Jundah		b	b	no		yes	no	no	yes	yes
Barcoo Shire	Stonehenge		b	b	no		yes	no	yes	yes	yes
Barcoo Shire	Windorah		b	a	no		yes	no	no	yes	yes
Beaudesert Shire	Northern area of shire		b,c	c	no		yes	yes	yes	yes	yes
Biggenden Shire	Biggenden	-	a	a	no		yes				
Blackall Shire	Blackall		b,c	b,c	yes	a,b,c	yes	no	yes	yes	no
Boonah Shire	Boonah		c	a	yes	d	yes	yes	no	yes	no
Booringa Shire	Mitchell	1 in 100	b	c	yes	a,b,d, fire siren	yes	yes	no	no	no
Bowen Shire	Bowen/ Queens Beach	1 in 50	b	c	yes	b,d, telephone	yes	yes	yes	yes	yes
Brisbane City	Main Brisbane River	1 in 10	c	c	yes	b, telephone	yes	yes	no	yes	yes
Bulloo Shire	Thargomindah		b,c	b,c	yes	word of mouth	yes	yes	yes	yes	no
Bundaberg City	Bundaberg		c	c	no		yes	yes			
Burnett Shire	Burnett Heads/ Bundaberg Port	1 in 50	c	a	no		no				
Caboolture Shire	Beachmere	1 in 10	a	a	no		yes	no	no	no	yes
Caboolture Shire	Bellara		a	a	no		yes	no	yes	yes	yes
Caboolture Shire	Burpengary	<1 in 20	a	c, rainfall data	yes	b, telephone	yes	no	yes	yes	yes
Caboolture Shire	Caboolture	1 in 20	a	c, rainfall data (flood studies)	no		yes	no	yes	yes	yes
Caboolture Shire	Deception Bay	1 in 10	a	a	no		yes	no	no	no	yes
Caboolture Shire	Donnybrook		a	a	no		yes	no	no	yes	yes
Caboolture Shire	Toorbul	1 in 10	a	a	no		yes	no	no	no	yes
Caboolture Shire	Woodford		a	c, rainfall data (flood studies)	no		yes	no	yes	yes	yes

APPENDIX 1

Local Government	Town/Community	Drainage	Coastal	2-1	2-2	2-3	2-4	2-5	2-6	2-7	3-1	3-2	3-3
Cairns City	Cairns city	Pacific	yes	Cairns city area	70 000	+4%	20 000				yes		yes
Cairns City	Mulgrave	Pacific	yes	Barron	5 800	+3.5%	1610	12	20	80	yes	1979	yes
Calliope Shire	Tannum Sands, Boyne Island	Pacific	yes	Boyne River	7 500	+3%	2500	200	100	500	yes		yes
Caloundra City	Kawana Waters	Pacific	yes	Mooloolah							yes		yes
Cambooya Shire	Cambooya	Inland	no	Hodgson Ck, Condamine Ctchmt, Murray-Darling Basin	790	+2.5%	272	6	1		no		
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach	Pacific	yes								yes		yes
Carpentaria Shire	Kurumba	Gulf	yes	Norman /Flinders	500						yes	1976 major	no
Carpentaria Shire	Normanton	Gulf	no	Norman /Flinders	1 500						no		
Chinchilla Shire	Chinchilla	Inland	no	Condamine	3 500	+0.2%	1000	100	20	30	no		
Cook Shire	Ayton	Pacific	yes	Bloomfield	65	+2%	30	4	1	10	yes	March 1996	no
Cook Shire	Coen	Pacific	no	Coen	350	+7%	70	8	3	20	no		
Cook Shire	Cooktown (including Marton)	Pacific	yes	Endeavour	1 700	+5%	700	40	10	60	yes		yes
Cooloola Shire	Gympie	Pacific	yes	Mary	20 000	+1.5%					no		
Croydon Shire	Croydon	Gulf	no	Gilbert	300	+1%	60	5	-	15	no		
Dalby Town		Inland	no	Myall Creek	10 199	+1.08%	3 249	243	200	80	no		
Diamantina Shire	Birdsville	Inland	no	Diamantina	100	+5%	30	4	2	8	no		
Douglas Shire		Pacific	yes		9 867						yes		yes
Eacham Shire		Pacific	no	North Johnstone	1 200	+2.4%	450	33	20	30	no		
Emerald Shire	Emerald	Inland	no	Nogoa	10 500		2900	160	150	100	no	1950	no
Esk Shire		Pacific	no	Brisbane and Lockyer	7 000	+3%	2500	100	80	20	no		
Gatton Shire	Grantham	Pacific	no	Sandy Creek	200	< 2%	100	15			no		
Gayndah Shire	Gayndah	Pacific	no	Burnett	1 800	+0.5%	602	60	17	2	no		
Gladstone City	Gladstone	Pacific	yes	Auckland Creek	27 000	+2%	8, 500				yes		yes
Gold Coast City	Nerang	Pacific	yes	Nerang		+6.0%					yes	1974?	no
Goondiwindi Town	Goondiwindi	Inland	no	McIntyre	4 600	+1.5%	1200	200	100	3	no		
Herberton Shire	Herberton	Inland	no	Herbert	1 000	+2%	300	2	5	12	no		
Hervey Bay City	Pacific Haven	Pacific	yes	Burrum/Cherwell	150	+8%	80 est.	0	0	6-10	yes	20/21 Feb. 1992	no
Hervey Bay City	Urangan, Toogoom & Burrum Heads. Eli Waters Pialba	Pacific	yes	Hervey Bay Foreshore	10-15 000	+8%	600	30-40	-	3-4 parks	yes	Cyclone Fran, 1992	yes
Hinchinbrook Shire	Ingham/Lower Herbert area	Pacific	yes	Herbert River	12 000	0	5 000	300	50	200	yes		no
Inglewood Shire	Inglewood town	Inland	no	Macintyre	1 000	-1%	348	40	6	2	no		

Local Government	Town/Community	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8
Cairns City	Cairns city	Jan '79		1 day					c
Cairns City	Mulgrave	March 177	4 600 m3/s	3 days	125	0	4	40	c
Calliope Shire	Tannum Sands, Boyne Island	1947	8 200 m3			0	0	0	b
Caloundra City	Kawana Waters	3-2-1893	1 134						
Cambooya Shire	Cambooya	1988			0	0	0	0	c
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach	1967		1 week					b
Carpentaria Shire	Kurumba								
Carpentaria Shire	Normanton	1974		few days	20+	limited	-	limited	c
Chinchilla Shire	Chinchilla	1942			20	20	0	0	c
Cook Shire	Ayton	March 1996		2 days	15	1			c
Cook Shire	Coen	1989			10	2			c
Cook Shire	Cooktown (including Marton)	1982			15	4	6	-	c
Cooloola Shire	Gympie	1893							c
Croydon Shire	Croydon	1974/75			0	0	0	0	c
Dalby Town		7-2-1981	1 850	48 hours	700	90	50	10	c
Diamantina Shire	Birdsville	1974			0	0	0	0	c
Douglas Shire		1979		3 days	6	3	1	0	b
Eacham Shire		1967			12	0	2	20	c
Emerald Shire	Emerald	27 Nov 1950	4 430 m/s		20	3	2		c
Esk Shire		Jan 1974	2200m3/s (May 1996)	7 days	10	0	0	0	b
Gatton Shire	Grantham	Jan 1974		3 days	35	10			c
Gayndah Shire	Gayndah	Feb 1942		2 weeks					b
Gladstone City	Gladstone								a
Gold Coast City	Nerang	1974	1 730 cumecs	24 hrs		many buildings			b
Goondiwindi Town	Goondiwindi	26-1-1996		0	0	0	0	0	c
Herberton Shire	Herberton	1967		2 days	12	-	1	-	c
Hervey Bay City	Pacific Haven	1992		6 - 12 hrs	31	-	-	-	c
Hervey Bay City	Urangan, Toogoom & Burrum Heads, Eli Waters Pialba	Believed to be Cyclone Daisy		12 - 14 hours					b
Hinchinbrook Shire	Ingham/Lower Herbert area	March 1967	12 000	1 week	2000	100	25	50	c
Inglewood Shire	Inglewood town	1956		2-3 days	300	35	4	2	c

Local Government	Town/Community	4-9	4-10	4-11	4-12	4-13	4-14	4-15	5-1	5-2
Cairns City	Cairns city	c	b	b	b			2 hrs	yes	
Cairns City	Mulgrave	c	b	b		b	Capactiy of emergency services was limited	30 hours	yes	
Calliope Shire	Tannum Sands, Boyne Island	d	c					24 hours	yes	
Caloundra City	Kawana Waters								yes	
Cambooya Shire	Cambooya	c	c	a					no	
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach	c	b	b	b	b			no	Information supplied by DNR
Carpentaria Shire	Kurumba									
Carpentaria Shire	Normanton	c	b	b			hospital isolated by floods	days	limited	
Chinchilla Shire	Chinchilla	c	b	a	a	a	roads cut		yes	
Cook Shire	Ayton	d	c	a	b	b		12 hours	no	
Cook Shire	Coen	d	b	b	b	a		24 hours	no	
Cook Shire	Cooktown (including Marton)	d	b	b	b	b		10 hours	no	
Cooloola Shire	Gympie	a	b	a	b	a		varies	yes	
Croydon Shire	Croydon	c	a	a			Surrounding properties flood bound. Town cut off by road and rail.		no	
Dalby Town		c	b	a	a	a		7 hours	yes	
Diamantina Shire	Birdsville	d	a	a	a	a			no	no recording
Douglas Shire		a	c	b	a	b		12 hrs	no	
Eacham Shire		d	c	b						
Emerald Shire	Emerald	b	b	a	a	a		200 hrs	yes	
Esk Shire		d	c	a	a	a		24 hrs	yes	
Gatton Shire	Grantham	a	c	b	c	a		12 hours	yes	
Gayndah Shire	Gayndah	b	c						yes	
Gladstone City	Gladstone	a	a	a	a	a			no	
Gold Coast City	Nerang	a	a	a	b	b	Ambulance, Fire and Aged care affected,	24-48 hrs	yes	
Goondiwindi Town	Goondiwindi	c	a	a	a	a		48 hours	not held by council	DNR/Met Bureau responsibility
Herberton Shire	Herberton	c	c	b		b		2 hrs	no	didn't have an engineer on staff
Hervey Bay City	Pacific Haven	d	c		b			6 hours	limited	
Hervey Bay City	Urangan, Toogoom & Burrum Heads. Eli Waters Pialba	d	c		b			12 hours	limited	
Hinchinbrook Shire	Ingham/Lower Herbert area	c	b	a	b	b	Fire buildings affected. Roads flooded	1.5 days	yes	
Inglewood Shire	Inglewood town	c	b	b	b	b		48 hours	no	lack of resources

Local Government	Town/Community	5-3	5-4	5-5	5-6	5-7	5-8	5-9	5-10	5-11
Cairns City	Cairns city	referenced by owners, developers and consultants	no						yes	b
Cairns City	Mulgrave	calibrating flood modelling	yes	30 years	1.8 m	varies	3.6 m	Mar. 1977	yes	b,c
Calliope Shire	Tannum Sands, Boyne Island		no						no	b
Caloundra City	Kawana Waters	public information, calibration etc.	no						no	b
Cambooya Shire	Cambooya		no						no	
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach		no						yes	b,c
Carpentaria Shire	Kurumba									
Carpentaria Shire	Normanton		yes						yes	b
Chinchilla Shire	Chinchilla	Advice to interested persons	yes						yes	b
Cook Shire	Ayton		no						no	a
Cook Shire	Coen		no						no	
Cook Shire	Cooktown (including Marton)		no						no	a
Cooloola Shire	Gympie	planning	yes	125 years	probably zero	varies	25.4 m	1893	yes	b,c,d
Croydon Shire	Croydon		no						no	a
Dalby Town		information to public	yes	16 years		1.0 m	4.5 m	7-2-1981	yes	b
Diamantina Shire	Birdsville		no						no	a
Douglas Shire										
Eacham Shire			no						no	
Emerald Shire	Emerald	flood study and prediction of current events	yes	40+ years	161.95 m	169 m+	177.65 (15.69 m)	27/11/50	no	b
Esk Shire		flood information -Development. Control - rate searches	yes				16.43 m	1974	yes	b,c
Gatton Shire	Grantham	setting minimum floor levels for new buildings	no						no	a
Gayndah Shire	Gayndah		no						yes	b
Gladstone City	Gladstone		no							b
Gold Coast City	Nerang	basis for modelling	yes	60+ years	tidal	3.5 - 4.5 m	6.0 m	1974	yes	b,c,d
Goondiwindi Town	Goondiwindi		yes			levee does not overtop	10.61 m	26-1-1996	yes	d
Herberton Shire	Herberton		no						no	a
Hervey Bay City	Pacific Haven	public awareness, development of flood warning system	no						yes	b
Hervey Bay City	Urangan, Toogoom & Burrum Heads. Eli Waters Pialba	public education	no						no	b
Hinchinbrook Shire	Ingham/Lower Herbert area	building floor levels (new), flood prediction	yes	30 years	0 m	6 m+	12.7 m	Mar. 1967	yes	b
Inglewood Shire	Inglewood town		yes	75+ years	12 m	9-10 m	12 m	1956	no	a

flood

Properties

APPENDIX 1

Local Government	Town/Community	6-1	6-2	6-3	6-4	6-5	6-6	6-7	6-8	6-9	6-10	6-11	6-12	6-13
Cairns City	Cairns city	yes	from 1 in 5 to 1 in 100	no	no	1 in 100	no						no	no
Cairns City	Mulgrave	yes	1 in 5, 10, 50, 100, 25	yes	no	1 in 100	yes	c,d	660	8	20	40	no	yes
Calliope Shire	Tannum Sands, Boyne Island	yes	1 in 50 and 100	yes	no	1 in 100	yes	b,c	98	0	0	0	no	yes
Caloundra City	Kawana Waters	yes	1 in 20 and 100	no	no	1 in 100	yes	b,c	0	0	0	0	no	no
Cambooya Shire	Cambooya	no		no	no		no							
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach	no												
Carpentaria Shire	Kurumba													
Carpentaria Shire	Normanton	no		no	no	none	no						no	no
Chinchilla Shire	Chinchilla	no											no	no
Cook Shire	Ayton	no												
Cook Shire	Coen	no												
Cook Shire	Cooktown (including Marton)	no												
Cooloola Shire	Gympie	no												
Croydon Shire	Croydon	no												
Dalby Town		yes	1 in 250	yes		none	no	a					yes	no
Diamantina Shire	Birdsville	no												
Douglas Shire														
Eacham Shire		no												
Emerald Shire	Emerald	yes	1 in 50, 100	yes	no	1 in 50,100	yes	b	200	10	25	50	no	no
Esk Shire		no		no	no	1 in 100	no	b,c					no	no
Gatton Shire	Grantham	no												
Gayndah Shire	Gayndah	no												
Gladstone City	Gladstone	yes	1 in 50, 100	yees	yes	1 in 50	yes	b		1	1		no	no
Gold Coast City	Nerang	yes	1 in 2, 5, 10, 20, 50, 100, to 1 in 200 yr	no	no	1 in 100, max. recorded	yes	c	13 400	400	-	200	yes	no
Goondiwindi Town	Goondiwindi	no												
Herberton Shire	Herberton	no												
Hervey Bay City	Pacific Haven	no												
Hervey Bay City	Urangan, Toogoom & Burrum Heads. Eli Waters Pialba	no		no	no	1 in 100	no	b						
Hinchinbrook Shire	Ingham/Lower Herbert area	yes	1 in 3	no	no	1 in 50	yes	b	2 000	100	25	50	yes	yes
Inglewood Shire	Inglewood town	no												

And one

Local Government	Town/Community	7-1	7-2	7-3	7-4	7-5	7-6	7-7	8-1
Cairns City	Cairns city	yes	a,b			0.15 m			c
Cairns City	Mulgrave	yes	b	yes		res:150 mm, com./ind: 0 m	b	b,c	flood channel improvements
Calliope Shire	Tannum Sands, Boyne Island	no	b	yes			a,b	a,b	none
Caloundra City	Kawana Waters	yes	b, physical model	yes		0.50 m	a	b	
Cambooya Shire	Cambooya	no							
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach	no							
Carpentaria Shire	Kurumba								
Carpentaria Shire	Normanton	no						b	none
Chinchilla Shire	Chinchilla	no							
Cook Shire	Ayton	no							
Cook Shire	Coen	no							
Cook Shire	Cooktown (including Marton)	no							
Cooloola Shire	Gympie	yes	a,b	no	acceptable for commercial to flood	0.3 m	a	b	
Croydon Shire	Croydon	no							
Dalby Town		no							d
Diamantina Shire	Birdsville	no							
Douglas Shire									
Eacham Shire		no							
Emerald Shire	Emerald	no	b	yes		300 mm	c	b	a
Esk Shire		yes	a,b	yes		300 mm	c	b	
Gatton Shire	Grantham	yes	a	yes		0.3 m	c	a,b	none
Gayndah Shire	Gayndah	no							
Gladstone City	Gladstone	no		yes			c	a	none
Gold Coast City	Nerang	no	b	yes			b	b, council	b (HINZE- multipurpose)
Goondiwindi Town	Goondiwindi	no							a
Herberton Shire	Herberton	no							none
Hervey Bay City	Pacific Haven	yes	a				a	a	none
Hervey Bay City	Urangan, Toogoom & Burrum Heads. Eli Waters Pialba	yes	a	no		3.5 m	a,b,c	a,b	c
Hinchinbrook Shire	Ingham/Lower Herbert area	yes	b	yes		300 mm	c	b	a,d, flood-gated creeks, overflow channels
Inglewood Shire	Inglewood town	no							none

APPENDIX 1

Local Government	Town/Community	8-2	8-3	8-4	9-1	9-2	9-3	9-4	9-5	9-6	9-7
Cairns City	Cairns city		various sources	varies incl. developer contributions	yes	yes	no	yes	yes	Jan 1979	
Cairns City	Mulgrave	a,b,c, requisitions on properties up to 1 in 100	c, Cairns Port Authority	c	yes	yes	no	yes	yes	Jan 1979	3.6 m
Calliope Shire	Tannum Sands, Boyne Island	a,b	c	none	no	yes	no	no	no	1973	
Caloundra City	Kawana Waters	b	b, Kawana Estate P/L		no	no	no	no			
Cambooya Shire	Cambooya										
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach				yes	yes	no	no	yes		
Carpentaria Shire	Kurumba										
Carpentaria Shire	Normanton				yes	yes	no	no	no	1974	
Chinchilla Shire	Chinchilla				yes	yes	no	no	yes	1983	RL. 991
Cook Shire	Ayton				yes	yes	no	yes	yes	March 1996	
Cook Shire	Coen				yes	yes	no	no	yes		
Cook Shire	Cooktown (including Marton)				yes	yes	no	no	yes		
Cooloola Shire	Gympie				yes	yes	no	no	yes	1992	16.1 m
Croydon Shire	Croydon										
Dalby Town		b,c	a,b,c	a,b,c	yes	yes	yes	no	yes	23-6-1983	3.8 m
Diamantina Shire	Birdsville	a			yes	yes	no	no	yes		
Douglas Shire											
Eacham Shire		a			yes	yes	yes	no	yes		
Emerald Shire	Emerald	a,b	c	c	yes	yes	yes	no	no	4/4/56	176.79 (14.84 m)
Esk Shire		a,b	b,c		yes	yes	no	no	yes	May 1996	16.43 m
Gatton Shire	Grantham	a,b			yes	yes	yes	no	yes	May 1996	
Gayndah Shire	Gayndah	a,b					no	no	no	1942	
Gladstone City	Gladstone	a									
Gold Coast City	Nerang	a,b,c	c		yes	yes	no	no	no	1974	2.89 m
Goondiwindi Town	Goondiwindi	b	c	c, subsidies	yes	yes	no	no	yes		
Herberton Shire	Herberton	none	none	none	no	no	no	no	yes	1986	-
Hervey Bay City	Pacific Haven	c	a,b,c		yes	yes	no	yes	yes	1992	-
Hervey Bay City	Urangan, Toogoom & Burrum Heads. Eli Waters Pialba	a,b	a,b,c		yes	yes	no	yes	yes	17 March 1992	-
Hinchinbrook Shire	Ingham/Lower Herbert area	a,b,c	b,c	a,b,c	yes	yes	no	yes	yes	1991	11.3 m
Inglewood Shire	Inglewood town	a,b,c	none	none	yes	yes	no	yes	yes	1976	11 m

Local Government	Town/Community	9-8	10-1	10-2	10-3	10-4	11-1	11-2	11-3	11-4	11-6
Cairns City	Cairns city		b	b	no		yes	no	no		
Cairns City	Mulgrave	1 in 30	c	b	no		yes	yes	no		yes
Calliope Shire	Tannum Sands, Boyne Island	1 in 20 w/o dam, 1 in 100 year with dam	b	a	no		yes	no	no		no
Caloundra City	Kawana Waters		b	b	no		yes	no	yes	yes	no
Cambooya Shire	Cambooya				no		yes	no	no		no
Cardwell Shire	Tully Heads, Cardwell, South Mission Beach		b	b	no		yes	yes	yes	yes	no
Carpentaria Shire	Kurumba										
Carpentaria Shire	Normanton		a	a		a,b	yes	no			
Chinchilla Shire	Chinchilla	1 in 20	c	b	yes	b,c, recorded message	no				
Cook Shire	Ayton		a	a	yes	a	yes	yes	yes	yes	no
Cook Shire	Coen		a	a	no		yes	no	no	no	no
Cook Shire	Cooktown (including Marton)		a	c	yes	a,b	yes	yes	no	no	no
Cooloola Shire	Gympie	< 1 in 50	c	b	no		yes	yes	yes	yes	yes
Croydon Shire	Croydon		c	c	yes	a,b, telephone	yes		yes	yes	no
Dalby Town			c	b	yes	b,c,d	yes	yes	yes	yes	yes
Diamantina Shire	Birdsville		a	b	no	a	yes	no	yes	yes	no
Douglas Shire											
Eacham Shire			b		no		yes	yes	no		no
Emerald Shire	Emerald	1 in 40	a	a	yes	b,c	yes	yes	yes	yes	yes
Esk Shire		1 in 7	b	c	no		yes	yes	yes	yes	yes
Gatton Shire	Grantham		b	activating counter disaster organisations	no		yes	yes	no	yes	no
Gayndah Shire	Gayndah		c	a,b	no		no				
Gladstone City	Gladstone		a				no				
Gold Coast City	Nerang	1 in 80	b,c		yes	phone-in					
Goondiwindi Town	Goondiwindi		c	b	yes	notice at town gauge	yes	no	no		no
Herberton Shire	Herberton		a	a	no		yes	no	no	no	no
Hervey Bay City	Pacific Haven	-	b,c	c	yes	a	yes	yes	no		yes
Hervey Bay City	Urangan, Toogoom & Burrum Heads, Eli Waters Pialba	-	b,c	c	yes	a,b	yes	yes	no		yes
Hinchinbrook Shire	Ingham/Lower Herbert area	1 in 20	b,c	c	yes	b, phone-in	yes	yes	yes	yes	yes
Inglewood Shire	Inglewood town	1 in 20	b,c	c	yes	a,b,telephone	yes	yes	yes	yes	no

Local Government	Town/Community	Drainage	Coastal	2-1	2-2	2-3	2-4	2-5	2-6	2-7	3-1	3-2	3-3
Ipswich City	Ipswich city	Pacific	no	Brisbane/Bremer	135 000	+2%	45 000				no		
Isisford Shire	Isisford	Inland	no	Barcoo	140	0	80	3	0	0	no		
Jericho Shire	Alpha	Inland	no	Alpha Creek	340	0	160	27	4	8	no		
Jericho Shire	Jericho	Inland	no	Jordan Creek	160	0	55	5	1	1	no		
Johnstone Shire		Pacific	yes	Johnstone	9-18 000	+1%	2 500	150	5	0	yes	1996	yes
Jondaryan Shire	Jondaryan township	Inland	no	Lagoon Creek	150	<1%	~60	4	1	-	no		no
Jondaryan Shire	Oakey	Inland	no	Oakey Creek	4 200	+1-2%	1100	100	50	30	no		
Kilcoy Shire	Kilcoy	Pacific	no	Kilcoy/Sheepstation Creeks	1 650	+1.8%	700	50	20	20	no		
Kingaroy Shire	Kingaroy	Pacific	no	Stuart River	8 000	+3.0%					no		
Laidley Shire		Pacific	no	Laidley Creek	13 500	+7%	3595	150	25	100	no		
Livingstone Shire	Nerimbera	Pacific	yes	Fitzroy	400	+2%	180	4	2	10	no		
Logan City		Pacific	no	Logan	160 000	+3.5%	52, 435	1 125	1 010	732	no	-	no
Mackay City	Mackay	Pacific	yes	Pioneer River	55 000	+2%	25 648	1 479	938	250	yes	1918	yes
Maroochy Shire	Whole of Shire	Pacific	yes	Maroochy, Mary and Mooloolah Rivers	108 000	+5.5%	27, 000				no		
Maryborough City		Pacific	yes	Mary River	26 000	+1.2%	9 467	706		350	yes	Feb 1976	yes
McKinlay Shire		Gulf	no	Nth-Flinders River, Sth-Diamantina	1 300	0	280	30	3	10	no		
Mirani Shire	Finch Hatton	Pacific	no	Cattle Creek		0	120	10	5	5	no		
Mount Isa City	Mount Isa	Inland	no	Leichhardt	24 000	0	7369	250		570	no		
Mt Morgan Shire	Mount Morgan	Inland	no	Dee River	4 000	+1%	1 262	54	15	2	no		
Mundubbera Shire	Mundubbera	Pacific	no	Burnett, Bayne + Auburn River Systems	1 250	+0.9%	550	55	20	70	no		
Murweh Shire	Augathella	Inland	no	Warrego	400	-5%					no		
Murweh Shire	Charleville	Inland	no	Warrego	3 500	+0.2%	1750	80	20	40	no		
Nanango Shire		Pacific	no	Sandy Creek	2 800	+5%	1000	50	20	3	no		
Noosa Shire		Pacific	yes	Noosa	30 000	+10%	10, 000	1 000	200	1 000	yes	Feb 1992	no
Paroo Shire	Cunnamulla	Inland	no	Warrego	1 500	0	600	50	1	20	no		
Pine Rivers Shire		Pacific	yes	Pine River	110 000	+4%	35, 000	935		100	yes	1993	yes
Quilpie Shire	Quilpie	Inland	no	Bulloo	650	0	300	45	20		no		
Redcliffe City	Redcliffe	Pacific	yes	Saltwater Creek/Coastal	50 052	+0.6%	17 085	456	483	365	yes	1974	yes
Redland Shire	Bay Island	Pacific	yes	Moreton Bay	2 810	+8%	800				yes		no
Redland Shire	Part Brewer Street Capalaba	Pacific	yes	Tingalpa Creek	15 homes		15	-	-	-	no		no
Richmond Shire	Richmond	Gulf	no	Flinders	900	0	665	15	8	2	no		
Rockhampton City	Rockhampton	Pacific	no	Fitzroy	65 000	+1-1.5%	27 000				no		

Local Government	Town/Community	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8
Ipswich City	Ipswich city	1974	4 105 m3/s	3 to 4 days	1635	200		99	c
Isisford Shire	Isisford	April 1990		2 weeks	0	0	0	0	c
Jericho Shire	Alpha	April 1990		2 days	123	15	0	6	c
Jericho Shire	Jericho	April 1990		3 days	55	5	1	1	c
Johnstone Shire		1913							c
Jondaryan Shire	Jondaryan township	May 1996		-	-	-	-	-	b
Jondaryan Shire	Oakey	1983		few hours	12	-	-	-	b
Kilcoy Shire	Kilcoy	1897		4 days					c
Kingaroy Shire	Kingaroy	March 1982		3.5 hours	4	8	3	-	c
Laidley Shire		1974		5 days	200	80	10		c
Livingstone Shire	Nerimbera	1918							c
Logan City		1974	4 650	3 days	2 034	51	83	189	b
Mackay City	Mackay	1958	9 439	24 hours	6 800				b
Maroochy Shire	Whole of Shire	1992		12 hours	200	0	0	0	b
Maryborough City		1893	25 000	5 day	330	50	20	-	c
McKinlay Shire			-	-	-	-	-	-	c
Mirani Shire	Finch Hatton	1958	-	-	25	5	2	0	c
Mount Isa City	Mount Isa	1974	-	7 days		20			c
Mt Morgan Shire	Mount Morgan	1929	12 000	2 weeks	5	0	0	0	c
Mundubbera Shire	Mundubbera	9-13 Feb 1942	River height 108 ft	3 days	30	3	1	0	c
Murweh Shire	Augathella	20 April 1990	3 400 m3/s						
Murweh Shire	Charleville	20 April 1990	5 700 m3/s	3 days	1 250	all	0	20	c
Nanango Shire		1974		2 hours	5	0	1 school		b
Noosa Shire		Feb 1992			53			2 council + 2 private parks	b
Paroo Shire	Cunnamulla	1990 April		2 weeks	2	0	0	0	c
Pine Rivers Shire		Jan 1974		1 day					b
Quilpie Shire	Quilpie	4/1963			0	0	0	0	c
Redcliffe City	Redcliffe	1974		6-12 hours	50	20	20	50	b
Redland Shire	Bay Island				2 000 ?				
Redland Shire	Part Brewer Street Capalaba				0	-	-	-	
Richmond Shire	Richmond	1974		21 days	0	0	0	0	c
Rockhampton City	Rockhampton	1918	23 500	14 days	411	161			c

Local Government	Town/Community	4-9	4-10	4-11	4-12	4-13	4-14	4-15	5-1	5-2
Ipswich City	Ipswich city	c	b	b	b	b		24-48 hours	yes	
Isisford Shire	Isisford	d	a	a	a	a		3-4 days	yes	
Jericho Shire	Alpha	c	b	b		b		24 hrs	yes	
Jericho Shire	Jericho	c	c	b		b		24 hrs	yes	
Johnstone Shire		c	b	b	b	b	totally immobilise community	4 hrs	some	
Jondaryan Shire	Jondaryan township	a	c	a		a			some	lack of resources
Jondaryan Shire	Oakey	a	a	a	b	b		7 hours	little	lack of resources
Kilcoy Shire	Kilcoy	d	c						no	
Kingaroy Shire	Kingaroy	c	b	a	b	a	access - major difficulty	1 day	minimal	
Laidley Shire		c	c	b	b	b	ambulance, hospital, fire dept - all isolated	1 day	some	
Livingstone Shire	Nerimbera	c	b						no	heights in adjacent shire are recorded
Logan City		b	c	b	b	b		6-8 hrs to 2 days	yes	
Mackay City	Mackay	a	a	a	b	b	Access roads may be cut	6-12 hours	yes	
Maroochy Shire	Whole of Shire	a	a	a	b	a		> 6 hours	yes	
Maryborough City		b	a	a	b	a		3 days	yes	
McKinlay Shire		c	a	a	a	a		-	no	urban areas unaffected
Mirani Shire	Finch Hatton	d	c	b	b	b	-	few hours	yes	-
Mount Isa City	Mount Isa	c	a	a	a	b			limited	
Mt Morgan Shire	Mount Morgan	c	c	a	a	b		12 hours	yes	
Mundubbera Shire	Mundubbera	c	b	b	b	b		24 hours	yes	
Murweh Shire	Augathella									
Murweh Shire	Charleville	c	a	b	b	b	all essential services affected	24 hours-3 days	yes	
Nanango Shire		d	c	a	b	a		2 days	no	cost of damage didn't warrant survey
Noosa Shire		a	b	a	b	a		12 hours	yes	
Paroo Shire	Cunnamulla	c	a	a	a	a		5 days	yes	
Pine Rivers Shire		a	c	a	a	a	minor limitations on services as a result of local flooding	6-12 hours	yes	
Quilpie Shire	Quilpie	c	a	a	a	a			no	
Redcliffe City	Redcliffe	d	b	a	b	a		3-5 hours	yes	
Redland Shire	Bay Island								no	
Redland Shire	Part Brewer Street Capalaba								no	
Richmond Shire	Richmond	c	b	a	a	b		36 hours	no	
Rockhampton City	Rockhampton	c	b	a	a	a		up to 14 days	yes	

APPENDIX 1

Local Government	Town/Community	5-3	5-4	5-5	5-6	5-7	5-8	5-9	5-10	5-11
Ipswich City	Ipswich city	Reference material. Flood warning, prediction	yes	100 years	6 m to 2.2 m (tidal influence)	7 m	24.7 m	1893	yes	b,c,d
Isisford Shire	Isisford	predict flood levels downstream	yes	35 years	2 m	4 m	10 m	April 1990	yes	b
Jericho Shire	Alpha	town planning and warning information	yes	6 years	0 m	8 m	10.26 m	20-4-1990	yes	b
Jericho Shire	Jericho	town planning and warning information	yes	6 years			1.1 m	April 1990	yes	b
Johnstone Shire			yes	7 years					no	b,c
Jondaryan Shire	Jondaryan township	general information	no						some	b
Jondaryan Shire	Oakey	general information	no						some	b
Kilcoy Shire	Kilcoy		no						no	a
Kingaroy Shire	Kingaroy	flood investigations	no						no	a
Laidley Shire		building control, town plan development	yes						yes	b,c
Livingstone Shire	Nerimbera		no				9.72 m		no	a
Logan City		Flood plain management for rezoning, subdivision and building control including emergency management	yes	40 years	1.5 m (tidal)	3.5 m (varies)	13.7 m	1974	yes	b,c,d
Mackay City	Mackay		yes	25+ years	tidal	4.3 m	6.05 m	1958	yes	b
Maroochy Shire	Whole of Shire	model calibration and issuing of fill and floor levels	yes	40 years			-	-	no	c
Maryborough City		public information on property flooding	yes	100 years	3.0 m	4.40 m	12.27 m	1893	yes	b,d
McKinlay Shire			no						no	a
Mirani Shire	Finch Hatton	Local Town Planning, Flood estimation, River Management	yes	recent	-	-	93.7m S.D. (1958 flood)	-	yes	b,d,c
Mount Isa City	Mount Isa		no						no	b
Mt Morgan Shire	Mount Morgan	dam design	no						no	
Mundubbera Shire	Mundubbera	reference	yes	10 years	-2 m	14 m			no	a
Murweh Shire	Augathella					6 m	7.28 m	April 1990	yes	b
Murweh Shire	Charleville	flood warning, etc.	yes	87 years, 7years: telemetric system	0.0 m	6.5 m	8.54 m	20-4-1990	yes	b,c
Nanango Shire			no						no	a
Noosa Shire		1992 flood used as benchmark	yes	8.5 years			1.81 m	23/2/92	yes	b,d
Paroo Shire	Cunnamulla	flood prevention measures	yes	many years		8.5 m	10.25 m	April 1990	yes	d,e
Pine Rivers Shire		Flood advice to owners. Verification of hydrological model analysis	no						yes	b,c
Quilpie Shire	Quilpie		no						no	a
Redcliffe City	Redcliffe	Verify computer programs to define floods. Set minimum floor levels	no						yes	b
Redland Shire	Bay Island								no	
Redland Shire	Part Brewer Street Capalaba		no						no	
Richmond Shire	Richmond		no						no	a
Rockhampton City	Rockhampton	flood prediction and warnings to households	yes	138 years	-1.5m to +1.6m (tidal)	6.2 m	9.7 m	Feb 1918	yes	b

Design Freeb

APPENDIX 1

Local Government	Town/Community	6-1	6-2	6-3	6-4	6-5	6-6	6-7	6-8	6-9	6-10	6-11	6-12	6-13
Ipswich City	Ipswich city	no		yes	yes	1 in 20	yes	c					yes	no
Isisford Shire	Isisford	no												
Jericho Shire	Alpha	yes	1 in 50			1 in 50	yes	b	120	15	0	0	no	no
Jericho Shire	Jericho	no	1 in 50	no	no	1 in 50	yes	b	55	5	1	1	yes	yes
Johnstone Shire		yes	1 in 50	no	no	1 in 50	yes	b,c					no	no
Jondaryan Shire	Jondaryan township	no												
Jondaryan Shire	Oakey	no												
Kilcoy Shire	Kilcoy	no												
Kingaroy Shire	Kingaroy	no		no	no	1 in 50	no	c			-	-	no	no
Laidley Shire		no	1 in 20 and 100	no	no	1 in 50, 100	no		150	50	10	0	no	no
Livingstone Shire	Nerimbera	no												
Logan City		yes	1 in 2, 10, 20, 50,100, other: 1974 and > 1 in 100 & 500	no	no	1974 flood, 1 in 50, 100	yes	b,c,d	2 034	51	83	189	no	yes
Mackay City	Mackay	yes	1 in 10, 50, 100, 60 and 200	no	no	1 in 42, 50	no	a					yes	no
Maroochy Shire	Whole of Shire	yes	1 in 20, 50, 100	no	no	1 in 100	no		< 50	minimmal	minimmal	minimmal	no	yes
Maryborough City		no												
McKinlay Shire		no												
Mirani Shire	Finch Hatton	no		no	no	1958 flood	yes	b	25	5	2	-	no	yes
Mount Isa City	Mount Isa	yes	1 in 5, 50, 15	no	no	1 in 15	yes	c	50	20			no	no
Mt Morgan Shire	Mount Morgan	no		no	no	none	no	a					no	no
Mundubbera Shire	Mundubbera	no												
Murweh Shire	Augathella	yes		no	no								yes	yes
Murweh Shire	Charleville	yes	1 in 100, 150	no	no		yes	b					yes	yes
Nanango Shire		no												
Noosa Shire		yes	1 in 20, 50, 100	yes	yes	1 in 100	yes	b	60	20	0	0	yes	yes
Paroo Shire	Cunnamulla	yes	1 in 100	no	yes	1 in 100	no	a	2				no	no
Pine Rivers Shire		yes	1 in 2, 50, 100	yes	yes	1 in 50, 100	yes	b,c					no	no
Quilpie Shire	Quilpie	no												
Redcliffe City	Redcliffe	yes	1 in 2, 5, 10, 50, 100	no	no	1 in 100	yes	b	20	0	10	0	no	yes
Redland Shire	Bay Island	yes	1 in 100, tidal storm surge	yes	yes	1 in 100	yes	d	20					
Redland Shire	Part Brewer Street Capalaba	yes	1 in 100			1 in 100	yes	b	15	1	-	-	no	no
Richmond Shire	Richmond	no				none	no		0	0	0	0		
Rockhampton City	Rockhampton	yes	1 in 2, 5, 10, 20, 50,100	yes	yes	1 in 100	yes	b					yes	yes

Local Government	Town/Community	7-1	7-2	7-3	7-4	7-5	7-6	7-7	8-1
Ipswich City	Ipswich city	yes	derived 1 in 20	yes		0.3 m	combination in various circumstances	a,b,d	
Isisford Shire	Isisford	yes	a	yes				a,b	
Jericho Shire	Alpha	no		yes		0			
Jericho Shire	Jericho	no		yes					a
Johnstone Shire		no		no				b, building application	a
Jondaryan Shire	Jondaryan township								none
Jondaryan Shire	Oakey	no							none
Kilcoy Shire	Kilcoy	no							b
Kingaroy Shire	Kingaroy	no							stream modification and clean up
Laidley Shire		no	a	no	as per QUDM	300 mm	c	b	
Livingstone Shire	Nerimbera	no							
Logan City		yes	b	yes		150 mm	b,c	a,b	c,d
Mackay City	Mackay	yes	physical model	yes			b	b,d	a,c
Maroochy Shire	Whole of Shire	yes	a,b	yes			b	a,b, Brisbane Flood Mitigation Act	a,c
Maryborough City		yes	a	yes		0.3 m			d
McKinlay Shire		no							none
Mirani Shire	Finch Hatton	yes	a,b	yes		300 mm	1958 flood	b,d	
Mount Isa City	Mount Isa	yes	b	yes			c	b	
Mt Morgan Shire	Mount Morgan	no							
Mundubbera Shire	Mundubbera	yes	a	yes					
Murweh Shire	Augathella								none
Murweh Shire	Charleville	yes	a, local knowledge	yes			a		d
Nanango Shire		no							
Noosa Shire		yes	b	yes		0.6 m	b	b	redevelop above flood level
Paroo Shire	Cunnamulla	yes	a,b	yes			c	a,b,c	a
Pine Rivers Shire		yes	a,b	yes		0.6 m to 1.0 m	b,c	a,b,c	c, drainage schemes
Quilpie Shire	Quilpie	no							
Redcliffe City	Redcliffe	yes	b	yes			no filling below Q100 flood	b	c
Redland Shire	Bay Island	no					b	b	
Redland Shire	Part Brewer Street Capalaba	no							
Richmond Shire	Richmond	no							
Rockhampton City	Rockhampton	yes	a,b	yes			b	b	none

Local Government	Town/Community	8-2	8-3	8-4	9-1	9-2	9-3	9-4	9-5	9-6	9-7
Ipswich City	Ipswich city	a,b,c	a,b,c		yes	yes	yes	yes	yes	May 1996	17.3 m
Isisford Shire	Isisford	b				yes	yes	no	yes	1990	-
Jericho Shire	Alpha		c	c	yes	yes	yes	yes	yes	April 1990	10.2 m
Jericho Shire	Jericho	c	c	c	yes	yes	yes	yes	yes	Feb 1997	0.3 m
Johnstone Shire		a,c	a,b,c	b,c	yes	yes	no	no	yes	1996	-
Jondaryan Shire	Jondaryan township	none			yes	yes	no	no	no	-	
Jondaryan Shire	Oakey	none			no	yes	no	no	no	1983	-
Kilcoy Shire	Kilcoy	a	b,c	b,c	yes	yes	no	no	no	1992	
Kingaroy Shire	Kingaroy	none	c	c	yes		no	no	no	Jan1996	-
Laidley Shire		a,b,c	Water Infrastructure Task Force	c	yes	yes	yes	no	yes	May 1996	
Livingstone Shire	Nerimbera	a,b			yes	yes	no	no	no	Jan 1991	9.35 m
Logan City		a,b,c, property aquisition (DCP)	a,b,c	c	yes	yes	no	yes	yes	May 1996, Feb 1991	9.06 m
Mackay City	Mackay	c	c	a,b,c, Pioneer River improvement Trust	yes	yes	no	yes	yes	Jan 1991	
Maroochy Shire	Whole of Shire	a,b,c	c	a,b,c	yes	yes	yes	no	yes	1992	-
Maryborough City		c			yes	yes	yes	no	no	1992	9.48 m
McKinlay Shire		none	none	none		yes					
Mirani Shire	Finch Hatton	a,b,c	a,b,c	a,b,c	yes	yes	no	yes	yes	1958	-
Mount Isa City	Mount Isa		c		yes	yes	no	no	no	1991	
Mt Morgan Shire	Mount Morgan				no	no	no	no	yes		
Mundubbera Shire	Mundubbera				yes	yes	yes	no	yes	1974	
Murweh Shire	Augathella				yes	yes	no	no	-	4-2-1997	6.45 m
Murweh Shire	Charleville	c			yes	yes	yes	no	yes	3-4 Feb 1997	7.44 m
Nanango Shire		a,b			yes	yes	no	no	yes	1974	
Noosa Shire		a	c		yes	yes	no	no	yes	Feb 1992	1.81 m
Paroo Shire	Cunnamulla	b	a,b,c	a,b,c	yes	yes	no	no	yes	1990	10.25 m
Pine Rivers Shire		a,b	c	b,c	yes	yes	no	no	yes	1993	
Quilpie Shire	Quilpie	c			yes	yes	no	no	yes		
Redcliffe City	Redcliffe	b	c	c	yes	yes	no	no	no	1974	
Redland Shire	Bay Island	b	b,c	c	yes	yes	no	no	no		
Redland Shire	Part Brewer Street Capalaba	b	c		no	no	no	no	no		
Richmond Shire	Richmond				yes	yes	no	no	yes		
Rockhampton City	Rockhampton	a,b,c	a,b,c		yes	yes	no	yes	yes	Dec-Jan 1990/91	9.3 m

Local Government	Town/Community	9-8	10-1	10-2	10-3	10-4	11-1	11-2	11-3	11-4	11-6
Ipswich City	Ipswich city	1 in 20	c	c	yes	b, SES, police, citizens watch	yes	yes	yes	no	yes
Isisford Shire	Isisford	-	c	b	yes	b	yes	yes	no	yes	yes
Jericho Shire	Alpha	1 in 200	c	b	yes	a	yes	yes	yes	yes	yes
Jericho Shire	Jericho		c	b,c	yes	a	yes	yes	yes	yes	yes
Johnstone Shire			b,c	c	yes	a,b	yes	yes	yes	yes	no
Jondaryan Shire	Jondaryan township		a		no		no				
Jondaryan Shire	Oakey	-	a		no		no	no	no		no
Kilcoy Shire	Kilcoy	1 in 10	b	b	no		yes	no	no		no
Kingaroy Shire	Kingaroy	1 in 10	a		no		yes	yes	no		no
Laidley Shire		1 in 20	c	c	no		yes	yes	yes	yes	no
Livingstone Shire	Nerimbera		c	b	no	b,c	yes	yes	yes	yes	no
Logan City		1 in 5 (1996), 1 in 20 (1991)	c	b,c	yes	a, telephone, warden system (local area emergency group)	yes	yes	yes	yes	yes
Mackay City	Mackay		c	b	yes	b,c	yes	no	no	yes	yes
Maroochy Shire	Whole of Shire	1 in 70	b	c	yes	b,c, telephone	yes	yes	no	-	yes
Maryborough City		1 in 20	c	c	no		yes	yes	yes	yes	no
McKinlay Shire											
Mirani Shire	Finch Hatton	-	'alert' system	b,c	yes	b,c	yes	yes	no	-	-
Mount Isa City	Mount Isa	1 in 5	a	a	no		no				
Mt Morgan Shire	Mount Morgan		a	a	no		yes	yes	no	yes	no
Mundubbera Shire	Mundubbera		a	b	no		yes	no	no	no	
Murweh Shire	Augathella		c	c	yes	a					
Murweh Shire	Charleville	1 in 85	b,c	b,c	yes	a,b,d	yes	yes	yes	yes	yes
Nanango Shire			a	a	no		no				
Noosa Shire		1 in 70	b	c	yes	a,b	yes	yes	yes	yes	yes
Paroo Shire	Cunnamulla	1 in 100	c	b,c	no		yes	no	yes	yes	no
Pine Rivers Shire			b	b	no		yes	yes	no		yes
Quilpie Shire	Quilpie		c	b,c	no		no				
Redcliffe City	Redcliffe	1 in 45	a	a	no		yes	no	no		no
Redland Shire	Bay Island		a								
Redland Shire	Part Brewer Street Capalaba		a	a			no				
Richmond Shire	Richmond		b	b	no		yes	no	yes	yes	no
Rockhampton City	Rockhampton	1 in 60	c	c	yes	b,c	yes	yes	yes	yes	yes

Local Government	Town/Community	Drainage	Coastal	2-1	2-2	2-3	2-4	2-5	2-6	2-7	3-1	3-2	3-3
Roma Town	Roma	Inland	no	Balonne	6 738	0	2384	295	119	3	no	7/03/1997	yes
Rosalie Shire	Cooyar	Inland	no	Brisbane River, Cooyar Ck	70	0	30	10			no		no
Rosalie Shire	Quinalon	Inland	no	Myall Ck, Murray-Darling Basin	50	< 2%	20	8	1		no	1989	no
Sarina Shire	Armstrong Beach	Pacific	yes		200	+3%	80	1	0	25	yes	Cyclone - 1918	yes
Sarina Shire	Campuri/Sarina Beach	Pacific	yes		425	+0.5%	150	5	0	30	yes	Cyclone 1918	yes
Sarina Shire	Grasstree Beach	Pacific	yes		330	+1%	130	3	2	0	yes	Cyclone - 1918	yes
Sarina Shire	Louisa Creek	Pacific	yes		250	+0.1%	100	-	-	-	yes	Cyclone 1918	yes
Sarina Shire	Salonica Beach/Half Tide	Pacific	yes		370	+1%	150	4	5	40	yes	Cyclone 1918	yes
Tambo Shire	Tambo	Inland	no		400		109	18	-	6	no		
Tara Shire	Tara	Inland	no	Undulla Ck Moonie R.	4 030	+1%	2200	60	20	40	no		
Taroom Shire	Taroom	Inland	no	Fitzroy	700	-0.2%	250	24	6	4	no		
Thuringowa City		Pacific	yes	Ross River/Bohle River	40 000	+5-8%	15 000	500	100		yes	December 1971 cyclone "Althea"	yes
Tiaro Shire		Pacific	no		4 500	+9%	1700	50	10	200	yes	potential only	no
Toowoomba City	Toowooomba City	Inland	no	Gowrie, Westbrook & Spring Cks -- Condamine River	90 560	+1.53%	33 000				no		
Townsville City	Townsville	Pacific	yes		88 855	+1%	21,000	3 300			yes	1971	yes
Waggamba Shire		Inland	no	Border Rivers	438	0	182	30	1	0	no	1984	no
Wambo Shire	Jandowae	Inland	no	Condamine	875	+0-2%					no	1981	no
Waroo Shire	Surat	Inland	no	Balonne	500	-5%	250	20	6	1	no		
Warwick Shire	Warwick	Inland	no	Condamine River	12 000	+1.7 %	4 000	250	150	115	no		
Winton Shire	Winton	Inland	no	Western River	1 000	Negative	250	40	22	50	no	1993	no
Atherton Shire		Pacific	no										
Belyando Shire	No communitites at risk	Inland	no										
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.	Pacific	yes	nil			2400	60	20	200	yes	nil	no
Bungil Shire	Injune	Pacific	no	Injune Creek - not flood prone	1 100	0	153	53	8	6	no		
Clifton Shire		Inland	no										
Cloncurry Shire		Gulf	no										
Diamantina Shire	Bedourie	Inland	no	Georgina	100	+5%	30	3	2	10	no		
Duaringa Shire		Pacific	no	Dawson/Mackenzie	11 000	+1%	2000	100		100	no		no
Isis Shire		Pacific	no										
Kilkivan Shire		Pacific	no										
Kolan Shire		Pacific	no										
Millmerran Shire		Inland	no										

Local Government	Town/Community	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8
Roma Town	Roma	7/3/1997.		48 hours	40	2	2	2	b(97), c(63)
Rosalie Shire	Cooyar	1989		12 hours	12	6			c
Rosalie Shire	Quinalon	Feb 1983		24 hours					c
Sarina Shire	Armstrong Beach	1918 (storm surge)					Today: 1.5m tidal surge would affect > 50% population		c
Sarina Shire	Campuri/Sarina Beach	1918 (storm surge)					1.5m tidal surge would affect 60 persons		c
Sarina Shire	Grasstree Beach	1918 (storm surge)					3m tidal surge would affect 30% or about 100 persons		c
Sarina Shire	Louisa Creek	1918 (storm surge)					100 persons would be affected by 1.5m storm surge		c
Sarina Shire	Salonica Beach/Half Tide	1918 (storm surge)					30 persons would be affected by 3m storm surge		c
Tambo Shire	Tambo	1983		1 week	3				c
Tara Shire	Tara	1983		2 weeks	15	0	0	0	b
Taroom Shire	Taroom	1890			25	12		4	b
Thuringowa City		1940's		1-2 days		yes	yes	yes	c
Tiaro Shire		1894		3 weeks					b
Toowoomba City	Toowooomba City	1890's		< 1 day					b
Townsville City	Townsville	varies		0.25 - 3 hrs					c
Waggamba Shire		1956		5 days	100% - 110 buildings	7	1 (sawmill)	-	c
Wambo Shire	Jandowae	1946	229m3/s	2 days	6	3	-	-	c
Waroo Shire	Surat	Jan/Feb 1996		10 days	1	0	1	0	c
Warwick Shire	Warwick	11-2-76	1 400	2-3 days	90	1	2	0	c
Winton Shire	Winton	1954		1 week	40	20	2	15	c
Atherton Shire									
Belyando Shire	No communitites at risk								
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.	Dec 1990, Jan 1991		3 - 4 weeks	0	0	0	0	c
Bungil Shire	Injune				0	0	0	0	b
Clifton Shire									
Cloncurry Shire									
Diamantina Shire	Bedourie	1974			0	0	0	10	c
Duaringa Shire									
Isis Shire									
Kilkivan Shire									
Kolan Shire									
Millmerran Shire									

Local Government	Town/Community	4-9	4-10	4-11	4-12	4-13	4-14	4-15	5-1	5-2
Roma Town	Roma	b(97), d(63)	a(97), c(63)	a	b(63 & 97)	b(97), a(63)			yes	
Rosalie Shire	Cooyar	d	c			b		6	yes	
Rosalie Shire	Quinalon	d	c					12 hours	yes	
Sarina Shire	Armstrong Beach	d	c			b				
Sarina Shire	Campuri/Sarina Beach	d	c	a		b				
Sarina Shire	Grasstree Beach	d	c	a		b				
Sarina Shire	Louisa Creek	d	c	a		b				
Sarina Shire	Salonica Beach/Half Tide	d	c			b				
Tambo Shire	Tambo	d	b	a		b			no	no records
Tara Shire	Tara	c	b	a	a	a		1 day	no	
Taroom Shire	Taroom	d	a	a	b	b		3/4 day	no	lack of resources
Thuringowa City		c	c					12 hours	no	too early in history
Tiaro Shire		c	c	a		b		6	no	partial data available - some aerial photographs
Toowoomba City	Toowoomba City	b	a	a	a	a		15-30min	limited	storm durations are usually too short
Townsville City	Townsville	c	b		b	b		0.5-4 hours	yes	
Waggamba Shire		c	c	b	a	b		1-2 days	no	apathy - some unconfirmed data available
Wambo Shire	Jandowae	c	b	a	a	a		18 hours	no	-
Waroo Shire	Surat	d	a	a	a	a		72 hours	yes	records now being kept by Council and police
Warwick Shire	Warwick	a	b	a	b				yes	-
Winton Shire	Winton	c	b	a	b			24 hours	no	
Atherton Shire										
Belyando Shire	No communitites at risk									
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.	c	a	a	a	a		2-4 hours	no	no flooding problems exist
Bungil Shire	Injune		a	a	a	a			no	no flooding in town
Clifton Shire										
Cloncurry Shire										
Diamantina Shire	Bedourie	d	a	a	a	b			no	no official recording
Duaringa Shire										
Isis Shire										
Kilkivan Shire										
Kolan Shire										
Millmerran Shire										

Local Government	Town/Community	5-3	5-4	5-5	5-6	5-7	5-8	5-9	5-10	5-11
Roma Town	Roma	town planning regulations, contours map	yes	15 years	2 m to 3 m	6.10 m	7.32 m	7/3/1997	yes	b,c,d
Rosalie Shire	Cooyar	building approvals	no						yes	b
Rosalie Shire	Quinalon	building approvals	no						yes	b
Sarina Shire	Armstrong Beach								storm surge	b
Sarina Shire	Campuri/Sarina Beach								storm surge	b
Sarina Shire	Grasstree Beach								storm surge	b
Sarina Shire	Louisa Creek								storm surge	b
Sarina Shire	Salonica Beach/Half Tide								storm surge	b
Tambo Shire	Tambo		yes	3 years	0 m	4.5 m	5.2 m	2/2/97	no	a
Tara Shire	Tara		yes		1m	6m	0.9 m	May 1983	no	a
Taroom Shire	Taroom		yes	135 years			14.78 m	March 1890	no	a
Thuringowa City			yes	10 years				24/3/1990	no	a
Tiaro Shire		house siting	no						no	b,d
Toowoomba City	Toowooomba City	calibration of Flood Study	yes						no	a
Townsville City	Townsville	Public information. Identifying flood prone areas. Strategic planning, mitigation works. Access roads cut.	no						yes	b,c,d
Waggamba Shire		building heights	no	-	-	-	-	-	limited	a
Wambo Shire	Jandowae	-	yes	3 years	-	-	-	-	no	a
Waroo Shire	Surat		yes			10 m	13.8 m	Jan/Feb 1996	no	a
Warwick Shire	Warwick	property searches, etc.	yes	120 years	0.15 m	3.0 m (lowest point)	9.10 m	11-2-76	yes	b
Winton Shire	Winton		no						no	a
Atherton Shire										
Belyando Shire	No communitites at risk									
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.		no						no	a
Bungil Shire	Injune		no						no	a
Clifton Shire										
Cloncurry Shire										
Diamantina Shire	Bedourie		no						no	a
Duaringa Shire										
Isis Shire										
Kilkivan Shire										
Kolan Shire										
Millmerran Shire										

Design Props

Local Government	Town/Community	6-1	6-2	6-3	6-4	6-5	6-6	6-7	6-8	6-9	6-10	6-11	6-12	6-13
Roma Town	Roma	no	1 in 50	no	yes	1 in 50	yes		-	-	-	-	yes	
Rosalie Shire	Cooyar	no												
Rosalie Shire	Quinalon	no												
Sarina Shire	Armstrong Beach	no												
Sarina Shire	Campuri/Sarina Beach	no												
Sarina Shire	Grasstree Beach	no												
Sarina Shire	Louisa Creek	no												
Sarina Shire	Salonica Beach/Half Tide	no												
Tambo Shire	Tambo	no												
Tara Shire	Tara	no												
Taroom Shire	Taroom	no		no	no	1 in 100	no	a	25	12		4	no	no
Thuringowa City		yes	1 in 20, 50	no	no	1 in 50	yes	b,c	20	0	0		no	yes
Tiaro Shire		no												
Toowoomba City	Toowooomba City	yes	1 in 2, 20, 100	no	no	1 in 100	no	b		>10			no	yes
Townsville City	Townsville	yes	design studies on AR & R information	no	no	1 in 2, 10, 20, 50							yes	
Waggamba Shire		yes	1 in 50	no	no	1 in 50	no		110 (100%)	7 (100%)	1 (100%)	-	no	no
Wambo Shire	Jandowae	no		no	no	none	no	a	-	-	-	-	no	no
Waroo Shire	Surat.	no		no	no		no	a	2		1		no	no
Warwick Shire	Warwick	yes	1 in 10, 20, 50, 100, 200, 500, and PMF	yes	yes	1 in 100	yes	b	90	1	32	0	no	no
Winton Shire	Winton	no		no	no									
Atherton Shire														
Belyando Shire	No communitites at risk													
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.	no												
Bungil Shire	Injune	no		no	no	none	no	a	0	0	0	0	no	no
Clifton Shire														
Cloncurry Shire														
Diamantina Shire	Bedourie	no		no	no	none	no	a					no	no
Duaringa Shire														
Isis Shire														
Kilkivan Shire														
Kolan Shire														
Millmerran Shire														

Local Government	Town/Community	7-1	7-2	7-3	7-4	7-5	7-6	7-7	8-1
Roma Town	Roma	yes	a	yes		-	c	b	none
Rosalie Shire	Cooyar	yes	b	no		300 mm	a	a,b, local law	a,d
Rosalie Shire	Quinalon	yes	b	yes		300 mm		a,b, local law	d
Sarina Shire	Armstrong Beach	no							none
Sarina Shire	Campuri/Sarina Beach	no							none
Sarina Shire	Grasstree Beach	no							none
Sarina Shire	Louisa Creek	no							none
Sarina Shire	Salonica Beach/Half Tide	no							none
Tambo Shire	Tambo	no							
Tara Shire	Tara	no							
Taroom Shire	Taroom	no		yes			a		
Thuringowa City		yes	b	yes		450 mm	b	b	a
Tiaro Shire		yes	b	yes			a	a, Building Act	
Toowoomba City	Toowooomba City	no							
Townsville City	Townsville	yes	a	no			c	a,b, council policy	a,b,c, improvement to channels
Waggamba Shire		no							a
Wambo Shire	Jandowae	no				-	levee bank by-laws etc.	a,d	d
Waroo Shire	Surat	no							none
Warwick Shire	Warwick	yes	a	yes		0	Local laws and policies	a,b,c,d	none
Winton Shire	Winton	no							none
Atherton Shire									
Belyando Shire	No communitites at risk								
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.	no							none
Bungil Shire	Injune	no							
Clifton Shire									
Cloncurry Shire									
Diamantina Shire	Bedourie	no							
Duaringa Shire									
Isis Shire									
Kilkivan Shire									
Kolan Shire									
Millmerran Shire									

Local Government	Town/Community	8-2	8-3	8-4	9-1	9-2	9-3	9-4	9-5	9-6	9-7
Roma Town	Roma	a,b	c	-	yes	yes	yes	no	yes	7/3/1997	7.32 m
Rosalie Shire	Cooyar	a,b		c	yes	yes	yes	no	yes	1989	
Rosalie Shire	Quinalon	a,b		c	yes	yes	yes	no	yes	1989	
Sarina Shire	Armstrong Beach	a,b,c	c			yes	no	yes	yes		
Sarina Shire	Campuri/Sarina Beach	a,b,c	c			yes	no	yes	yes		
Sarina Shire	Grasstree Beach	a,b,c	c			yes	no	yes	yes		
Sarina Shire	Louisa Creek	a,b,c	c			yes	no	yes	yes		
Sarina Shire	Salonica Beach/Half Tide	a,b,c	c			yes	no	yes	yes		
Tambo Shire	Tambo	c			yes	yes	yes	no	yes	1983	6.2 m
Tara Shire	Tara		c	b,c	yes	yes	no	no	yes	Jan/May 1996	0.9 m
Taroom Shire	Taroom				yes	yes	yes	yes	yes	11/1/1996	7.15 m
Thuringowa City		a,b	c, developer's contribution	developers contribution	yes	yes	no	no	yes	19 Feb 1991	
Tiaro Shire					yes	no	no	no	no	1992	
Toowoomba City	Toowooomba City	a			yes	yes	no	no	no	Feb 1995	
Townsville City	Townsville	a,b, advice	c	c, works undertaken by subdividers	yes	yes	no	yes		1990	-
Waggamba Shire		a	a,b,c	c	yes	yes	no	no	yes	1984	-
Wambo Shire	Jandowae	b,c		River Trust Channel Improvement	yes	yes	no	no	yes	1983	-
Waroo Shire	Surat	c			yes	yes	yes	yes	yes	Jan/Feb 1996	13.8 m
Warwick Shire	Warwick	a,b,c	a,b,c		yes	yes	no	no	no	5-5-96	7.0 m
Winton Shire	Winton	none	none	none	yes	yes	yes	no	yes	1993	-
Atherton Shire											
Belyando Shire	No communitites at risk										
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.	none	none	none	yes	yes	no	no	yes		
Bungil Shire	Injune							no	yes		
Clifton Shire											
Cloncurry Shire											
Diamantina Shire	Bedourie	b			yes	yes	no	no	yes		
Duaringa Shire											
Isis Shire											
Kilkivan Shire											
Kolan Shire											
Millmerran Shire											

Local Government	Town/Community	9-8	10-1	10-2	10-3	10-4	11-1	11-2	11-3	11-4	11-6
Roma Town	Roma	1 in 34	b,c	c	yes	a,b	yes	yes	yes	yes	yes
Rosalie Shire	Cooyar	1 in 100	a	a	no		yes	no	yes	yes	no
Rosalie Shire	Quinalon	1 in 20	a	a	no		yes	no	yes	yes	no
Sarina Shire	Armstrong Beach		c	c	yes	b,c, SES	yes	yes	no		yes
Sarina Shire	Campuri/Sarina Beach		c	c	yes	b,c, SES	yes	yes	no		yes
Sarina Shire	Grasstree Beach		c	c	yes	b,c, SES	yes	yes	no		yes
Sarina Shire	Louisa Creek		c	c	yes	b,c, SES	yes	yes	no		yes
Sarina Shire	Salonica Beach/Half Tide		c	c	yes	b,c, SES	yes	yes	no		yes
Tambo Shire	Tambo	1 in 10	b,c	c, road closures	yes	SES	yes	no	yes	yes	yes
Tara Shire	Tara	1 in 5	b	b, SES	no		yes	yes	no		yes
Taroom Shire	Taroom		b,c	c	no	b	yes	yes	no		no
Thuringowa City		1 in 8	a	a	no		yes	no	no	yes	yes
Tiaro Shire		1 in 4	a	a	no		yes	yes	no	no	yes
Toowoomba City	Toowooomba City	1 in 2-5	a	a	no		no				
Townsville City	Townsville	1 in 40	a	counter disaster procedures	yes	b,c, police, post	yes	yes	no		yes
Waggamba Shire			c	b	yes	recorded message	yes	yes	no	yes	no
Wambo Shire	Jandowae		a	a	no		yes	no	no	no	no
Waroo Shire	Surat		c	b,c	yes	b,c	yes	yes	yes	yes	yes
Warwick Shire	Warwick	1 in 10	b,c	b,c	yes	a	yes	no	no	no	no
Winton Shire	Winton	1 in 5	a		no	-	yes	no	no		no
Atherton Shire											
Belyando Shire	No communitites at risk										
Broadsound Shire	no towns or buildings in the Broadsound Shire are subject to flooding.		b	b	no		yes	yes	no	no	yes
Bungil Shire	Injune		a		no		yes				
Clifton Shire											
Cloncurry Shire											
Diamantina Shire	Bedourie			b	no	a	yes	no	yes	yes	no
Duaringa Shire											
Isis Shire											
Kilkivan Shire											
Kolan Shire											
Millmerran Shire											

Local Government	Town/Community	Drainage	Coastal	2-1	2-2	2-3	2-4	2-5	2-6	2-7	3-1	3-2	3-3
Monto Shire	Monto	Pacific	no	Three Moon Creek / Montal Creek: Burnett River	1 600	+2%	600	80	20	20	no		
Murgon Shire	Murgon (see comment)	Pacific	no	Barambah Creek	3 000	+1%	820	100	20	5	no		no
Peak Downs Shire	Capella and Tieri	Pacific	no										
Perry Shire	Mount Perry	Pacific	no	Burnett	350		175	6	2	2	no		
Whitsunday Shire	Towns of Whitsunday and Prosperpine	Pacific	yes	no questionnaire answers									
Wondai Shire		Pacific	no	no questionnaire answers									

Local Government	Town/Community	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8
Monto Shire	Monto	1942, 1996		1 week	0	0	0	0	c
Murgon Shire	Murgon (see comment)				-	-	-	-	b
Peak Downs Shire	Capella and Tieri								
Perry Shire	Mount Perry	1946			0				c
Whitsunday Shire	Towns of Whitsunday and Prosperpine								
Wondai Shire									

Local Government	Town/Community	4-9	4-10	4-11	4-12	4-13	4-14	4-15	5-1	5-2
Monto Shire	Monto	c	a	a	a	a		5-10 hours	no	lack of resources
Murgon Shire	Murgon (see comment)	c	a	a	a	a			no	DNR maintain records of Barambah Creek
Peak Downs Shire	Capella and Tieri									
Perry Shire	Mount Perry	d	c			b	ambulance affected		no	
Whitsunday Shire	Towns of Whitsunday and Prosperpine									
Wondai Shire										

Local Government	Town/Community	5-3	5-4	5-5	5-6	5-7	5-8	5-9	5-10	5-11
Monto Shire	Monto		no						no	a
Murgon Shire	Murgon (see comment)		no						no	a
Peak Downs Shire	Capella and Tieri									
Perry Shire	Mount Perry		no						no	a
Whitsunday Shire	Towns of Whitsunday and Prosperpine									
Wondai Shire										

APPENDIX 1

Local Government	Town/Community	6-1	6-2	6-3	6-4	6-5	6-6	6-7	6-8	6-9	6-10	6-11	6-12	6-13
Monto Shire	Monto	no												
Murgon Shire	Murgon (see comment)	no												
Peak Downs Shire	Capella and Tieri													
Perry Shire	Mount Perry						no	a	1	0	0	0	no	no
Whitsunday Shire	Towns of Whitsunday and Prosperpine													
Wondai Shire														

Local Government	Town/Community	7-1	7-2	7-3	7-4	7-5	7-6	7-7	8-1
Monto Shire	Monto	no							none
Murgon Shire	Murgon (see comment)	no							
Peak Downs Shire	Capella and Tieri								
Perry Shire	Mount Perry	no							
Whitsunday Shire	Towns of Whitsunday and Prosperpine								
Wondai Shire									

Local Government	Town/Community	8-2	8-3	8-4	9-1	9-2	9-3	9-4	9-5	9-6	9-7
Monto Shire	Monto	none	none	none	no	yes	no	no	yes	1996	
Murgon Shire	Murgon (see comment)		none	none	no	no	no	no	no	-	
Peak Downs Shire	Capella and Tieri										
Perry Shire	Mount Perry						no	no	yes		
Whitsunday Shire	Towns of Whitsunday and Prosperpine										
Wondai Shire											

Local Government	Town/Community	9-8	10-1	10-2	10-3	10-4	11-1	11-2	11-3	11-4	11-6
Monto Shire	Monto		c	a	no		yes	yes	no	no	no
Murgon Shire	Murgon (see comment)		c	signs at creek crossings	no		no				
Peak Downs Shire	Capella and Tieri										
Perry Shire	Mount Perry		a	a	no		yes	yes	no		no
Whitsunday Shire	Towns of Whitsunday and Prosperpine										
Wondai Shire											

Appendix 2

The Questionnaire as Circulated to all LGAs

Where appropriate, aggregate responses have been added to the questionnaire. These are restricted to replies which indicated that an urban flood problem, as defined in the study, existed.

Some LGAs submitted responses for more than one flood prone locality. **The aggregate replies are for locality and not for LGA.** Details of LGAs responding and for the individual localities are given in Appendix 1.

Urban Flood Risk in Queensland

The Department of Natural Resources has commissioned a study of Urban Flood Risk in Queensland as part of an overall project addressing floodplain management in Queensland. The objectives of this study are to:

- define the size, vulnerability & spatial distribution of flood prone communities in Queensland; and
- provide a basis for prioritising more detailed investigations into the extent of flood problems and establishing ways of mitigating the problems.

This questionnaire has been designed to provide the basic data for this study.

As mainstream flooding is the primary focus of this investigation, consideration of flooding from urban drainage surcharge should be excluded. However, flooding resulting from storm tide should be included as flooding and storm tide are often coincident. Where possible flooding from storm tide should be identified.

It is requested that a separate questionnaire be completed for **each** town/community within your Local Government boundary where the number of buildings at risk of flooding during the largest recorded event or during the estimated 1 in 100yr event is greater than 10. If the number of buildings within a town/community at risk to flooding is less that 10, no response is required.

In the case of major towns, it maybe appropriate to complete separate questionnaires for areas with discrete separate flow systems.

It is acknowledged that not all Local Governments will be able to complete every item in this questionnaire. However, it is requested the each Local Government provide the best information available for each flood affected town/community.

Definitions of some terms used in this questionnaire are attached at the end of the questionnaire.

Local Government	
Town/Community	

1 *Contact Person*

1.1 Contact Person	
1.2 Position	
1.3 Telephone Number	

2 *Town/Community Data*

2.1 River Basin	
2.2 Total Population in Town/Community	
2.3 Percentage Growth Rate	

Total Number of buildings within the Community (Please estimate from the best data available)	
2.4 Residential	
2.5 Commercial	
2.6 Industrial	
2.7 Caravans & Mobile Homes	

3 *Storm Tide*

3.1 Does a storm tide problem exist?	❑ yes	❑ no

If "no" is the answer to the above question, please go to Question 4.

3.2 Date of the last event which caused flooding of buildings	
3.4 Does a storm tide inundation map exist?	❑ yes ❑ no

4 *Largest Known Flood Data*

Details of Largest Known Event	
4.1 Date of largest known flood event	
4.2 Estimated Max Discharge (cumecs)	
4.3 Duration of Flood Inundation	

Total Number of buildings flooded by Largest Recorded Event (Please estimate from the best data available)	
4.4 Residential	
4.5 Commercial	
4.6 Industrial	
4.7 Caravans & Mobile Homes	

Effect of Largest Known Flood on Lifelines	
4.8 Major Roads	❑ no access roads affected ❑ some access roads cut ❑ all access road cut
4.9 Rail	❑ no rail links affected ❑ some rail links cut ❑ all rail links cut ❑ not appliciable
4.10 Airport	❑ airport unaffected ❑ airport closed or services interrupted ❑ not appliciable
4.11 Water Supply	❑ water supply unaffected ❑ water supply interrupted by flooding
4.12 Sewerage Facilities	❑ sewerage facilities unaffected ❑ sewerage facilities flooded
4.13 Electricity Supply	❑ electricity supply unaffected ❑ electricity supply interrupted by flooding
4.14 Other (eg fire,ambulance or hospital)	

Estimates of Flood Warning Time for Largest Known Flood	
4.15 Time between commencement of rainfall and initial flooding of urban area (hr)	

5 *Mappingof Past Flood Events*

Data Collection	
5. 1 Is historical flood data available?	❑ yes ❑ no
5. 2 If no historical flood data has been recorded, please give reasons.	
5. 3 If historical data is available, what is the data used for?	

Town Flood Gauge	
5.4 Does a town flood gauge exist?	❑ yes ❑ no

If "no" is the answer to the above question, please go to Question 5.10.

5.5 Length of Gauge Record (years)	
5.6 Gauge Height corresponding to zero flow conditions (m)	
5.7 Gauge Height at which water flows over the river banks (m)	

5.8 Max Recorded Gauge Height (m)	
5.9 Date corresponding to Max Recorded Gauge Height	

Flood Mapping	
5.10 Are the flood limits for the largest known flood available in map form?	❑ yes ❑ no
5.11 Historical Flood Mapping Method	❑ none ❑ paper plans ❑ GIS ❑ Aerial Photographs ❑ Satellite Imagery

6 *Flood Studies*

6.1 Has a hydrologic/hydraulic flood study been carried out for this community?	❑ yes ❑ no

If "no" is the answer to the above question, please go to Question 7.

6.2 Floods Studied	❑ 1 in 2 yr event ❑ 1 in 5 yr event ❑ 1 in 10 yr event ❑ 1 in 20 yr event ❑ 1 in 50 yr event ❑ 1 in 100 yr event ❑ other (please specify) .....

Probable Max Flood Event

6.3 Has the Probable Max Flood Discharge been estimated?	❑ yes	❑ no
6.4 Has the Probable Max Flood Event been mapped?	❑ yes	❑ no

Designated Flood Event

6.5 Adopted Designated Flood Event	❑ no designated event ❑ 1 in 20 yr event ❑ 1 in 50 yr event ❑ 1 in 100 yr event ❑ other (please specify) .....

Designated Flood Mapping

6.6 Have the designated flood limits been mapped?	❑ yes	❑ no

6.7 Designated Flood Mapping Method	❑ none ❑ paper plans ❑ GIS ❑ Aerial Photographs ❑ Satellite Imagery

Total Number of buildings flooded by the Adopted Designated Event (Please estimate from the best data available)	
6.8 Residential	
6.9 Commercial	
6.10 Industrial	
6.11 Caravans & Mobile Homes	

Further Studies		
6.12 Has a Damage Study been carried out?	❑ yes	❑ no
6.13 Have Floodplain Management options been developed?	❑ yes	❑ no

7 *Flooding Policy*

7.1 Has a flooding policy been developed for this community?	❑ yes	❑ no

If "no" is the answer to the above question, please go to Question 8.

7.2 Hydraulic basis for flooding policy	❑ historical data ❑ adopted designated flood event ❑ other (please specify) .....
7.3 Is the Designated Flood for residential buildings the same as the Designated Flood for commercial buildings?	❑ yes ❑ no
7.4 If the answer to question 7.3 is 'no', please explain policy decision	

7.5 Difference between allowable floor levels and designated flood levels (m)	
7.6 Allowable filling requirements	❑ adhoc individual approvals ❑ filling policy determined on the basis of hydraulic studies ❑ individual approvals based on developer demonstrating impacts ❑ other (please specify) .....

7.7 Legislative mechanisms used	❑ Local Government Act ❑ Local Government (Planning & Environmnet) Act ❑ Water Resources Act ❑ River Improvement Trust Act ❑ other (please specify) .....

8 *Flood Mitigation Measures*

Flood Mitigation Measures used to reduce effect of flooding on community	
8.1 Structural	❑ Levees ❑ Flood Control Dams ❑ Retention Basins ❑ Flood Proofing of Buildings ❑ other (please specify) .....
8.2 Non-structural	❑ Building Controls ❑ Land Use Controls ❑ Flood Warning system ❑ other (please specify) .....

8.3 Funding for Flood Studies	❑ Commonwealth Government ❑ State Government ❑ Local Government ❑ other (please specify) .....
8.4 Funding for Structural Works	❑ Commonwealth Government ❑ State Government ❑ Local Government ❑ other (please specify) .....

9 *Current Level of Flooding Awareness*

9.1 Is the community aware it is located on a floodplain?	❑ yes	❑ no
9.2 Is the community aware it can be flooded?	❑ yes	❑ no
9.3 Are past flood levels indicated locally (eg flood markers)?	❑ yes	❑ no
9.4 Are public education/awareness programs or activities conducted?	❑ yes	❑ no
9.5 Is the community aware of counter disaster arrangements?	❑ yes	❑ no

Last Flood causing Flooding of Buildings	
9.6 Date of the last flood	
9.7 Max Height at the Town Gauge, if available (m)	
9.8 Estimated Average Recurrence Interval, if available	

10 *Flood Warning System*

10.1 Flood Warning supplied by the Bureau of Meteorology	❑ None ❑ Qualitative information (ie min/moderate/major flooding) ❑ Predicted heights at given locations ❑ other (please specify) .....
10.2 What use is made of the information supplied by the Bureau of Meteorology?	❑ None ❑ information relayed to the community unaltered ❑ information is interpreted and translated into predictions in particular areas ❑ other (please specify) .....

10.3 Does your Local Government maintain a local Flood Warning System for this Town/Community	❑ yes ❑ no
10.4 If the answer to Question 10.3 is 'yes', how is the flood information relayed to the affected community? **(tick more than one box, if appropriate)**	❑ door-knocking ❑ radio ❑ television ❑ loudspeakers ❑ other (please specify) .....

11 *Counter Disaster (Flood) Plan*

11.1 Does an Counter Disaster (Flood) Plan for this community exist?	❑ yes ❑ no

If "no" is the answer to the above question, you need not answer any further questions.

11.2 Is the Counter Disaster (Flood) Plan linked to any flood warning procedures?	❑ yes ❑ no
11.3 Was the Counter Disaster (Flood) Plan activated during the last major flood event?	❑ yes ❑ no
11.4 Was the Counter Disaster (Flood) Plan effective when last activated?	❑ yes ❑ no
11.5 Was the Counter Disaster (Flood) Plan reviewed after the last major flood event?	❑ yes ❑ no

11.6 Does the Counter Disaster (Flood) Plan use or contain information from flood studies?	❑ yes ❑ no

Definitions

Town/Community to be included in this study	Town/Community where the number of buildings at risk of flooding during the largest recorded event or during the estimated 1 in 100yr event is greater than 10
Flood	overbank mainstream flooding
Storm Tide	total water level caused by storm surge adding to the height of the astronomical tide
Residential	residences plus, where possible, number of dwelling units in blocks of flats
Commercial	retail outlets, service stations etc
Industrial	any large enterprise eg milk factory, port installation, extensive rail yards etc
Lifelines	roads rail links airport water supply sewerage facilities electricity supply
Flood warning time	time between the commencement of rain and the initial urban flooding
Designated flood event	flood event selected for planning purposes
Probable Maximum Flood	the largest flood that could conceiably occur at a particular location
Damage Study	study of damage costs associated with particular statistical flood events
Floodplain Management Plan	plan which details strategies for minimising flood damage on the floodplain based on economic, social and environmental factors
Flood Proofing	a combination of measures incorporated in the design, construction and alteration of individual buildings or structures subject to flooding, to reduce or eliminate flood damages
Average	the long-term average number of years between the occurrence of a

Recurrence Interval	flood as big or larger than a given eflood event
Counter Disaster Plan	plan prepared by Local Government, in accordance with Part 4 of the State Counter Disaster Organisation Act

Appendix 3

The Significance of Probable Maximum Flood Case Studies from New South Wales

Areas for which detailed residential (and other) damage estimates have been prepared are for the Hawkesbury-Nepean river system to the west of Sydney (Penrith to Windsor), Queanbeyan and Canberra and with less detail for several flood prone catchments in Sydney. With the exception of Sydney, these studies were undertaken in order to provide estimates of damage from dam failure but to undertake this work it was necessary to consider the worst possible case for river flooding, i.e. to the level of the PMF. The results presented below refer entirely to river flooding not to damage from potential dam failure. Much of the detail is reported in consultant reports to Sydney Water although a summary is given in Smith (1991). The third study was for the Georges River, Prospect Creek and the Upper Parramatta catchments in Sydney, this was reported in Smith et al. (1990). In this case the numbers of buildings were estimated from air photos in contrast to the dam failure studies which used databases from detailed field surveys of all buildings at risk.

Table A3.1 Numbers of residential buildings with overfloor flooding and failure from extreme floods for a selection of sites in New South Wales

	Total Urban	Rural*
(a) Hawkesbury-Nepean region		
1 in 100 year	1762 (67)	415 (237)
1867 floor	5411 (733)	555 (380)
1 in 1,000 year	10,602 (5090)	915 (563)
PMF	11,594 (7162)	915 (625)
(b) Queanbeyan (data collected 1987)		
1 in 10 year	3 (0)	
1 in 100 year	448 (N/A)	
1 in 2,000 year	1360 (992)	
PMF	1953 (1422)	
(c) Prospect Creek and Georges River (Data collected 1986. No information on building failure)		
1 in 20 year	1422 (N/A)	
1 in 100 year	2807 (N/A)	
PMF	5381 (N/A)	
(d) Canberra		
1 in 100 year	0	
1 in 2,000 year	76(1)	
PMF	750 (135)	

* Based on reconnaissance survey only.

Numbers in brackets indicate building failure, data collected early 1989.

The increases in the numbers of properties at risk from extreme floods in the study area is given in Table A3.1. the numbers at the level of the PMF are 4 to 6.5 times greater than for the 1 in 100 year event. In general terms the increases are related to the increases in stage between the 1 in 100 year and PMF. The best information on these stage increases is presented in Table A3.2. For instance, the increase of over 4.35m at Queanbeyan changes the number of residential buildings at risk from 448 to 1953. Table 3.7b lists a selection of sites in Queensland for which the flood range, in this case from the 1 in 20 to 1 in 100 year flood events, is known to be large.

Table A3.2 Increases in flood height from the 1 in 100 year flood to the PMF for a selection of sites in New South Wales

Hawkesbury-Nepean (at Windsor)	10.0+m
Queanbeyan	4.35 m
Prospect Creek and Georges River	4.0 m

Appendix 4

Flood Studies for the Brisbane Creeks

Brisbane

Flood mitigation schemes in Brisbane – an overview. BCC. 1989.

Bulimba Creek

Bulimba Creek flood study. BCC. 1992.

Cabbage Tree Creek

Flood mitigation study. Kinhill, Cameron, McNamara. 1991.

Cubbera Creek

Cubbera Creek flood study. BCC. 1996.

Enoggera Creek/Breakfast Creek

Reidel and Byrne. 1986.

Macdonald Wagner. 1988.

Gold Creek

Dam safety review. SMEC. 1993.

Kedron Brook

Kedron Brook flood study. Connell Wagner. 1995.

Moggill Creek (including Gold and Gap creeks).

Moggill Creek flood study. Sinclair, Knight, Merz. 1994.

Norman Creek

Norman Creek flood mitigation report. BCC. 1987.

Norman Creek flood study. Connell Wagner. 1995.

Oxley Creek

Oxley Creek and Stable Swamp Creek. BCC. 1981.

Oxley Creek system – flood mitigation report. BCC. 1984.

Sandy Creek

Sandy Creek flood study report. BCC. 1997.

Wolston Creek

Wolston Creek flood study. BCC. 1996.

Appendix 5

Effective Flood Warning Times for Flood Prone Queensland Locations

These data were provided by the Brisbane Office of the Bureau of Meteorology, in April 1997, as a specific contribution to the report into urban flooding in Queensland.

Effective warning time is classified into three categories:

A is less than 12 hours

B is 12-24 hours

C is greater than 24 hours

Effective warning time is an estimate of the river height prediction lead time currently available and is limited by climatological factor and/or flood monitoring networks and prediction tools.

The appendix also contains other information from the Bureau's data base, for example estimates of the number of flood prone properties, presence of flood gauges, key flood heights, the nature of the flood warning system etc. In some cases these are not identical to those given elsewhere in this report. The Bureau's data base is the most comprehensive available account of flood-related information for Queensland but it is stressed that some of the information is not necessarily precise. The Bureau would be pleased to receive additions or modifications to the information given.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-6"

Australian Government
Attorney-General's Department

Flood Warning

MANUAL 21

AUSTRALIAN EMERGENCY MANUALS SERIES

Flood Warning

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Australian Emergency Manual Series

The first publication in the original Australian Emergency Manual (AEM) Series of mainly skills reference manuals was produced in 1989. In August 1996, on advice from the National Emergency Management Principles and Practice Advisory Group the AEM Series was expanded to include a more comprehensive range of emergency management principles and practice reference publications.

The AEM Series has been developed to assist in the management and delivery of support services in a disaster context. It comprises principles, strategies and actions compiled by practitioners with management and service delivery experience in a range of disaster events.

The series has been developed by a national consultative committee representing a range of State and Territory agencies involved in the delivery of support services and is sponsored by the Commonwealth Attorney-General's Department.

Details of the AEM Series are available on at www.ema.gov.au

Australian Emergency Manual Series structure and content

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Manual 2 Australian Emergency Management Arrangements
Manual 3 Australian Emergency Management Glossary
Manual 4 Australian Emergency Management Terms Thesaurus
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Manual 27 Disaster Loss Assessment Guidelines
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Manual 1 Emergency Management Concepts and Principles
Manual 23 Emergency Management Planning for Floods Affected by Dams
Manual 5 Emergency Risk Management—Applications Guide
Manual 43 Emergency Planning
Manual 11 Evacuation Planning
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Manual 22 Flood Response
Manual 21 Flood Warning
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Manual 26 Guidelines for Psychological Services: Mental Health Practitioners Guide
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Manual 13 Health Aspects of Chemical, Biological and Radiological Hazards
Manual 6 Implementing Emergency Risk Management—A facilitators guide to working with committees and communities
Manual 42 Managing Exercises
Manual 19 Managing the Floodplain
Manual 17 Multi-Agency Incident Management
Manual 31 Operations Centre Management
Manual 7 Planning Safer Communities—Land Use Planning for Natural Hazards
Manual 14 Post Disaster Survey and Assessment
Manual 10 Recovery
Manual 24 Reducing the Community Impact of Landslides
Manual 12 Safe and Healthy Mass Gatherings
Manual 41 Small Group Training Management
Manual 16 Urban Search and Rescue—Capability Guidelines for Structural Collapse

Skills for emergency services personnel manuals

Manual 38 Communications
Manual 39 Flood Rescue Boat Operation
Manual 37 Four Wheel Drive Vehicle Operation
Manual 35 General and Disaster Rescue
Manual 33 Land Search Operations (refer to website http://natsar.amsa.gov.au/Manuals/index.asp.)
Manual 32 Leadership
Manual 36 Map Reading and Navigation
Manual 34 Road Accident Rescue
Manual 30 Storm and Water Damage Operations
Manual 40 Vertical Rescue

Contents

Foreword

This Guide is the result of a review of the second edition of the Australian Emergency Manual **Flood Warning**, which was produced in 1998-99 to extend and update the original manual on the topic (1995). The earlier editions were put together by teams of experienced flood response managers and flood warning specialists from around Australia. The review which produced the current edition was conducted by Allison Godber (Queensland Department of Community Safety) and Chas Keys (formerly of the New South Wales State Emergency Service), with input from Dale Russell (Queensland Department of Community Safety), Belinda Davies (New South Wales State Emergency Service), Andrew Gissing (Victoria State Emergency Service), Bob Stevenson (South Australia State Emergency Service), Andrew Lea (Tasmania State Emergency Service), Jim Elliott, Chris Wright, Linton Johnston, Peter Baddiley, Gordon McKay and Soori Sooriyakumaran (Australian Government Bureau of Meteorology), Lakshman Rajaratnam (Northern Territory Department of Natural Resources, Environment, the Arts and Sports), Mike Edwards (Victoria Department of Sustainability and Environment), Michael Cawood (Michael Cawood & Associates), John Handmer (RMIT University) and Michael Clarke (formerly of the New South Wales Department of Public Works). All these people have considerable experience and expertise in developing flood warning systems and/or delivering flood warning services.

The Guide is one of a series of documents on flood management whose review was instigated and managed by the National Flood Risk Advisory Group, a sub-group of the Australian Emergency Management Committee. The project was coordinated by Major General Hori Howard of the Australian Council of State Emergency Services and made possible by the financial contributions of the Commonwealth Attorney-General's Department and the Australasian Fire and Emergency Service Authorities Council.

The Guide is designed for use by all those who have roles to play in developing and operating flood warning systems and providing flood warning services. Among these people are flood forecasters, emergency management practitioners (including staff and volunteers in the State/Territory Emergency Service organisations which in most jurisdictions in Australia have a lead role in the management of floods), personnel employed by local councils and by various government departments, and members of flood-prone communities.

Like the other flood management documents in the series (**Managing the Floodplain, Flood Preparedness, Flood Response and Flood Emergency Planning for Dams Affected by Floods**), the Guide focuses on defining 'best practice' in flood warning as this is presently understood in Australia. In doing so it promotes a consultative, community-incorporating approach to the definition of flood warning issues, problems and solutions. The Guide does not seek to describe or define current flood warning practices, which may vary considerably between jurisdictions. Users will find it valuable to refer to the companion documents, especially **Flood Preparedness**, and to other documents in the Australian Emergency Manuals series.

Every attempt has been made to use neutral terminology. As a result the Guide does not use the specific terminology (for example in relation to officers, programs and management structures) or refer to the particular arrangements for flood management in the various states and territories.

Martin Studdert, AM
First Assistant Secretary
National Security Capability Development Division
Attorney-General's Department

CHAPTER 1

The Place and Purpose of Flood Warning

In a Nutshell…

The purpose of a flood warning is to provide advice on impending flooding so people can take action to minimise its negative impacts. This will involve some people taking action on their own behalf and others doing so as part of agency responsibilities.

Flood warnings can be said to be effective if they help agencies to carry out their roles during flood events and persuade community members to take actions which will lessen undesirable flood impacts.

This guide is designed to provide agencies responsible for developing and communicating flood warnings with a practical, step-by-step path through the development and operation of the total flood warning system. Thus it covers the prediction of flood levels and the likely impacts of a coming flood, the construction and dissemination of warning messages and means of reviewing the system's effectiveness following a flood event.

Introduction

Every year, despite the beneficial environmental impacts they create, floods impose substantial economic, social and environmental costs on Australian communities through:

- direct damage to residential, commercial, educational, recreational, cultural and industrial buildings,
- damage to infrastructure,
- damage to stock, equipment and facilities (for example farm animals, machinery, commercial stock and records and other contents of buildings),
- indirect losses due to disruption of economic activity, both in areas which are inundated and areas which are isolated,
- stress and anxiety in those affected by flooding,
- injury and death,
- polluted water supplies, and
- damage to wildlife habitats.

In terms of economic costs to the community, flooding is Australia's most damaging natural hazard. The Bureau of Transport Economics (2001, p35) estimated the costs of flooding in Australia between 1967 and 1999 at approximately $420 million per annum on average (in 2009 terms). Other sources put the average annual damage at rather higher levels when estimates are expressed in current dollar terms (see, for example, Standing Committee on Agriculture and Resource Management, 2000, p xi).

In most years, a small number of deaths occur as a consequence of flooding in Australia and there have been many cases of multiple deaths in a single flood episode. Between 1788 and 1996 at least 2213 people were killed by floods in Australia. Particularly lethal floods occurred in Gundagai (New South Wales) in 1852 (89 deaths), in the Claremont area in Queensland in 1916 (65 deaths) and in Brisbane and Ipswich in 1893 (47 deaths), but several other locations or regions have recorded more than 20 deaths in a single episode of flooding (Coates, 1996).

Large numbers of people in Australia live in flood-prone areas. Approximately 170,000 residential properties are susceptible to flooding in the 100-year (Average Recurrence Interval) flood (Leigh and Gissing, 2006). The number of commercial and industrial properties liable to flooding within the extent of the 100-year flood is not accurately known but would likely be measured in the tens of thousands, and the value of the agricultural, industrial, commercial, residential and public assets that are at risk is very large as is the cost of repairing or replacing infrastructure damaged or destroyed by flooding.

Of course, many more properties, sources of productive activity and critical items of infrastructure would be affected by floods bigger than the 100-year flood. It is likely that the total value of the assets at risk in Australia in Probable Maximum Flood (PMF) events – the biggest floods possible – considerably exceeds $100 billion.

The 'Manageability' of Flooding

Flooding is a highly manageable hazard where the flood risk can be defined and appropriate emergency preparedness and mitigation strategies developed. Floods happen often in Australia and, in some areas, according to a regular seasonal rhythm. Their location is predictable and there is usually some warning of their occurrence. Much can be known about flooding and its consequences in advance; thus it is possible to determine who will be affected and what problems they will face. Because of this, the opportunity exists to work out ahead of time (ie to plan) how a flood can best be managed in the interests of maximising public safety and minimising property and other damage. This allows the investment of money and effort in the management of flooding.

To reduce the negative impacts of flooding, many measures have been devised to help communities adjust to and live with the flood hazard. These measures have included:

- constructing levees, flood bypasses, channel improvements, detention basins and flood mitigation dams,
- instituting land use controls (such as zoning and the removal of existing buildings) and building restrictions (such as establishing minimum floor levels and raising buildings) in relation to development on flood-prone land,

- developing warning systems,
- developing response and recovery capabilities, and
- encouraging community understanding of both the flood threat and the means by which people can manage it.

While these measures rarely remove the flood risk entirely, they can modify the characteristics of flooding, alter communities in ways that reduce the impact of floodwaters and provide mechanisms that enable communities to cope better with flooding. For more detail on these measures, see Annex B of the Australian Emergency Manual **Managing the Floodplain**.

Flood warning systems and services are integral to the achievement of high-quality community flood response. The development of flood warning services requires information, knowledge sharing and effective communication. Well developed flood warning services that are understood and acted upon by the communities for which they are provided can contribute significantly to saving lives and protecting property. They should be regarded as central to the management of flooding.

The Value of Flood Warnings

Flood warnings are effective if they enable people to take action to lessen the negative impacts of a coming flood and help agencies carry out their essential tasks during flood events. The degree of effectiveness of warnings can be assessed by the extent to which the warnings reached the at-risk community, the level of recipient satisfaction with the information and advice contained in them, the degree to which appropriate behavioural adjustments are made and the amount of losses avoided by those who are advised.

Achieving effectiveness will depend on the cooperative involvement of stakeholders involved in warning system development. The stakeholders include the agencies which are responsible for the design and delivery of warning services, but they must also be seen as including the members of flood-prone communities.

In Australia, there have been many examples of communities being excluded from the planning of flood warning services and of flood warnings not reaching their potential. Often people have not understood the significance of the warnings they have received, have not known how to react or have simply not been given any clear indication of the severity of impending flooding: these things were noted more than 20 years ago (Handmer 1988) and still apply. There is considerable evidence that many people in flood-prone areas do not comprehend or trust the warning services that exist, and these things contribute to their lack of response to warning messages.

On the other hand, there is evidence that some elements of flood warning practice have improved over the past two decades or more. Current systems often provide more warning time than was formerly the case, and forecast accuracy has improved in relation to flood heights reached (see Figure 1). There is less evidence of improvement in the development and dissemination of flood warning messages over this period.

A critique of current flood warning practice in Australia is offered by Keys and Cawood (2009); often the warning task is poorly conceptualised, given a low priority and rendered poorly. This Guide describes ways in which the weaknesses can be overcome so the potential of flood warnings can be realised.

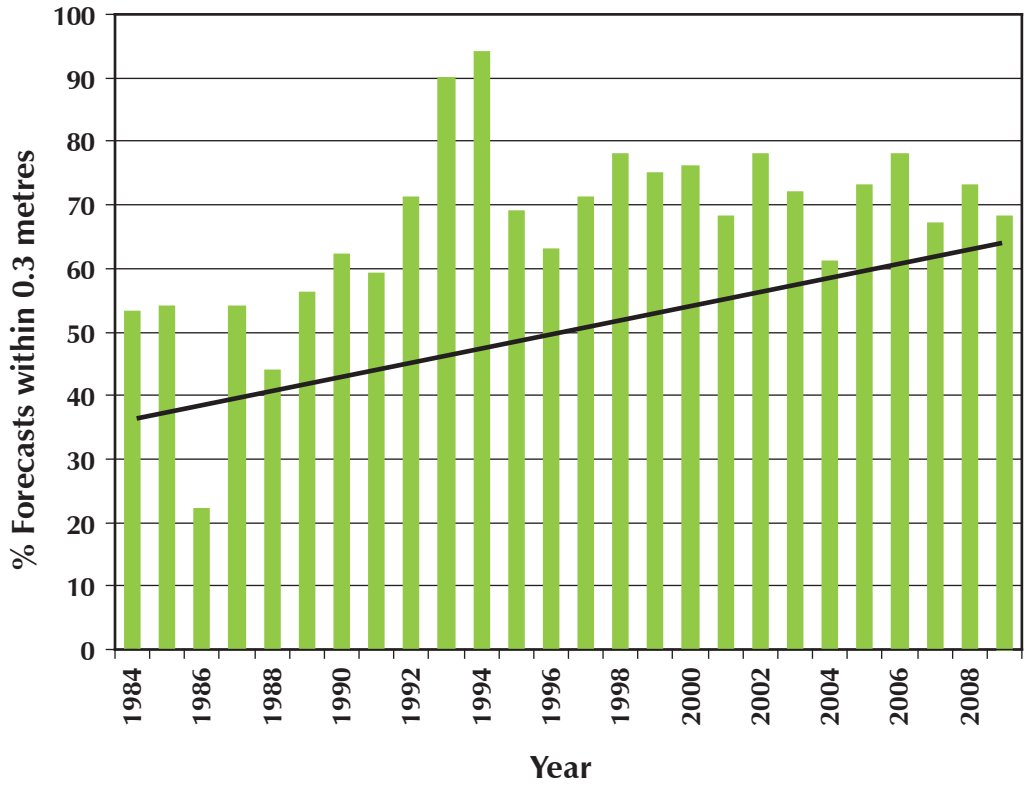

Figure 1: The Trend of Flood-Height Forecast Accuracy in New South Wales, 1984-2009 (Source: Australian Government Bureau of Meteorology)

CHAPTER 2

The Total Flood Warning System

In a Nutshell…

The goal of flood warning is to help flood management agencies and the members of flood-prone communities to understand the nature of developing floods so that they can take action to mitigate their effects. To achieve this goal, flood warning systems must be established and operated.

A flood warning system is made up of a number of components which must be integrated if the system is to operate effectively. The components of a 'total flood warning system' are:

- ***monitoring of rainfall and river flows that may lead to flooding,***
- ***prediction of flood severity and the time of onset of particular levels of flooding,***
- ***interpretation of the prediction to determine the likely flood impacts on the community,***
- ***construction of warning messages describing what is happening and will happen, the expected impact and what actions should be taken,***
- ***dissemination of warning messages,***
- ***response to the warnings by the agencies involved and community members, and***
- ***review of the warning system after flood events.***

The critical issues in developing and maintaining such a system are:

- ***it must recognise and satisfy the warning needs of the flood-liable community by ensuring the community is involved in system design and development,***
- ***it must incorporate all relevant organisations and be integrated with floodplain and emergency management arrangements,***
- ***it must be capable of operating for both 'routine' and severe flood events, and***
- ***each agency involved in the system must accept ownership of it and work cooperatively with other agencies to improve its operation.***

Introduction

In Australia, the concept of the 'total flood warning system' has been developed to describe the full range of elements that must be developed if flood warning services are to be provided effectively. This concept is illustrated in Figure 2. It recognises that flood warning systems are multi-faceted in nature and that their development and functioning involves input from a number of agencies with specialised roles to play. It is vital that the agencies involved in the establishment and operation of the various components accept that there must be close cooperation through all stages of developing and

operating the system. It is also vital that in the design and planning of the system, and in the periodic reviews of system performance, there is community input.

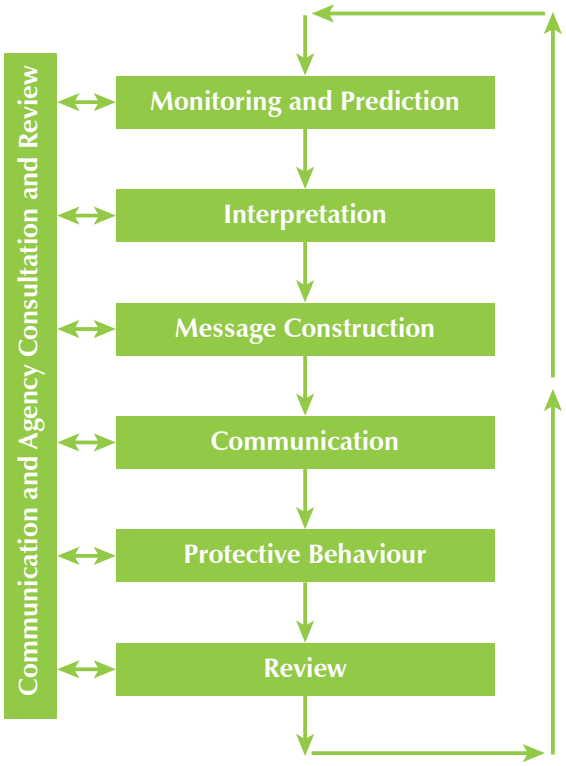

Figure 2: The Components of the Total Flood Warning System

The components of the total flood warning system are interdependent and linked. To be fully effective, all components must be present and operating appropriately. In addition, the system must include an inbuilt feedback loop that integrates the lessons learned from episodes of flooding back into the system. This will enable weaknesses to be identified and improvements made. Reviewing the performance of the system (including the responses by agencies and the community) is a vital component of the system.

System Components

At its simplest, an effective flood warning system can be defined as having six components:

- **Monitoring and prediction:** detecting environmental conditions that lead to flooding, and predicting river levels during the flood (see Chapter 3),
- **Interpretation:** identifying in advance the impacts of the predicted flood levels on communities at risk (see Chapter 4),

- **Message construction:** devising the content of the message which will warn people of impending flooding (see Chapter 5),
- **Communication:** disseminating warning information in a timely fashion to people and organisations likely to be affected by the flood (see Chapter 6),
- **Protective behaviour:** generating appropriate and timely actions and behaviours from the agencies involved and from the threatened community, and
- **Review:** examining the various aspects of the system with a view to improving its performance (see Chapter 7).

For a flood warning system to work effectively, **these components must all be present and they must be integrated rather than operating in isolation from each other**. The view that any one component of the system represents all of it, or is an end in itself, impairs the system's effectiveness. Currently in Australia, as is the case in most countries with serious flooding problems, the various components are developed to different degrees and one or more components may be virtually absent in some situations. As a general rule the components which are more easily definable and controlled (such as the prediction components) tend to be better developed than others (Handmer, 1997). Message construction and communication are usually less well developed.

The Flood Warning Consultative Committees in the various states (and their equivalent in the Northern Territory) have a vital role in overseeing the development of flood warning systems and services. Because they incorporate or can gain access to the agencies involved in the development of the various facets of the system in each jurisdiction, and because the various committees can communicate with each other through the Bureau of Meteorology, they are in a good position to ensure that system elements are well integrated and are operating to current notions of good practice.

System Design

In developing an effective flood warning system, the following points need to be addressed.

- The system must meet the needs of its clients in terms of identifying:
    - levels of flooding for which warnings are required (including the level at which flooding begins and critical levels such as levee heights),
    - what the impacts of flooding will be at different levels,
    - the warning time(s) the community requires and the amounts of time which can be provided,
    - appropriate subject matter content for warning messages,

  - the ways in which warning messages are to be disseminated, and
  - the frequency of warning updates.
- The system must be part of the emergency management arrangements established by the relevant State or Territory as defined in disaster or emergency management plans. Warning arrangements must be detailed in all plans relating specifically to flooding and should indicate the conditions under which warnings will be issued and the organisations or officers who will issue the warnings.
- The agencies concerned with prediction, interpretation, dissemination and response (including local government) must all be involved in system development and review, as must the community itself.
- The roles of the various agencies must be clearly identified for each element of the system.
- The flood warning system must be incorporated within the wider floodplain management perspective, with recognition that the inter-relationship between flood warning and other floodplain management measures needs to be planned for.
- The organisation, resourcing, public education, training and exercising necessary to ensure the system operates effectively must be carried out.

Critical Issues for Building Flood Warning Systems

Effective Consultation at the Design Stage

To ensure the **relevance** of flood warning systems and to encourage **local ownership** of them, community members should be involved in developing the warning systems which will generate the warnings. Agency personnel involved in system design must therefore listen to those at risk.

Flood warning systems and services are therefore best developed with the **input** of those who are affected by floods. Personnel in the agencies responsible for warning about flooding should meet with members of the community and establish their needs. These will relate to:

- the levels of flooding (usually at a specified gauge) for which warning will be needed,
- the consequences of flooding at different flood heights in areas around the gauge (ie in the gauge reference area),
- the amounts of warning time which will be required to take the required protective action, evacuation and other tasks which people may need to undertake for floods of specified severities,
- the ways in which warnings should be provided, and

- other matters related to the various components of the system.

Consultation should be with individuals or groups of people from flood-prone areas. Such people can be assembled, if necessary, by advertising in local newspapers but also by direct invitations to those known to have been affected by flooding in the past. Usually, council staff or SES members can identify such people. If flood warning services already exist, similar consultative mechanisms can be set up after a flood to check on the effectiveness of those services in the eyes of the people they are intended to help and to redesign them if necessary.

Ideally, the consultation should be locally driven. Where possible, a local 'champion' should convene meetings and be a point of contact for people to discuss flood warning issues. This person should have local flood experience and should be well regarded within the local community.

This approach will give the design of warning systems and procedures an appropriate focus and help ensure their relevance to the communities for which they are designed. The following steps are some practical guidelines.

- Identify potential clients of flood warning information at different levels of flooding, and their information needs. The clients may be farmers, caravan park proprietors, river-boat operators, gravel-extracting firms, mining companies, village, town or suburban residents, Aboriginal communities, operators of industrial or retail premises and many others. In some circumstances they may include people living below dams which have been classed as structurally deficient or as having inadequate spillway capacity to safely 'pass' big floods. Such dams are at some risk of failure.
- Determine what is known about the impact of flooding at different levels as measured at flood warning river height gauges (existing or proposed).
- Identify what responses will be required of people in the path of flooding.
- Determine the amount of time which will be needed to carry these responses out. Estimating time requirements is critical to ensuring warning services can be planned so necessary actions can be completed before onset of flooding renders the tasks impossible to complete.
- Develop appropriate means of disseminating warnings to different clients and at different flood levels.

Ongoing Planning and Maintenance

Several agencies need to be involved in planning, establishing and maintaining flood warning systems. These are time-consuming tasks, and they often require a greater and more continuous effort than do operational responses to floods. The establishment of a flood warning system requires both:

- the commitment of funds and resources to developing the various components of the system, and

- a willingness to maintain the investment in these components, even when flooding is not frequent or regular.

Fortunately, not every component is technically difficult and costly to devise. In fact several elements can be set up inexpensively because they involve defining arrangements and tasks rather than investment in hardware. Many of the problems associated with operating flood warning systems relate to the **lack** of such definition.

The agencies involved in flood warning activities (see Table 1 for a summary of agencies involved in the various states and territories and their responsibilities) must be made ready for the task. Agency personnel must be familiar with the impact of warning processes on carrying out their allotted tasks, and both intra-agency and inter-agency planning is essential.

Table 1: Summary of Current Organisational Responsibilities for Flood Warning in Australia

	Prediction	Interpretation	Dissemination	Response
Tas	BoM	LG/SES	BoM/SES	SES/LG/Police
SA	BoM	SES/Police	BoM/SES/Police	SES
WA	BoM	LG/FESA	BoM/Main Roads (road closures)	FESA/LG
NT	NRETAS/ BoM	NTES/Police	BoM/NTES/Police/DPI (road closures)	Police/NTES
NSW	BoM	SES	BoM/SES	SES
Qld	BoM	DCS/LG	BoM/DCS/LG	DCS/Police/LG
ACT	BoM	ACTES/Police	BoM/ACTES	ACTES/Police
Vic	BoM/MW	SES/LG/CMA	BoM/SES/LG MW	SES/LG/Police

Abbreviations:

BoM	Bureau of Meteorology
LG	Local Government
DCS	Department of Community Safety
S/TES	State/Territory Emergency Service
NRETAS	Northern Territory Department of Natural Resources, Environment, the Arts and Sports
CMA	Catchment Management Authority
MW	Melbourne Water
FESA	Fire and Emergency Services Authority

Flood Warning Consultative Committees should consider the **accountability** of the various agencies involved in flood warning system design, development and operation. Because there is no single lead agency, and because some organisations and individuals operate outside government while others function at different governmental levels, this will not be an easy matter to address. The Flood Warning Consultative Committees could, nevertheless, develop appropriate protocols (perhaps through memoranda of understanding) to encourage agency participation in and commitment to system development and operation. Responsibilities could be defined in writing and performance indicators designed to help assess the degree to which agencies meet those responsibilities. In doing this, it may be necessary to recognise that not all agencies in all locations will have the resource capabilities needed to fulfill their responsibilities, and this may need to be addressed at the state/territory or national level.

While planning for warning activities cannot address unpredictable circumstances, plans must be sufficiently flexible to allow for rapid adjustment to new situations. They must be regularly 'exercised' on a multi-agency basis in ways which will provide opportunities for examining the implications of different levels of flooding. Such exercises provide practice in receiving predictions, interpreting them and generating appropriate reactions. They also allow for periodic reassessment of the amount of time needed after a warning is received to carry out specified tasks. This reassessment can be used in renegotiating warning lead times.

Continued Community Engagement

The members of flood-prone communities must be **made ready for flood warnings** as well as for floods themselves. Periodic interaction with the community is also needed to ensure that people recognise, and continue to recognise, the purpose and meaning of flood warnings and understand how to react to them. In other words, a conscious effort must be made to educate people about flood warning services and how to 'utilise' warning messages. Community flood education programs to date have often failed to address the question of educating people about warnings.

There are numerous means by which communities can be educated about these matters. One method, in areas which are frequently affected by flooding, is to provide flood information (cards, brochures, booklets and DVDs) by periodic doorknocking campaigns conducted out of flood time. Such campaigns might include, in places such as caravan parks, persuading park owners and managers to display relevant safety information, to develop response plans which will help residents and visitors save belongings and, if necessary, to evacuate safely. In some states, evacuation plans and displays of safety information are conditions of license for caravan parks. Visits by response agency personnel to shop and factory owners in flood-liable areas can act as reminders of the existence of flood problems or as prompts to effective reactions once warnings are received.

Once some community members are involved, system credibility will rise as information about the system flows through informal communication networks to the remainder of the flood-liable community. This will also help ensure the system can be kept 'alive' in people's minds during the periods between floods. Continuing education will still be needed however, so that high levels of community readiness can be maintained.

It is important that a mix of strategies be employed. Additional means of raising community understanding of flood threats and the availability and value of flood warnings might include the following.

- Flood markers (as stand-alone structures or on telephone poles, buildings or bridges adjacent to key gauges) to indicate the levels reached by historic floods. The markings should incorporate a range of actual floods of different severities that have been experienced at that location: these will help people visualise the spread of floodwaters in events forecast to reach specified heights at gauges.
- Articles in local newspapers, highlighting such things as the gauge levels at which flood warning services are activated and the sorts of impacts which occur at specified flood levels at the gauges,
- Interviews of response agency personnel on radio (including talkback shows),
- Use of council rates notices to carry reminder messages about flood impacts, flood warnings and safety information,
- 'Advertisements' on radio to promote understanding of the existence of a combat or lead agency for flooding and to publicise the actions which people should take before and after floods and for different predicted heights during floods,
- Provision of flood action guides, brochures, booklets and flood plans to schools and libraries and to individual members of the flood-liable community. These should be customised for defined areas, containing locally-specific information about the entry level for warning services and the expected consequences of flooding to different gauge heights,
- Meetings with people living or working in flood-liable areas, to explain or negotiate elements of the flood warning system,
- Static displays in public buildings about flooding and its impacts (including maps showing the extent of flooding in events of different severity), and
- Periodic public tests of the flood warning system.

Further information on community engagement in flood management can be found in Chapter 6 of the Australian Emergency Manual **Flood Preparedness**.

Handling Extreme Events

An important element of planning the development of flood warning systems is to ensure they are sufficiently robust to cope with the range of events which can occur. Flooding is a phenomenon which is subject to wide natural variability in scale and severity. Events of magnitudes well outside the range of historical experience can and do occur, and it is important that systems are able to cope with floods approaching extreme proportions.

Flood warning systems must, therefore, be designed to predict and cater for rare, severe events as well as less serious and more common ones. However, inherent uncertainties in prediction are likely to be magnified during extreme events and warning systems must recognise such limitations of science and technology. Communities at risk and agencies involved in flood response activities must recognise the potential for flooding which is worse than they have experienced in the past. Such flooding will obviously do much more damage and is also more likely to result in deaths.

It should be noted that rainfall intensity and flood height records are frequently broken in Australia. For example in 2007, a year of drought across much of the country, record rainfalls and/or flood heights were set in the first nine months of the year in separate locations in every state and territory except Western Australia and the Northern Territory (Molino, 2007). Sometimes, when flood records are broken, the new records are **much** higher than the previous ones. This was the case at:

- Launceston (in the Tamar Valley, Tasmania) in 1929,
- Port Fairy (on the Moyne River, south-west Victoria) in 1946,
- Singleton and Maitland (in the Hunter Valley, New South Wales) in 1955,
- Nyngan (on the Bogan River, New South Wales) in 1990,
- Charleville (on the Warrego River, Queensland) in 1990, and
- Katherine (on the Katherine River, Northern Territory) in 1998.

Moreover there is increasing evidence in the paleo (pre-historic) record of very big floods, in some cases much larger than have been recorded since the beginning of European settlement in Australia (Isdale et al, 1998, Snowball et al, 2006). Occasional very big floods, larger than have been seen in recent times, should be expected in all flood-liable areas.

CHAPTER 3

Flood Prediction

In a Nutshell…

Flood predictions are estimations of the height of water in a river or other flooded area at a specific place at some future specified time. They may be expressed for a location (usually a gauge) as:

- ***a precise value (eg 12.3 metres),***
- ***a range (eg between 12.0 and 12.5 metres),***
- ***being above a particular critical value (eg greater than 12.0 metres),***
- ***being 'near' (approaching) a specified value, or***
- ***a class of flooding (minor, moderate or major).***

These predictions can be seen as having relevance for a 'reference area' around the relevant gauge.

Predictions are made by monitoring weather, rainfall, river and catchment conditions that can lead to flooding, by measuring rainfall within the catchment and river levels at important locations, and by using appropriate mathematical techniques to predict future river levels. The critical issues are to:

- ***understand where predictions are needed and why,***
- ***ensure the predictions address the requirements of those at risk,***
- ***appreciate that it is not usually possible to be certain about a prediction,***
- ***maintain good communication between prediction agency, lead response agency and community about prediction accuracy and flood impacts,***
- ***have clear protocols relating to issuing, receipt and use of predictions,***
- ***reduce the likelihood that particular groups within the community will compete with the official prediction agency, and***
- ***take special care in describing predictions of extreme events.***

Introduction

Flood prediction is an essential component of effective flood warning. At the initial stages of a flood event, as part of routine monitoring, it involves predicting expected river levels to assess the **likelihood** of flooding. If flooding is expected, predictions provide information on **expected river behaviour** during the flood – that is, the height which will be reached at specified gauge stations at particular times. The predictions themselves provide the basis for understanding the severity of an oncoming flood. From this, the actions necessary to mitigate the effects of the flood can be initiated.

The various products which the Bureau of Meteorology issues in relation to flood prediction (flood watches, flood warnings, severe weather warnings and severe thunderstorm warnings) are outlined in Chapter 3 of the Australian Emergency Manual **Flood Response**.

Catchment Monitoring

Routine catchment monitoring is carried out to maintain a continual awareness of the rainfall amounts needed to produce flood runoff. Data from networks of rainfall and river-level stations are used to monitor catchment wetness (ie soil moisture) and river conditions, normally on a daily basis. This is done in close liaison with the 24-hour meteorological monitoring and detection role of routine weather forecasting, which includes future rainfall forecasts by global and regional Numerical Weather Prediction models together with specialist local interpretation. The combination of current catchment state and future rainfall allows an early assessment to be made of the possibility of future flooding and the river levels likely to be reached.

Effective routine monitoring of the potential for flooding requires:

- sufficient rainfall and river flow data to provide a representative picture of what is happening over the river basin,
- close liaison between meteorological and hydrological forecasting groups, and
- a hydrological prediction capability to assess the impact of changes (predicted or detected) in meteorological conditions.

Early Prediction and the Question of Accuracy

People threatened by a flood need to know as accurately as possible how high the flood will be, and with enough time to protect themselves and their belongings. But the time available for warning depends on the rate at which streams respond to rainfall. A small urban creek may respond within minutes, producing flash flooding, while floods on the Darling and Murray rivers may take months to reach some downstream communities.

Usually a flood can be predicted with high accuracy only in the later stages of its development when more information such as observed rainfall becomes available. Therefore, in order for sufficient warning time to be provided it is often necessary to accept a less accurate prediction. Thus there is a trade-off between prediction accuracy and warning time. A particular problem exists in relation to flash floods, for which warning time is unavoidably short.

The diagram below (Figure 3) illustrates an example of the trade-off between the warning time which can be provided and the level of accuracy which can be achieved for the case of flash flood warning.

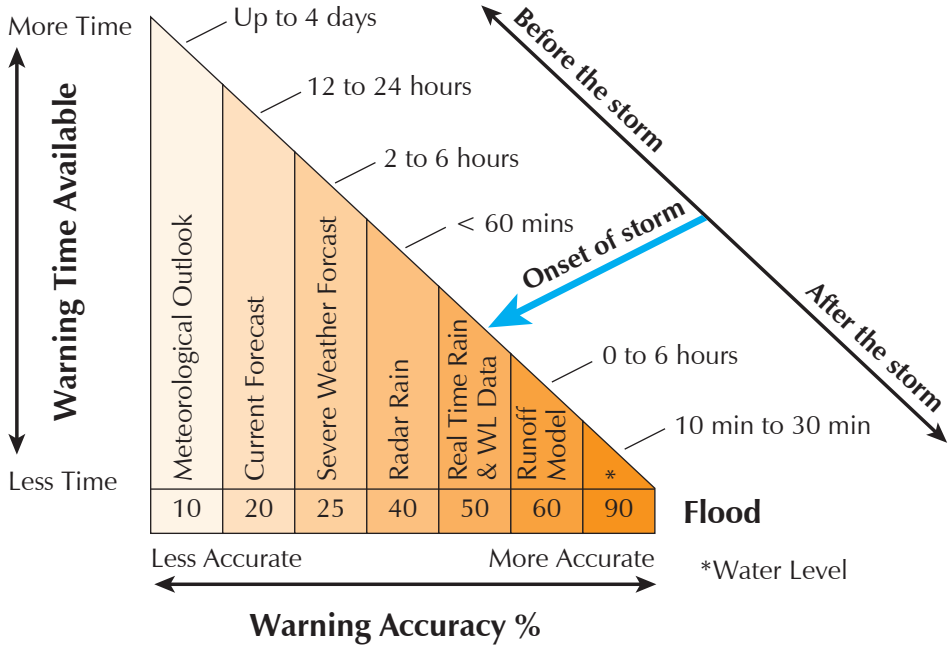

Figure 3: The Trade-off Between Warning Time and Flood Forecast Accuracy for Flash Flood Situations (Wright, 2001)

Early in a flood event, predictions often have to be made using **forecast rainfalls** rather than falls which have actually occurred or stream heights which have already been recorded at gauges. Because of the inherent uncertainty in using forecast rather than recorded rainfall, such predictions will generally not be very precise. To reflect this uncertainty it is common to use a **range** of possible forecast rainfalls in making this initial assessment. The more modern numerical weather modelling systems are able to attach specific probabilities (ie percent chance) to such rainfall amounts and it is possible to get some estimates of the uncertainty involved.

These early flood predictions can be used as the basis for warning products such as a Flood Watch, which is issued by the Bureau of Meteorology as a 'heads up' for emergency management agencies and the public to the possibility of flooding in the near future (usually over the next few days). With these products, it is important that the inherent uncertainty is known and understood through appropriate public education and in the design of the product. While such products provide more time to prepare for the flood, this benefit has to be traded off against the possibility that the flood conditions will not develop as anticipated. Furthermore such predictions are normally made for larger areas covering several river basins, again to cater for the inherent uncertainty in the movement of rainfall-bearing weather systems.

In the case of the medium to large river basins, with floodwaters taking longer times to travel, more accurate predictions are normally possible later in the event but still prior to the flood fully developing. In the case of flash flooding, however, these early and less certain predictions may be all that is possible in the time available.

The trade-off between accuracy and uncertainty can be summarised as follows in relation to the basis on which predictions can be made:

- Predictions based on forecast (pre-storm) rainfall can only be very approximate.
- Predictions based on amounts of recorded rainfall are likely to be more accurate, but they need to take account of rainfall losses due to evaporation, seepage and water that has flowed into and been impounded by dams. Given the complexity of the processes involved in transforming rainfall amounts into subsequent river flow, inaccuracies in predictions are likely.
- Predictions based on measured stream heights upstream of a specified gauge are generally the most accurate, especially in streams with little additional inflow between the two gauges.

The Elements of Flood Prediction

Flood Height and Time

During a flood event, the normal requirement is prediction of expected stream levels at specific times at key locations on a river. Predictions can be of:

- flood stages (the levels reached at specified times as the flood rises towards the peak),
- the peak flood level, and
- particular significant levels (eg the lowest point on the crest of a levee) that will be reached or exceeded as the river rises.

River level predictions as the river recedes are also useful to guide post-flood recovery activities.

A prediction is normally made for a particular location and time and ideally is expressed as a specific river level at a nominated gauge. This requires confidence that available data and prediction techniques allow the hydrologic behaviour of the catchment and the hydraulic behaviour of the river to be reliably modelled. Where this is not possible, a prediction may be given as a range, which is an indication of the **class** of flooding (minor, moderate or major) to be expected. Each class corresponds to a range of river levels and a prediction of a class of flooding means that the river is expected to reach a level somewhere within the relevant range.

Associated with the growing ability to express rainfall forecasts in probabilistic terms is the capability to attach specific probabilities to river level predictions. These types of forecasts result from a more complete processing of the various sources of uncertainty in the hydrological forecasting process and can provide a more objective measure of the real uncertainty of the prediction process. Response agencies will need to develop a capability to make best use of this improved information.

A prediction of the expected stream level at a single location is **by itself** of limited use for response. As discussed in a later chapter, what the particular predicted level **means** for areas at risk in the floodplain surrounding that location (that is, the likely impacts on the community) needs to be established. This interpretation task has not usually been the responsibility of the agency responsible for flood prediction (normally, the Bureau of Meteorology). However, with the improved hydraulic modelling capability now available it has become more feasible for prediction agencies to produce predictions as **flood extents** as well as heights at key locations. This would greatly facilitate better interpretation of impacts (for example in the form of areas and depths of inundation, water velocities in the floodplain and impacts on structures such as levees). As is the case for river level predictions, these types of predictions are associated with some uncertainty.

Warning Lead Time

Warning lead time is the time between the issuing of a message containing a prediction and the time when the predicted height is reached (or when the stream peaks below that height). In general, the longer the lead time, the better. The value of flood prediction is determined by both the accuracy of the prediction itself (where optimal performance represents the predicted level actually being reached at the expected time) and the amount of warning lead time provided.

The potential warning lead time is a function of the hydrology of the catchment draining to the forecast location and the technical components of the flood prediction system. Where a location can be flooded by runoff from small catchments which respond very quickly to rainfall (flash flooding) the potential lead time is very small (from less than an hour up to several hours). In these situations the use of forecast rainfall is needed to increase the available lead time, but this can be at the expense of forecast accuracy. As catchment size increases, the 'natural' delay between rainfall and flood runoff increases, creating the opportunity to use a combination of observations of rainfall and river level with rainfall-runoff modelling to capture this natural delay as the warning lead time. Such modelling approaches are also subject to forecast uncertainty but this is normally less than with those methods which rely mainly on forecast rainfall.

Locations flooded by large, slow-moving, low-gradient rivers can have potential warning lead times of the order of many days up to weeks in some cases in inland Australia. In these cases predictions are based on observations of upstream river levels and are normally very accurate. Recognition of this inter-relationship between accuracy and lead time should be built into the development of response strategies.

It should be clearly understood by response agencies that flood predictions take time to prepare. Time is required for:

- collection and management of data from the network of gauges in a catchment area,
- meteorological forecasting,
- running the flood prediction models (hydrologic and hydraulic), and
- preparing the message containing the prediction.

If there are important actions that need to be taken before particular and critical stream levels are reached (eg the evacuation of an area behind a levee which would be overtopped at a known gauge height), these levels should be identified by the key response agency. They can then be built into the objectives of the prediction system.

Prediction Frequency

The optimal frequency of predictions varies from area to area and reflects the speed of rise and fall of floods. In flatter valleys and long rivers on which floods may travel long distances, predictions need to be revised less often and less quickly than is the case where gradients are steep and travel distances short. In flash flood catchments especially, predictions usually need to be updated quite rapidly. Messages containing flood predictions should indicate the period over which the prediction applies and should nominate the time at which the next prediction will be issued.

User Requirements

The requirements for flood predictions should be determined from an understanding of flood effects at different river levels and the types of protective behaviour most appropriate to each situation. There is a need to determine:

- the locations on the river system at which predictions are needed,
- the level(s) within the reference areas of specified gauges at which flooding requiring community warning can be said to begin (these levels will create 'entry levels', usually defined as 'minor flood' heights, for the prediction agency),
- what river levels are critical (for example, the gauge levels at which farmland is inundated, roads cut, houses flooded or evacuation routes closed or other specified impacts are felt),
- the time needed to undertake the necessary protective responses (for example to relocate irrigation pumps or livestock, evacuate a certain number of houses or sandbag gaps in levees), and
- the desired frequency with which predictions will be made.

In the early stages of an event, the prediction may be that a particular level will be reached or exceeded, with the expectation that the river will later peak at a higher level. It is important for response agencies to be aware that not all predictions are of peak levels.

It is important that the expected **trend** of the river (rising, steady or falling) is indicated in messages containing flood predictions. As a flood is developing, many users also seek information on the rate of rise in the period immediately preceding the issuing of the prediction.

Key Agency Responsibilities and Requirements

The key agency responsible for **flood response** or the development of **flood emergency plans** (ideally this would be the same agency for both functions) should be primarily responsible for:

- establishing user requirements for flood predictions in close consultation with other agencies and the community (for example, in small-group meetings with flood-affected people and held periodically, including soon after floods when memories are fresh), and
- communicating these requirements clearly to the prediction agency.

It may not be possible to establish user requirements precisely, particularly as flood impacts are not always known or may change with time. Change may occur as a result of change in community features (for example the development of irrigation farming or new levees) and/or elements of infrastructure (for example the building of a new bridge at a higher level than the one it replaces, altering the flood height at which communities are cut by flooding). Nevertheless, it should always be an objective to work toward determining and refining these requirements as fully as possible consistent with the significance of the flood problem. Periodic consultation with members of the flood-prone community will be necessary to ensure the requirements fit the needs of the community in general as well as those of participating agencies. Each community is likely to have its own unique set of requirements.

There will always be limits on the accuracy of flood predictions. Response agency personnel and (as far as possible) community members should have a clear awareness of the accuracy limitations associated with the flood prediction process. A response agency can use information on prediction accuracy to examine the sensitivity of its response actions within the prediction limits. This allows the agency either to be better prepared, should a 'worst-case' situation eventuate, or to be more confident that the actions planned are the most appropriate.

An exact prediction is not always needed, and in any case it must be appreciated that flood impacts will not be identical in the reference area of a gauge even for two floods which peak at the same height there. Often a range within fairly tight bounds (say 0.3 metres) is sufficient for people to do what is necessary in their responses. There are other situations, however, where a high degree of accuracy is more important although this usually applies only at particular levels (for example, at the height

equivalent to that of a levee protecting part of a town).

Coordination and Communication

Operational coordination and communication are essential between the prediction agency and the lead response agency involved in the reception and interpretation of predictions. On-site reports provide valuable feedback to the prediction agency on the impacts of flooding and on the accuracy of the predictions. Information on forecast accuracy can be used to adjust hydrological prediction models so future forecasts can be made more accurate.

When there is local doubt or confusion about the validity of the prediction within local groups, the reason for this doubt should be discussed with the prediction agency. The reason for concern, together with any supporting data (including locally-operated data networks that may not be available to the prediction agency) is best shared in a co-operative environment to ensure only a single prediction is made. This reduces the potential for confusion among the recipients of the warnings.

In some circumstances the communication occurs directly between the prediction agency and the community at risk, the prediction agency taking responsibility for disseminating most of the information. This can occur either where there is no lead response agency available or capable of undertaking this role, or in situations of urban flash flooding where there is insufficient time available to undertake separate prediction and interpretation activities. In the latter case it is important that the prediction agency and the lead response agency agree formally ahead of time on the principles which will underlie the dissemination of predictions, warning information and advice. This issue is discussed further in Chapter 5.

The Role of Technology

The technical quality of flood prediction (accuracy, timeliness and reliability) can vary considerably depending on the type of technology used. The measurement of the basic data inputs to a prediction system (rainfall and river level and flow) can be achieved using simple manual observation techniques, but the use of automatic and semi-automatic devices can lead to substantial improvements in prediction quality and to considerable savings of time in the prediction process. Devices can include float-well or pressure sensing equipment for river level measurement, and tipping-bucket gauges for rainfall coupled with telemetry devices to communicate the information to the prediction centre with speed. Ultrasonic techniques for streamflow measurement and radar-based systems for rainfall measurement are becoming increasingly common.

A wide range of technologies is available. The design of the prediction system should match the prediction requirements and consider the cost-benefit relationships with respect to the likely effectiveness of flood warning as a mitigation strategy.

Data Communication

Data can be communicated to the prediction centre using a range of telemetry systems. Radio, telephone, mobile phone and satellite systems are the most common. Increasingly, internet-based technologies are coming into use. System reliability can be improved by investing in more robust options such as dedicated landline or microwave links, the provision of redundancy by duplicating systems or creating alternate communication paths, or simply by increasing the number of stations in the network.

Where gauges have been telemetered, a 'manual' gauge reading capability for key sites should be maintained to provide a measure of insurance against technical failure and the destruction of automatic gauges by floodwaters.

Model-Based Prediction

Flood models are used to convert rainfall and streamflow data and catchment information into a prediction of the height that will be reached at a downstream gauge at a specified time.

Hydrologic and hydraulic modelling techniques vary widely. Although relatively simple procedures can predict river behaviour with reasonable levels of accuracy, investment to increase the density of real-time rainfall and river level measurement, along with more data on physiographic characteristics of the river and its catchment, provides scope for applying increasingly sophisticated modelling tools. These tools can improve the accuracy of prediction for the more common flood events, and can also provide a greater confidence in predictions for the more severe events not yet experienced. Again, the choice of technique should be based on a consideration of prediction needs and the value returned from investment in improved procedures.

Flood Information

In recent years, the rapid development of the internet has made it possible to provide a wide range of flood information products. For example, the Bureau of Meteorology web site (www.bom.gov.au) provides for all of Australia:

- weather forecasts (both general and for specific locations),
- current warnings for flood and severe weather (including flash flooding),
- radar rainfall images (updated every 10 minutes or so and in animated displays) including quantitative amounts, with forecasts also being planned,

- observed rainfall for periods from the past hour out to several days in both map and bulletin form (this information is available for point rainfall, colour-coded in amounts and in tables listed by river basin), and
- observed river levels in map and bulletin form as well as time series plots.

For response agencies, the Bureau of Meteorology may be able to supply information from flood forecast models as graphs showing anticipated stream levels at each gauging station. These predicted flood hydrographs will allow agencies to determine when critical flood levels may be reached and the expected rates of rise and fall of a flood.

Such information has value in assisting users to build a wider picture of flooding as it develops to provide a context for better understanding the more specific prediction information that is contained in individual messages. There is an increasing trend towards community demand for more information.

Computer Systems

Modern computer, communications and database technology provide the basic infrastructure to support a fully integrated 'on-line' system that integrates all components of flood prediction operations. Such technology also allows these systems to be combined with meteorological forecasting systems and product dissemination through modern technologies, in particular the internet, to provide a fully streamlined operation.

In addition to supporting these 'core' prediction activities, technologies such as 'web-cam' are being used. Thus images from a video camera sited at a key flood warning gauge can be transmitted over the internet. This allows actual floods to be filmed and gauges to be photographed to check on their operation (eg to determine whether they have been vandalised or fouled by debris).

The choice of technology should always be driven by client needs. Technological alternatives should be assessed as a balance between the potential reduction in flood damage from an improved quality of prediction and the cost of the technology needed to gain that improvement. This approach can often be difficult to implement in practice as there are many other considerations that dictate the eventual prediction system used. Nevertheless, as a principle, the need to achieve this balance should guide decisions on the choice of technology as far as is practicable.

Automated Systems

Technology provides many opportunities to automate the detection, prediction and warning dissemination processes for flood warning. This is of particular advantage for local and broader scale flash flooding across urban and other heavily populated areas. One example here is the application of ALERT (Automated Local Evaluation in Real Time) and similar systems implemented in many small catchments throughout Australia, especially in circumstances where warning time is short.

These systems automate the detection of predefined threshold conditions for flooding and can telemeter messages to response agency personnel by mobile devices when designated rainfall intensities are recorded or critical stream levels are reached. They also make a wide range of flood data readily available to response agencies for subsequent extension into a wide range of warning products suited to broadcasting via the internet, SMS and mobile phone.

The increasing availability of high-quality weather radar has seen the growth in systems for generating a range of new graphical products that are aimed at improving the quality of flash flood warning. The improved rainfall measurement and forecasting capability provided by this radar, coupled with increasingly sophisticated Digital Elevation Model (DEM)-based hydrological analysis and prediction tools, is leading to the production of systems for the rapid identification and forecasting of potential flash flood risk zones. This information can be produced automatically and speedily transmitted to response agencies and the public, again through media such as the internet and mobile devices.

It is important to recognise, however, that automated systems will of themselves have little if any effect if they are not supported by appropriate warning dissemination methods and associated public education to ensure the warnings are understood and acted upon. Equally the automated systems must be maintained by an agency with the appropriate technical skill and commitment.

‘Informal’ Prediction Systems

It is important to recognise that an informal prediction system may exist in addition to the official one. This informal system is usually made up of local residents who will have their own impressions of how serious an impending flood will be, often based on their own records from past floods. Seeking the advice of these people is important, and they should be identified and encouraged to share their information which can then be incorporated into the prediction process. Council staff and local response agency members can usually identify such people.

Although it might be done on a case-by-case basis, it is useful to explore ways to incorporate this capacity to feed into the prediction process. One possibility is to employ such people as gauge readers, though this can create its own problems when readers are busy protecting their own property or are otherwise

not contactable. Another approach is to encourage them to contact the prediction agency if they have information which suggests flood forecasts are in error. The outcome may be a revised official forecast. It is important to ensure that there is a **single** acceptable forecast rather than competing ones from different sources. Competing predictions create the potential for confusion in the community.

The strategy of acceptance and incorporation helps integrate the informal system with the official one and minimise the undesirable effects of competing predictions arising during flood periods. Liaison here should work both ways and include making local groups and agencies aware of the essential details of the flood prediction process. It is very important to stop unauthorised independent predictions reaching local media outlets. Incorporating local people and local agencies within the formal prediction system also gives them part ownership of it and increases their confidence in its operation. In other words, local informal prediction systems need to be managed as part of the overall arrangements for flood warning.

A risk that has to be carefully managed here is that of the loss of local 'experts' when they move away from the area. With the relative infrequency of flooding in many parts of Australia and the high level of residential mobility within the population, there is a real likelihood that key individuals may not be available for the next flood. Furthermore, as mentioned above, local people may also be involved in their own personal flood management activities and so can not always be relied on to provide their particular input to the prediction system.

It is equally important that those agencies whose personnel receive products from the formal prediction system treat them with respect and care. Agencies using Bureau of Meteorology predictions, for example, should not modify them in ways that allow the modifications of the predictions to be published in the community, for example by advising local radio stations of the changes. To do this also causes confusion by creating conflicting forecasts. It is, of course, quite appropriate for local agencies to **plan** for flooding worse than that which has been forecast, but discipline needs to be exercised to ensure this can be done without causing confusion among community members.

Setting up Informal Systems

There are cases where it is necessary to establish a kind of informal prediction system deliberately. For many creeks and rivers there are no formal, scientifically-based warning systems but there is a case for developing an alternative system if people and property are affected by flooding and if a local demand for warning information exists. This can often be done by gaining access to informal local community system networks which, in some areas, have been passing flood information from upstream to downstream locations, often from farmer to farmer, for decades.

Where this is the case it is usually a simple matter for a local response agency to gain access to the network, formalise it to an appropriate degree and use it to develop assessments and spread information more broadly. In many situations, local agencies already tap into such sources to fine-tune predictions.

A particular case here is for small creeks where the establishment of locally-based monitoring and prediction systems can be effective. One approach is for a local response agency to set up an information-gathering system whereby individuals along a stream can be contacted for details of current flood situations. Assessments can then be made, by the response agency, by comparing an existing flood with past ones in terms of apparent severity, developing response actions accordingly and providing warning information to the wider community as necessary. These local systems are best established in coordination with agencies such as the Bureau of Meteorology and the response agencies which can advise on available technologies and other aspects of system design and operation.

Existing Local Informal Systems in New South Wales

Informal prediction systems have been set up in numerous locations in Australia including along Mirrool Creek (in the Riverina area) and Thalaba and Moomin creeks in the north-west of New South Wales between Moree and Walgett. These creeks flow only intermittently and there are few stream gauges, but occasional flooding can cause damage to farm installations and in villages. Local State Emergency Service units have set up networks of 'creek readers' who make telephone contact downstream and with their local SES Controller when flooding begins. The creek readers also act as wardens, alerting members of their own communities to approaching flooding. The system is intended to ensure the provision of basic flood information to response agencies and to the community via the media and other means.

Many such systems have been established in Australia, some pre-dating the era of formal flood warning services. They are, however, prone to become ineffective if not consciously kept 'alive'. Where such networks are established, attention needs to be given to maintaining them during the often long periods which can elapse between episodes of flooding. It is also wise to examine the technical basis (if any) of these systems to ensure they have some scientific basis. Reminding the participants of their roles, and devising simple exercises to practice them, will help keep the systems 'fit for purpose'. Reminders should be given on at least an annual basis.

CHAPTER 4

Interpreting Flood Predictions

In a Nutshell…

- ***Predictions of flood heights are most useful when they are accompanied by appreciations of the spread of the water in areas around the relevant gauge. This requires knowledge about what will be affected at the forecast heights.***
- ***Predictions are best interpreted by a response agency at the local level. This is the level at which the likely impacts of flooding at different heights can most easily be understood.***
- ***Information needs to be collected on the effects of flooding at different heights so that the levels at which water encroaches on particular areas (for example, farmlands, residential properties and business premises) can be identified.***
- ***A comprehensive understanding of the likely impacts at predicted flood heights is vital to formulating effective warning messages targeted at the flood-prone community.***

Introduction

Predictions of likely flood heights at a gauge are of little use by themselves. To unlock their **meaning** to response agencies and the community in the reference area around the gauge, the effects of flooding at the predicted heights must be able to be estimated: in other words, value has to be added to the predictions. This requires flood risk information to be compiled, either from historical records or from flood modelling.

The availability of flood risk information which describes the impacts and potential effects of flooding is highly variable across the country. This variability influences the ability of response agencies to understand the potential risk and to communicate the likely impacts to the community.

In some parts of Australia which are frequently affected by flooding, an impressive array of data has been collected to describe what has happened during past events. In addition, flood studies have often developed estimates of impacts at various flood heights. As a result, the floor levels of buildings relative to gauge heights are known and the inundation sequence during typical events is well understood in the response agencies and to some extent in the community. Many people in such areas know the meaning of particular gauge heights and will be able to respond appropriately to an imminent flood.

In many other areas, including some potentially high risk urban centres, flood events have been infrequent and data collection poor. As a result, response agency members and the public have limited direct experience or knowledge of flooding in their own areas. In many cases, it has not been possible to establish an accurate picture of the likely impacts of flooding and while models can generate estimations, these may have little meaning to potential clients and their usefulness can be restricted

outside technical agencies. It follows that where flood information or intelligence is lacking or of poor quality, warning services and response strategies are likely to be impaired.

Response agencies have a duty to ensure that predictions and other information released to the community can be readily understood so that people can comprehend what the impacts of a coming flood will be and how they should react. Research has shown that most members of the general community cannot easily interpret gauge or flood heights, particularly if they lack direct experience with flooding in their local area. When a flood prediction is received, information from past floods or technical results from models need to be used to identify likely consequences within the local area. To do this, flood intelligence systems are required to add local context and meaning to flood predictions. Where quantitative predictions are provided, this means linking impacts to the numbers.

Resources must be allocated to developing these systems. Data should be gathered from local government bodies, water management agencies and other agencies and from formal flood studies which have been undertaken. Additional data should be collected during times of flooding. All this data can be used to interpret and add meaning to flood predictions.

Information Needs for Warning

Flood intelligence records provide key resources that aid in the interpretation of flood predictions and provide content for warning messages. The Flood Preparedness manual provides detail on how to compile and use the flood intelligence records, which should be developed for the **reference area** around a stream gauge, both upstream and downstream (see Figure 4). This is the area for which gauge heights have meaning in terms of riverine flooding, independent of local flooding or flooding from tributary creeks. The entries themselves should consist of the known or estimated heights at which the following occur:

- floodwaters encroach on specified farmlands, caravan parks, residential and business properties, rural and isolated properties, community facilities (including potential evacuation centre locations), institutions (eg nursing homes and schools) and utilities (eg sewerage and water supply systems and electrical substations). Impacts at different locations can be indicated by map grid references,
- buildings are flooded over their floorboards,
- roads are cut, causing individual houses, communities or parts of communities to become isolated and traffic movements to be disrupted,
- railway lines are cut,
- airfields begin to be or are inundated,
- other significant effects (including the overtopping of levees) occur or can be expected. Where

studies have been carried out on the integrity of levees and 'imminent failure heights' have been identified below design levels, these heights should also be recorded. Note that levee crest heights usually include an allowance for freeboard, but both operational experience and the findings of law courts indicate that this should not be relied upon,

- record and historic flood peaks in recent memory (or particular design floods such as the 1 per cent AEP event or PMF peak).

Figure 4: Stream Gauges and Reference Areas, Clarence River, New South Wales

It will also be useful to record the depth and velocity of floodwaters at specified locations when particular heights are reached.

In compiling these records, care should be taken to:

- ensure that effects are **correctly ascertained in a causative sense** relative to gauge heights. It is important not to include effects which did not relate directly to specified heights being reached during a particular event (eg effects on a tributary which occurred at the time a height was reached at a gauge on the main stem of the river but were not the result of that height being reached),
- note any **interdependencies**, such as where an impact at a particular height at a gauge will occur only if some other effect, unrelated to that gauge, also occurs. An example would be a road being cut at a certain height, necessitating a longer journey on an alternative route between two places but with the possibility of all access being lost when this route closes as a consequence of flooding on another stream,
- ensure that effects are noted in terms of **types of impacts**, eg roads closed to different classes of vehicles, or properties affected in different ways (such as by **inconvenience**; if additional distance is added to journeys; or by complete **isolation** which may necessitate resupply; or by **inundation**),
- keep detailed **lists of affected properties**, by type (residential, farm, retail, industrial, caravan park, etc).

It should be noted that virtually all flood intelligence records are **approximations**. Further, no two floods in an area, even if they peak at the same height at the reference gauge, will have identical impacts throughout. This may be because their gradients differ, because they rise or fall at different rates, or because they are at or near their peaks for different lengths of time. In addition the channel and floodplain environments in which they occur are unlikely to be the same.

The fact that height/consequence links are approximations, with some cases being estimates of likely rather than certain occurrences, should not be of concern. **On no account should lack of complete accuracy be allowed to discourage efforts to develop flood intelligence records**. Indeed the fact of approximation should be regarded as a positive because the information disseminated in warning messages usually needs to be generalised. In any case it needs to be only 'sufficiently accurate' to lead people to appropriate responses: it does not need to be precise in all respects. The alternative to inexact information, often, would be to have no useful information on which to base operational decisions and construct warning messages. Where substantial known variability exists in the heights at which particular effects can occur, this can be noted by listing a range of heights.

Apart from recording height/effect relationships, the records may indicate specific actions which may need to be:

- undertaken before specific heights are reached (eg barricading a road which will be dangerous to travel on, or closing drainage valves to prevent backwater flooding), and/or
- completed in advance of floodwaters reaching particular levels (eg moving farm animals before paddocks are inundated, evacuating people to safety before escape routes are cut, or removing electric motors from sewerage pumping stations before they are submerged).

In such circumstances, indications of the **amount of time required** to carry out the required actions are particularly useful.

The flood intelligence record should identify flood levels that produce significant impacts for the various sectors of a community (eg urban, rural, residential and business) and for different locations within the reference area of the gauge. In doing so the record will link the physical and social information gathered through analyses of the hazard and the community and will provide a framework for managing problems which will occur at heights which can be known, at least approximately, in advance. This means that barricades to close roads can be assembled and school bus companies advised, allowing decisions on alternative routes to be taken, and pre-event identification and prioritisation of evacuation requirements can be made for houses, schools, hospitals and business premises. Equally, data can be assembled on which premises will need to be warned about the likelihood that inundation will occur.

Most importantly, recording heights against consequences and actions helps develop a modus operandi for flood managers which involves routinely looking ahead to ensure responses occur at appropriate times. In turn, this will mean that actions which need to be undertaken are carried out when they can most effectively be done rather than when they are most needed to be done – which is often later than is preferable. Estimating the amounts of time needed to carry out these tasks will facilitate their successful completion.

Examples of intelligence record statements for particular gauge heights might include those listed in Table 2.

Gathering, Updating and Displaying the Data

For particular areas some of this information may already exist in local government engineering records or from studies of past floods. It is important that, where possible, any gaps be filled and the records updated by the systematic gathering of data **during** and **immediately after** flood events. This information can be fed to a response agency operations centre for assessment and immediate use. It should then be held for the after-event updating of records and debrief meetings.

Table 2: Examples of Entries in Flood Intelligence Records

- Water begins to enter _____ Caravan Park. Relocation of up to (number) vans to high ground at (location) must be completed before this height is reached. Disconnecting vans from sewerage, pumping up tyres and carrying out the relocation takes _____ hours.
- River breaks banks at (location); farmers in vicinity (define) need to be advised in case of need to move livestock and equipment. Warning time required: _____ hours.
- _____ area cut off from _____ at (location), (number) houses isolated for (approximate period of time, expressed as a range of hours or days). Resupply necessary; can be conducted by high-clearance vehicle until gauge height (metres) is reached after which resupply must be by boat or air. Note that some dwellings may be inundated over floorboards at _____ metres. See annex for details of houses affected.
- Shops in _____ Street begin to take in water. Need sandbagging which takes (time required). Note that access to these shops is lost at _____ metres.
- Approach to _____ Bridge cut 8–10 hours after this height is recorded; access to (town) available only via (alternate route) which may be closed at (location) by flooding on ungauged (name) creek. School bus drivers need to be advised.
- Overfloor inundation of houses in _____ Street begins. Note that evacuation route (describe) may be cut at (location) at gauge height lower than this level (define). Time needed to raise furniture and effect evacuation is (hours required). See annex for address list.

What this means is that response agencies at the local level need to develop **expertise** about the characteristics of flooding in their own areas. It does not mean response personnel must become specialist hydrologists or duplicate the work done by prediction agencies. They should, however, develop an understanding of local flood characteristics and the ability to record information to help further that understanding and to ensure the usefulness of flood predictions can be fully realised. This is vital to effective decision making and to provision of high-quality warnings to the community.

While most of the information collected will be related to the specific effects of flooding at particular heights, it is also useful to note any special characteristics of the flood itself to better relate the effects to the gauge heights. Data on the features and behaviours of individual flood events could be recorded including, as appropriate, information on:

- relative contributions of individual streams/creeks/sub-catchments to the flood,
- some indications of flood volumes and their correlations with gauge heights,

- tidal states, and
- any additional observations not normally captured by automated data collection systems.

Geographic Information Systems

It is worthwhile investing in **Geographic Information Systems** (GIS) so that the data are collated into a single repository. A GIS will also help to interpret height predictions operationally. With current software it is possible to build maps on a computer to show the locations of creeks, streets, utilities, property boundaries, contours and flood lines and to overlay census information, cadastral data sets that illustrate property type and land use, utility and lifeline networks and critical components (such as power and water substations).

GIS can be used in various components of the total flood warning system, providing real benefits to agencies and subsequently to at-risk communities. Considerable developmental work is needed, however, to build the data sets and information displays required during a flood management operation. This work includes geocoding elements at risk, digitising operational management features such as evacuation routes and management sectors and building a library of flood surfaces. These are typically outputs of the planning process and must be prepared in non-operational periods.

Ideally, a GIS should be integrated with an agency's operations management system(s) through being connected to property databases, telemetered rainfall and river-height data, hydrologic model results and other decision support tools. However, less sophisticated set-ups, such as single installations, can also be of value.

The most common application of GIS in flood management lies in the interpretation of flood predictions. The practice of drawing a likely flood extent on a paper map is an old one which is made very simple when data is available in a GIS format. More advanced approaches of intersecting digital terrain models, and height-attributed property and/or road data with flood surfaces, are emerging. Typically, elements at risk of flooding identified through the review of flood intelligence records would be geocoded and attributed with height information (both gauge height and relative to a standard datum such as mAHD).

Figure 5 shows such an example of a flood map displayed using a GIS. This shows inundation of Euroa, in the north of the Victoria, from a series of eleven inundation maps covering events ranging from nuisance floods to the assessed 1 per cent AEP flood. All are referenced to the key gauge in the town. Such maps may indicate the depth of floodwater in different locations on the floodplain, the velocity and direction of flood flows, and the properties which are likely to experience overfloor and/or overground inundation at particular flood heights on the gauge. Ideally, this mapping should go beyond the 1 per cent AEP event. It could extend to cover the PMF or, where appropriate, dam-failure floods.

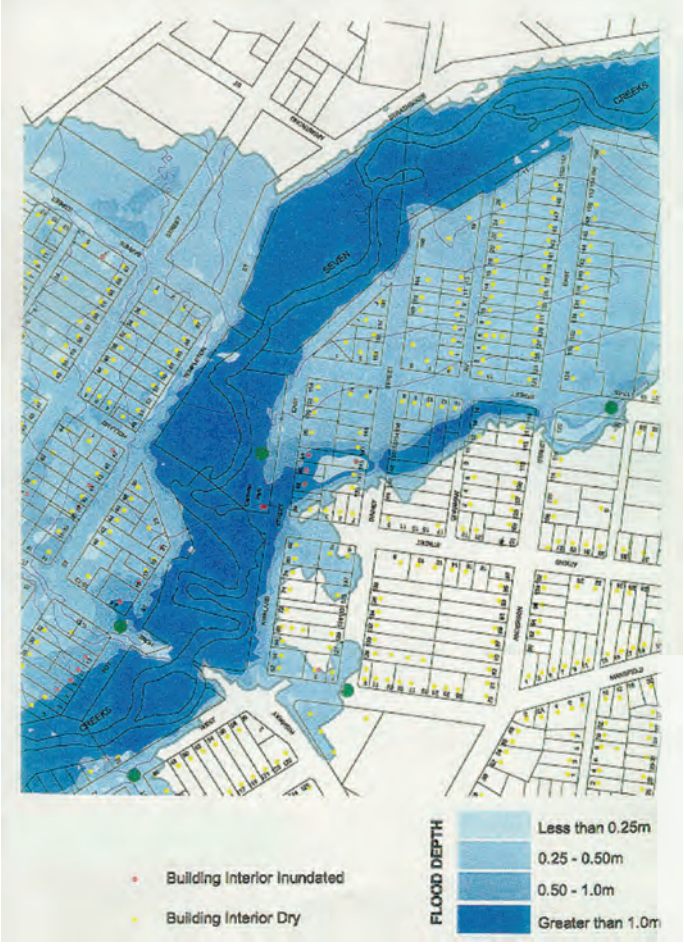

Figure 5: Inundation at Euroa in a Flood Reaching 6.1 metres (the 1% AEP flood)

Because of their visual power, aerial and ground photographs showing the physical extent of flooding in events of differing severity are also vital tools for aiding the understanding of flood behaviour and communicating potential impacts. They are useful complements to GIS map products and flood information tables.

Further detail on the use of GIS for flood management planning and response is available in Chapter 2 of the Australian Emergency Manual **Flood Preparedness** and Chapter 3 of the Australian Emergency Manual **Flood Response**.

Flood Classifications

In Australia there are standard flood classifications that describe the severity of flooding at stream gauges linked to the potential effects in the reference areas of the gauges (Figure 6). The classifications of minor, moderate and major flooding can be used as a general guide for response agencies and provide examples of how to translate numerical results into impacts on the ground that can be graphically or verbally communicated to the public.

Major Flooding: This causes inundation of large areas, isolating towns and cities. Major disruptions occur to road and rail links. Evacuation of many houses and business premises may be required. In rural areas widespread flooding of farmland is likely.

Moderate Flooding: This causes the inundation of low lying areas requiring the removal of stock and/or the evacuation of some houses. Main traffic bridges may be closed by floodwaters.

Minor Flooding: This causes inconvenience such as closing of minor roads and the submergence of low level bridges and makes the removal of pumps located adjacent to the river necessary.

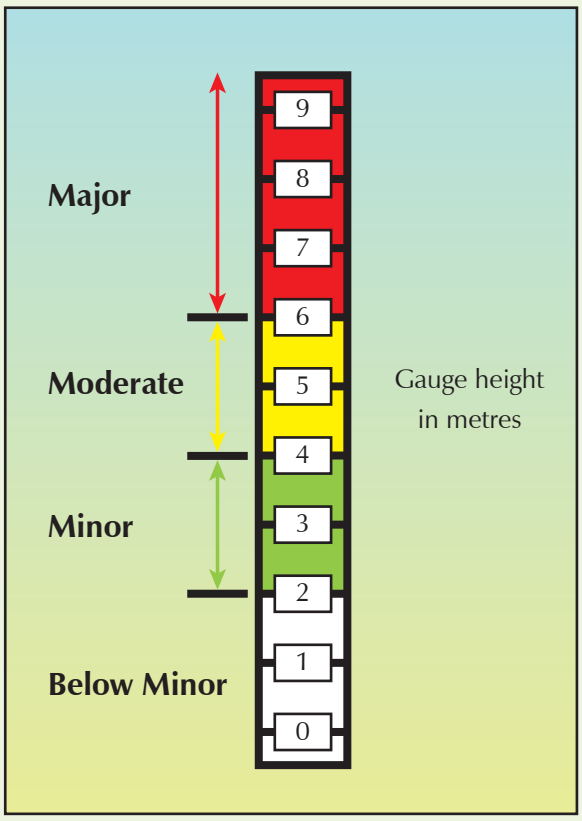

Figure 6: Minor, Moderate and Major Flooding

Recording Information for a Gauge Reference Area

A Victorian example of flood information relating to a particular gauge (Tallandoon, on the Mitta Mitta River) is shown in Table 3. This figure illustrates an effective structure for recording height-impact and action data, though a much greater volume of useful information could be envisaged. Note that actions are recorded against the heights at which particular effects are **expected** rather than at some unrelated lower height as often happens. This logic is intentional and designed to discourage actions being initiated on the basis of those arbitrary lower heights being reached. Rather, actions

should be defined in terms of the time required to carry them out well before floodwaters reach the expected height and render the actions difficult or impossible to complete.

Linking the Numbers to Potential Impacts

A flood prediction normally provides an estimation of flood height for a nominated future time at a specified location. For such a prediction to be useful to a response agency, tools must be available by which the consequences at the predicted height can be understood before it is reached and the timing and sequencing of inundation can be known. If these tools are available, decisions can be taken about appropriate actions. It is critical that height predictions not be allowed to stand by themselves. Their utility must be enhanced by a deliberate process of adding value.

When a flood prediction is received, a primary task of the response agency (usually the local council, local SES or catchment management authority) should be to **link the predicted conditions to potential impacts within the local area**. This will then determine and direct response and recovery operations and the messages communicated to the community. As flood effects ultimately impact on the community itself, it is worthwhile for response agencies to develop knowledge of the local conditions and potential reactions, both within the physical and social environments.

The goal should be to ensure that agency responders and members of the public have as clear an idea as possible about the impending flood event and what it means to them in their current location. This includes making predictions as **comprehensible as possible**, without compromising the quality of the content, in terms of the **areas likely to be flooded**, **the properties likely to be affected** (whether by isolation or inundation) and **roads likely to be obstructed**. The potential impacts from an event can be communicated to the public in a variety of ways that translate the numerical predictions into tangible experiences eg flood markers throughout a town, pictures of previous events and written descriptions of the potential extent of inundation.

Table 3: Flood Intelligence Record for Tallandoon

Gauge Name: Tallandoon		River: Mitta Mitta		
Key Heights (metres)	1. Minor: 4.2	2. Moderate: 4.9	3. Major: 5.6	
Height (m)	Flow (ML/day) Date	Effect	Location	Action
5.97	93,000 Aug 1955			

Gauge Name: Tallandoon		River: Mitta Mitta		
Key Heights (metres)	1. Minor: 4.2	2. Moderate: 4.9	3. Major: 5.6	
Height (m)	**Flow (ML/day) Date**	**Effect**	**Location**	**Action**
5.66	62,500 Jul 1974	Bridge on Omeo Hwy inundated. Some rural houses isolated and some flooded above floor level.	Two kilometres down-stream of the junction of Lockharts Gap Road and Omeo Hwy.	Rural evacuations required downstream of this location.
5.6	60,000	Major Flood Level.		
5.55	52,400 Nov 1974	Omeo Hwy inundated for 8 km.	From Tallandoon downstream	Liaise with VicRoads re road closure. Evacuation only possible upstream via Omeo.
5.48	47,300 Sep 1975			
5.37	39,700 Nov 1996	Omeo Hwy cut at 40,000 ML/day.	Upstream and down-stream of Tallandoon.	Lockharts Gap Road not accessible.
		Water over road at Tallandoon. (Highest flood since Dartmouth Dam construction.)		Liaise with VicRoads re notification of road closure. Limited vehicle access; 4WD only.
4.9	25,700 Dec 1992 Second Event	Moderate Flood Level. Widespread inundation of farmland.	Below Tallandoon.	Further stock movement to higher ground required. Consider future closure of Omeo Hwy at 40,000 ML/day and impacts on evacuation routes. Consider property evacuations.
4.3	17,800 Nov 1992			

Gauge Name: Tallandoon		River: Mitta Mitta		
Key Heights (metres)	1. Minor: 4.2	2. Moderate: 4.9	3. Major: 5.6	
Height (m)	**Flow (ML/day) Date**	**Effect**	**Location**	**Action**
4.2	16,500 Dec 1992 First event	Minor Flood Level. Pigs Point camping area inundated.		Consider stock movement. Campers evacuated.
3.7	12,655 Sep 1983	Inconvenience to landholders. Low-lying grazing land inundated.		Possible stock movement required in the lower reaches of the river. Additional information required to know what/ where inconvenience occurs.
3.4	10,000	Irrigation pumps affected Tallandoon (bank full).	Downstream of Tallandoon.	Community/farmers to monitor flows for impact on pumps. Landholders to contact Dartmouth Dam telephone flow advice.

From a community standpoint, the principal purpose of achieving high-quality flood interpretation is so meaningful information can be provided about the coming flood and advice given about what people can do to manage its impacts. Effective interpretation will help develop the content of the warning messages which will be disseminated to communities in the path of a flood.

In some locations, flood markers have been placed on bridges and in other prominent locations to provide residents with a visible point of reference for flood events. Markers such as these have the potential to be linked to the flood warning system, effectively 'personalising' the warning system when local flood effects are mentioned in warning messages broadcast during floods. They help make it possible for residents to assess the likely impacts in **their** local area, enabling them to make effective decisions about protecting property and if and when to evacuate. Using such markers does, however, require an education campaign to ensure that community members understand what they represent and are able to interpret them correctly when a prediction of a particular height is promulgated in a warning message.

CHAPTER 5

Designing Warning Messages

In a Nutshell…

A flood warning message provides information on what a flood prediction will mean to the target audience and what the audience should do.

Warning messages are the critical link in communicating information on expected flooding. They provide the signal for those at risk to take action before the flood arrives or reaches particular levels.

Message construction should be based on the needs of those at risk and should be in language familiar to those expected to take action. The critical issues are:

- ***ensuring messages are forward-looking and provide helpful information and advice,***
- ***persuading those at risk they should respond and within an appropriate time frame, and***
- ***ensuring messages include the predicted severity (height) of the flood, describe its likely consequences and indicate the actions people should take.***

Introduction

The warning message is the critical link between flood prediction and interpretation on the one hand, and the taking of protective action on the other. It must be 'user friendly', it should explain what is happening and what will happen, where, how the flood will affect the recipient of the message and what he or she can do about it. The message must come from a credible source (such as the Bureau of Meteorology or a State or Territory Emergency Service), be informative and persuasive and be clearly understood by those receiving it. The message may be either in written form or communicated verbally.

Understanding the Flood Problem

A precondition for effective flood warning message design is a detailed knowledge of the flood problem. This includes knowledge of the physical dimensions of flooding and of the communities at risk as well as an understanding of how those communities are affected by flooding. The characteristics of the flooding, the nature of the community and the interaction between flood and community should influence how warning messages are constructed and disseminated.

The Floodwater

The particular physical characteristics of flooding relevant to providing flood warnings include:

- when the floodwaters will arrive or reach certain heights,
- when the flood will occur (eg during the day or late at night),

- how long the flood will last,
- where the water will go (ie in terms of areas which may be inundated),
- the depth and velocity of the expected floodwaters, and
- other factors which may affect safety.

Some of this information, specifically that on which areas will be inundated at the forecast height, should be contained in flood intelligence records along with information on the locations at which roads will be cut. It also needs to be incorporated in any GIS being developed or in use to help manage floods within the area.

The Community

The 'public' is not a uniform group of people who think and act in the same way, with the same values, perceptions and expectations. Agencies responsible for disseminating warnings require a thorough understanding of the needs and characteristics of the various 'publics' or groups in their areas of responsibility. These needs and characteristics should influence the design of warning messages. For example:

- People have a variety of flood experience, exposure to flooding of different severities and financial or emotional 'stake' in the flood-prone area, and they differ in a host of social factors (including age, household structure and level of familiarity with English).
- Some people have dwellings on the floodplain, others have business interests, and others again have responsibility for institutions (eg schools) or items of infrastructure.
- Some people may not have ready means to carry out protective actions eg to evacuate to safety.

It follows that different people are likely to have different information requirements and that some may face particular difficulties in either understanding and/or translating the message into appropriate action, ie in finding the intended meaning and its implications and acting upon it.

Those at risk need to know about:

- their risk,
- how they can expect to be warned,
- what sorts of responses are appropriate for them to make, and
- what to do if they need help.

It is necessary to communicate with the people at risk on these issues to ensure community requirements are fully understood and so well-informed planning can be done to meet the requirements of community members.

Special attention should be paid to identifying high-risk groups. These may be defined by physical factors related to flooding (eg dwelling location relative to areas of high-velocity flow) or by social characteristics (eg elderly people or families without cars).

Message Construction and Content

Using Specialist Assistance

Construction of flood warning messages requires specific communication skills which may not be readily available within the emergency management agencies usually responsible for warning of impending flooding. These organisations should not hesitate to call on outside help for such specialist assistance.

The media can be particularly helpful in improving message quality. Agencies responsible for providing flood warnings will frequently be dependent on the media to relay the warning to the community. Media cooperation and support in message formulation and transmission are essential to ensure effective communication. They will help ensure that:

- messages are kept **brief** (In general, those broadcast over radio should take no longer than 60 seconds to read, additional material being covered in later messages. It is better to have several short messages, perhaps for different areas or 'groups', than a single long one. This requirement may be relaxed in very severe events requiring large-scale evacuation, when the news value of the flooding will encourage the media to focus upon it and allow more information to be carried),
- content is **ordered** (with an early description of the likely severity of the flood to seize people's attention), and
- the language used is **clear** and avoids jargon.

Persuasiveness

Messages which are intended to **persuade** people to act need to present information or data, but they also need to arouse some emotion or feeling. Reactions generated by flood warnings can include disbelief, boredom, anxiety, fear or even excitement. Many warnings, though, fail to generate any feelings or interest at all; indeed they are often ignored completely (Pfister, 2002). This suggests that they have failed to 'break through' to people's consciousness: indeed some do not realise that a warning message they have heard was in fact such a message.

Receiving a warning and facing imminent flooding, some people also report a sense of powerlessness associated with an inability to decide what to do (Maitland, 2008). Flood warning messages have a role in overcoming the indecisiveness they feel in relation to taking action.

To overcome these problems, flood warning messages should be delivered in ways which are purposefully designed to **motivate** or arouse. This can be done by the use of 'arresting' language, or by having messages accompanied by a siren or alarm sound (the use of the Standard Emergency Warning Signal, SEWS, is appropriate in this context, at least when severe flooding necessitating evacuation is developing).

While those designing messages are sometimes concerned about causing inappropriate concern or 'panic', this is rarely a problem. The bigger problem is almost always one of overcoming 'torpor' on behalf of those at risk and persuading them to take appropriate action and in an appropriate time frame. Flood warnings must grab people's attention as a prerequisite to convincing them of a need to act.

Comprehension

Messages must be able to be **comprehended** by the target audience. Those at risk cannot be expected to respond appropriately if they do not understand the terms used in the message. Research shows that even apparently straightforward terms like 'flash flooding' can convey a wide variety of meanings. Some terms are simply not understood by lay people and are frequently used under a wide range of meanings even by specialists. Using simple, non-technical, user-friendly language helps avoid these problems.

Experience shows that people often fail to realise that a warning message applies to **them** personally. The liberal use in messages of the names of places or localities to which a warning applies (and in which a coming flood will have consequences) is effective in helping people to recognise the relevance of a message to their own circumstances. One way of achieving this is to refer to flooding on a river reach from the upstream edge of the relevant gauge reference area (using the relevant locality name) to the downstream edge (also named).

Tone

The **tone** of messages is important. As far as possible, messages should:

- be **positive** rather than negative, saying what to do rather than what not to do (eg, '*Stay at home*' rather than '*Don't leave your home*'),
- suggest **action** rather than inaction: '*Raise your belongings*', encourages definite action,
- invite **sociability** rather than isolation. Social interaction is part of the process of message confirmation, and messages like '*Advise your neighbours*' or '*Check to see whether your neighbours need help*' encourage sociability and help ensure people are assisted where necessary and also in touch with others,

- be **vivid**. The message should arouse emotional interest and be easy for those at risk to relate to their own situations, eg *'Avoid walking or driving into the floodwaters because these are the main causes of death during floods'* will help attract attention by noting a possible cost. If evacuation is sought, it is legitimate to describe the possible negative consequences of over-floor inundation thus: *'To stay in your house is likely to become difficult, uncomfortable and dangerous because the telephone, power and water supply could fail and snakes, spiders and insects may gain entry'*.
- **connect flood consequences with suggested actions** eg *'Farmland near the river will be inundated and farmers should consider relocating pumps, other equipment and livestock'.*

Avoiding Confusion

Much flood warning is done using broadcast radio, and experience has shown that people easily confuse the various numbers they hear in a warning message. Thus current gauge heights may be confused with predicted heights, and the heights provided for different gauges may become mixed up in people's minds. It is nevertheless desirable that both current and predicted heights are broadcast so that people can gain an idea of the difference between present and expected future river levels.

The solution to the problem of number confusion is to restrict the use of numbers **in individual messages** to a minimum, for example by restricting the content of individual warning messages to the reference area for a single gauge. This may mean that there will need to be several messages to cover a number of predictions on a river, but it will help maintain simplicity and help avoid confusion.

It will also keep the messages short. Long messages which make many points are not likely to be well absorbed by listeners. Therefore, many short messages containing manageable amounts of information are preferable to a smaller number of long messages containing so much information that people 'lose' large amounts of it. Short messages are also more likely to be broadcast in full and repeatedly by radio stations: they are more 'station-friendly'.

Discussions with floodplain residents also show that they can be confused and frustrated by the use of terms such as minor, moderate and major flooding. **By themselves**, these terms and their formal definitions (see Figure 6) are not well understood in the community, and they are often thought to be vague, unhelpful and even annoying. They therefore are not persuasive on their own as descriptors of flood severity.

It should be noted here that these terms were introduced during the 1970s as 'shorthand' terms to describe the likely severity of a developing flood. In this context a legitimate goal of flood warning practice might be, as flood intelligence records become sufficiently well developed, to use the intelligence to replace or at least qualify the terms in warning messages. In many areas in Australia the flood intelligence is well up to the standard at which this is possible.

Using flood intelligence to define the likely consequences and referring to them explicitly (even in a general sense by referring to 'low-lying farmland' and 'local roads' in nominated localities) will help message-writers to give context to the use of the terms 'minor flooding', 'moderate flooding' and 'major flooding'. Where impacts can be noted specifically (eg the expected closure of an individual road or the inundation of a particular part of a town), every effort should be made to do so. In short the words 'minor', 'moderate' and major' should not be used without additional information to describe, at least in broad terms (and more specifically if possible), the actual flood effects (eg road closure, farmland inundation, levee overtopping) which are anticipated.

Designing Messages Outside Flood Time

In most flood situations, the time available for constructing warning messages is short and it is difficult to ensure quality of communication. This means that warning messages constructed as a flood is developing tend to lack specificity of information, do not achieve the appropriate tone and cause confusion. One means of overcoming this problem is for those responsible for devising messages to produce 'template' messages **out of flood time**, using flood intelligence to indicate likely impacts for floods of different severities and seeking to communicate with different subsets of the community. This allows consideration of style issues, content, tone, terminology and completeness and provides models from which real messages can be constructed by editing the template messages during flood operations.

Such messages have been developed in New South Wales for the reference areas of many gauges for which flood predictions are issued. For each reference area, several messages have been prepared covering a range of flood levels in 'height bands' from nuisance flooding to events which will exceed the greatest heights recorded in the past. There are up to six messages per gauge reference area. In general, more information needs to be included in messages when very big floods are predicted, especially because of the need to advise people about how to evacuate (ie what to do before and on leaving, what to take, where the evacuation centres are located and what routes to take, what to do with pets, etc).

Once flooding is actually predicted there is scope to incorporate information specific to the time of release (such as information on what has already happened) and to fine-tune messages to fit the precise height of the prediction. Operations staff must edit the template drafts quickly and efficiently: on no account should a template be sent without being checked for relevance to the current and prospective situation.

Developing these template messages has helped operations staff to comprehend the flood problems of their areas and to deal more quickly and efficiently with the warning task once a coming flood has been detected. They have helped to save time in issuing warning messages to radio stations, and the quality of the real-time communication has improved. Some examples are provided in Tables 4 and 5 for the Macksville area, on the Nambucca River on the north coast of New South Wales.

Table 4: Example Warning Message for Minor Flooding in the Macksville Area

Warning of Minor Flooding at Macksville and in Nearby Areas

The Bureau of Meteorology has predicted that flooding will reach/exceed **[delete one]** [1.7-2.0] metres **[insert predicted height]** at the Princess St gauge, Macksville, at **[time, day].** This will cause minor flooding along the Nambucca River. At this height, low-lying areas near the river will be inundated from about Wirrimbi and Congarinni to Nambucca Heads and along Warrell Creek. The consequences are likely to be as follows:

- Farmland near the river will be inundated. Farmers should take the necessary action to protect pumps and other equipment and move livestock.
- Road surfaces may be damaged, and people should avoid driving through floodwaters. Entering floodwaters is the most common cause of death during floods.
- Water may flood yards and under-floor areas in Kings Point and North Macksville. Residents should secure items in garages and outdoors to prevent them from floating away.

[Note for Operations centre staff: a short section here on known current effects, including road closures, would be appropriate. Care should be taken not to predict effects which have already occurred]

Messages for Flash Flood Situations

The practice of setting up messages **before** flooding occurs is especially valuable when warnings of flash flooding are being considered. In flash flooding environments it is probable that **any** warning messages will need to be constructed beforehand because there will be insufficient time to design them once the rain event has begun. Such messages will have a largely generic content, with reference being made to:

- the rain that has already fallen,
- the potential for further rain, as indicated in weather forecasts,
- the areas of greatest risk (low-lying areas especially if near creeks or drains), and
- what people should do to protect their property (by raising it in situ onto tables, beds and benches) and preserve their safety (either by staying or leaving, as appropriate to the local environment, but recognising the dangers of evacuating through fast-flowing or deep water). Where such conditions exist or are imminent it is usually wise to recommend that people stay rather than leave.

Table 5: Example Warning Message for Major Flooding in the Macksville Area

Warning of Major Flooding at Macksville and in Nearby Areas

The Bureau of Meteorology has predicted that flooding will reach/exceed **[delete one] [2.6-3.0]** metres **[insert predicted height]** at the Princess St gauge, Macksville, at **[time, day]**. This will cause major flooding.

At the forecast height, large areas of the Nambucca River valley will be inundated from upstream of Macksville to Nambucca Heads. Many roads will be closed, large areas of farmland will be inundated, and low-lying areas of Macksville will be flooded as water enters North Macksville, Kings Point, East Macksville and Nambucca Heads.

This is likely to be the most serious flood experienced in the Macksville area since May 1977, when a peak of 2.65 metres occurred/ March 1974, when the peak was 2.95 metres **[delete one]**.

It is critical to understand the potential danger which this flood poses. Houses and roads in low-lying parts of the main business area **[over-floor inundation begins at 2.3 metres]**, Kings Point **[over-floor inundation begins at 2.5 metres]** and North and East Macksville **[over-floor inundation begins at 2.8 metres] [delete cases above the predicted level]** will be flooded, water entering houses and shops.

People in Kings Point, the Macksville Central Business District and North and East Macksville **[delete as appropriate]** are urged to prepare as quickly as possible to evacuate. They should:

- raise as many household and business items as possible onto beds, benches and tables, putting electrical items on top,
- gather together valuables and personal items such as family memorabilia, photograph albums, heirlooms and important papers. These should be taken in your car along with spare clothes and essential medicines, or packed in a suitcase if you need transport.

Advice on evacuation will follow in the next bulletin within 15 minutes.

Using pre-designed messages in flash flooding environments can be triggered by:

- decision rules determined beforehand (eg threshold rainfalls exceeded, with further heavy rain forecast), the messages going automatically to radio stations when the appropriate conditions are fulfilled, or

- a person determining the environment is ripe for flash flooding and providing a message to the radio stations: this requires the responsible person (who could be a member of a prediction agency or a response agency) being prepared to take a risk in a situation where the possibility of error is high.

It should be recognised that such messages will increase the likelihood that useful information will reach the community in these environments in time for actions to be undertaken. Even very small quantities of warning time, amounting to only several minutes, can be valuable in areas in which flash flooding occurs.

Word Pictures

The message should say **what is expected to happen** and **when it will occur**; and indicate **how people should act**. It is also useful, subject to space constraints, to describe the flood and indicate what is happening currently.

In its description, the message needs to go beyond merely specifying predicted gauge heights and using the terms 'minor', 'moderate' and 'major' to identify the flood's likely severity. It needs to create a 'word picture' that attracts the listener's attention by describing what is likely to happen.

Instead of simply saying, *'A major flood of N metres on the town gauge is expected to arrive at time Y'*, a word picture would describe what the flood will look like, with an emphasis on the likely impact as it relates to people. For example: *'Serious flooding, reaching N metres on the town gauge at P [location] is expected by midday on Thursday. Houses in A and B streets could be inundated over their floors, river flats between X and Y will be flooded and the Z bridge across the river will be closed'*.

This approach is particularly useful with floods predicted to reach extreme levels significantly above the threshold of major flooding, or where the effects are likely to be very serious (eg where there will be fast-flowing water across roads). A message might say something like: *'This flood has the potential to wash cars off roads and kill people'*.

Such messages must include an **action statement** – in this case not to attempt to drive through the floodwaters. In other messages, the action statement may relate to the need to use particular routes to avoid travelling through floodwaters, to lift or relocate belongings in advance of floodwaters arriving, to stock up on food and other essentials before isolation occurs, or to evacuate by a certain route by a specified time.

It is important to note that the examples given above are forward-looking, that is, they seek to **predict** the effects of the flood (just as prediction agencies forecast its height) and derive action statements from an understanding of the prediction. Flood warning messages or bulletins may also carry information on what has already happened, eg: *'The road from X to Y is closed at Z bridge'*.

Thus actual, current impacts should be included as well as likely or certain future ones provided that care is taken to ensure that what has happened and what is likely to happen can be differentiated. Effective flood intelligence records (and effective relaying of data from the field to the operations centre during a flood) will help here. As far as future flood effects are concerned, all listed effects up to the flood height predicted can be expected to occur, broadly speaking, in the sequence indicated on the flood intelligence record, and the message can be written from the information contained therein.

It is sometimes necessary to forestall inappropriate responses by indicating what the flood will **not** do. A message might note, for example: *'At the predicted height, the flood will not enter the town of X'*.

Almost always, it is appropriate to issue more than a single message at a particular time during a flood. Standardised message formats offer some advantages, particularly in terms of generalised messages intended for whole communities. However, such messages are unlikely to be appropriate to the requirements of all community members. A workable approach would be to prepare a number of messages with the needs of particular subsets of the community in mind (eg farmers, operators of Central Business District premises, people who will need to evacuate) as well as general ones for mass communication purposes. This will increase the relevance of the communication, from the standpoint of the recipients of warning messages, and help increase persuasiveness.

Using Benchmarks

The comprehension and persuasiveness of a warning message can be enhanced by referring to recent and/or extreme events and comparing the impending flood with specified floods of the past. Statements like, *'This flood will be similar to the flood of 1989'*, or, *'This flood is expected to be significantly more severe than (or half a metre higher than) the flood of 1989'*, help tap into the 'community memory' of flooding. In doing so, they help people to assess the severity of the coming flood, or to ask questions of those who witnessed the event referred to.

If minor floods are to be used as benchmarks, it is important that they be **recent** ones. Otherwise they will not be remembered. Severe events from longer ago will be recalled by some, however.

Record floods which occurred in the very distant past can also be used even though they will not be remembered in the literal sense by present community members. In some areas such floods are understood to have been important in history and some people are likely to have heard of them and have some understanding of what a repeat will mean. If a coming flood is comparable with (or likely to be worse than) the worst ever known at a location, the comparison will help reinforce the seriousness with which it should be taken.

Dealing with Uncertainty

Inevitably, predictions of flood heights and flood consequences involve an element of uncertainty. This is likely to be particularly true of predictions which are issued early in a flood event when the likely eventual severity is difficult to ascertain (perhaps because the rain event is not yet over). The existence of such uncertainty should influence message design.

Words like '*may*', 'probably' and '*likely*' can be used to describe potential impacts. **It is preferable to use words such as these rather than remaining silent about possible consequences merely because those who formulate the warning message are not completely certain about what will happen.**

Despite the existence of uncertainty, a warning should contain a message about what people should be prepared to do. This is preferable to providing advice only in a later warning when the uncertainty has disappeared. **To wait before providing any advice is likely to encourage responses which are too late to be effective.**

One consequence of the uncertainty which attends the need to look forward is that messages will, in some instances, be shown to have been inaccurate in the information provided and the actions recommended. Warnings may be given of floods which do not eventuate or which do not reach the gauge heights expected. While this can create some problems, agencies should not exaggerate the consequences of 'false alarms' or 'over-warning'. Rather, it should be recognised that the costs incurred by such warnings are usually limited, and that these costs will be strongly outweighed by the benefits which will accrue when flooding does occur or matches the severity predicted.

In any case, the so-called 'cry wolf' problem can be used to raise flood awareness and to create opportunities to check that operational procedures and links to radio stations are working effectively. Over-warning should never be practised deliberately, but when it does occur the situation should be explained as quickly as possible to the community through the media, in specially-called public meetings or in discussions with particular groups. An explanation given as soon as possible will help ensure system credibility is retained and will maximise the opportunity to turn a negative into a positive.

CHAPTER 6

Communicating Flood Warnings

In a Nutshell…

Those at risk from flooding will be unable to take appropriate protective action unless they are advised about coming floods and the impacts that are likely to affect them, and are encouraged to take actions in response and in appropriate time frames.

Message dissemination involves transferring warning information to those at risk in ways that are likely to elicit appropriate responses.

Warning messages should be communicated by:

- ***a wide variety of modes, ranging from radio announcements to doorknocking and from newspapers to personal telephone calls and emails, with more modes being utilised in severe floods than in lesser ones,***
- ***selecting modes which are appropriate to the nature of the flood problem and the community at risk, and***
- ***adopting and changing delivery modes as technology develops.***

The critical issues are:

- ***identifying the appropriate communication dissemination modes for different target audiences,***
- ***ensuring the consistency of the message is maintained when different dissemination modes are used to create redundancy, and***
- ***ensuring those at risk receive and can confirm the warning.***

Introduction

The best predictions, the best interpretive material and the best warning messages are of little value if they have no impact on damages or safety. Failure is guaranteed if warning messages based on flood predictions and interpretations of them are not conveyed effectively to those expected to respond. In essence, a warning which is not communicated effectively is no warning at all: if it is not heard or understood, it cannot be heeded.

Warning communication occurs between:

- key stakeholder agencies. These communications, conducted during floods, form the main conduits for information needed for operational decision making.

- between emergency service organisations with flood warning responsibilities and the people whose interests are threatened by flooding. The communication must occur in a manner which is designed to obtain appropriate responses from those who are at risk and which does so in a timely fashion. In different flood circumstances, and when there are different target audiences, different dissemination methods will be necessary.

Rapid advances in electronic communications and their adoption by the general public have broadened the options available to warn members of the public. Technological advances now enable many of those at risk to receive a standard message and/or a personalised telephone call, and/or to gain access to information through the internet. In using these new methods, agencies charged with disseminating flood warnings may need to obtain specialist advice, for example in relation to the transmission of information by graphical means or to ensure that the language used attracts the attention of recipients (see Chapter 5 on **Persuasiveness**, **Comprehension** and **Tone** in relation to messages).

General and Specific Warnings

Warning messages provide to community members can be classified as 'general' or 'specific'. The distinction relates to the target audience.

- **General** warnings are disseminated ('broadcast') to whole communities or regions.
- **Specific** warnings are intended for individuals or parts of communities, and reflect the need for 'narrowcasting' to specific audiences who may have specific characteristics or be at different kinds of risk.

Types and Modes of Dissemination

Dissemination channels or modes also fall loosely into two categories, which align with the different categories of warning message noted above.

- General modes are mainly represented by the mass (broadcast) media, and increasingly the internet, and seek to communicate with whole populations.
- Specific modes provide warnings to particular householders, businesses, primary producers or other clearly identifiable individuals, groups or organisations.

In general in Australian flood management, a strong reliance is placed on general warnings and on the use of broadcast modes. There remains considerable scope for expansion in the use of specific warnings targeted to subsets of communities.

The two categories should be seen as complementary. Specific warnings serve to reinforce and confirm the general warnings typically available early in a developing flood, or to provide particular information of relevance to only some members of a flood-liable community.

In most floods, both types of mode should be used, partly because doing so will increase the likelihood of the message getting through. Even in minor floods, which often only affect farmers, it is legitimate to convey warnings by the broadcast media and also by telephone to individuals who will then alert neighbours. As a rule, however, use of specific modes is likely to be greater for the more severe events, additional 'layers' of warning methods being used in the bigger floods.

There is now a wide range of dissemination modes available. Figure 7 gives a number of the major modes available, listing them in terms of their suitability in circumstances involving different amounts of warning time. An extended list of modes is provided in Table 6 at the end of this chapter along with a brief indication of the advantages and disadvantages of each mode.

The Media

The broadcast media offer significant benefits for disseminating general messages. The media offer an essentially free channel and, in many cases, provide the only way to achieve rapid message dissemination to large and diverse audiences.

Both the electronic broadcast and print media offer avenues, as floods are developing, for raising the awareness of those at risk and advising them about appropriate actions to take to protect their interests. If time is available newspapers can publish the actual gauge heights at which areas, sites or installations would be inundated along with flood action guides to help generate appropriate responses. To do this requires high-quality flood intelligence, including spot heights. Printing excerpts of the flood intelligence record for a town will indicate the areas expected to be inundated at particular heights on the local gauge, enabling people to assess their own risks and to determine appropriate personal action strategies. Newspapers have been used to carry such information on the western plains of New South Wales where several days' warning is possible.

Newspaper and radio dissemination, in situations where both are appropriate, may have complementary strengths. If a message read over radio is misheard or misunderstood, it is lost. In contrast, newspaper reports can be read and re-read in an individual's own time. There is no need to wait for a message to be broadcast at an uncertain and possibly inconvenient time in the future. Further, much more detail can be included in a newspaper article than in most radio announcements. Newspapers lack the immediacy and speed of transmission which radio offers, but these features may not be important when warning times are long.

Frequently Used Warning Modes	
General	
More quickly disseminated	
	**Radio** message (including local community radio): break-in community announcements or interviews with flood forecasting or emergency service staff.
	Television: 'crawlers' (messages drawn across the screen) or announcements during news or ad breaks.
	Scheduled **news** bulletin: may take longer to go to air.
	The **internet** (web sites).
	Notice boards: community or tourist information boards in town centres.
	Newspapers: local or regional.
More slowly disseminated	
Specific	
More quickly disseminated	
	**Telephone** (including phone trees or cascades where each person contacted calls others), voice mail and automated mass dialling with taped or digitally-recorded messages intended to be heard by numerous households simultaneously.
	Facsimile: especially for businesses (including farms) and institutions.
	Computer links, including internet (email).
	Two-way radio: CB (Citizens' Band) or 'packet' radio.
	Loud hailers, public address systems or sirens: either mobile (on police or fire vehicles) or fixed in one place.
	Doorknocking
More slowly disseminated	

Figure 7: Available General and Specific Warning Modes

The most commonly-used mass dissemination mode is still broadcast radio. It is critical that agencies responsible for the dissemination of flood warnings develop professional relationships with radio stations and plan with them the delivery of warning messages. Negotiations need to be undertaken in relation to the:

- desired frequency of message dissemination,
- need to broadcast messages in full, without truncation or editorialising,

- need for regular, pre-announced broadcasts of warnings, as far as possible at specified standard times which listeners will get accustomed to (eg immediately after the top-of-the-hour news broadcast) and for the repetition of a message while it is current,
- circumstances in which it will be appropriate for networked programs to be interrupted and for broadcasts to emanate from a local studio and to focus principally on the flood issue. This is likely during major flood operations, for example those involving large-scale evacuations,
- need to ensure that on-air announcers are aware of the flood problem and its management. This will include educating station personnel about the nature of flood mitigation systems and the importance of careful descriptions of what is happening during a flood. It is critical that the meanings of terms like 'levee' and 'spillway' are clearly understood so that information is correctly imparted. Cases have been known of announcers speaking of levees being 'breached' when in fact spillways were operating as intended. Mistakes of this kind can produce unnecessary alarm in the community and also lead to a loss of confidence in the quality of the warning and other information being broadcast, and
- sharing of information by media organisations with emergency services. Much information now comes to media organisations by email or SMS. Thus the media is an increasingly important source of information which can be used by emergency services to update flood situations, construct warning messages or stimulate response actions.

When using the media to disseminate information, care must be taken in relation to confidentiality considerations. Some flood information which is known to flood managers and recorded in flood intelligence records should not be publicly disclosed in warning messages. Privacy laws may apply, and information which could jeopardise individual or commercial interests should not be incorporated in such warning messages.

An example relates to caravan parks, whose operators will regard the broadcasting of information about the parks' potential inundation as hostile to their interests. In such cases, warning information should be provide to caravan parks by personal communication eg by telephone and email.

Telephones

Modern telephone technology allows automated dialing of large numbers of telephones at the same time and the capacity to warn by voice mail. This technology is particularly useful if the number of households and/or premises to be contacted is large relative to the time available or sparsely situated across a large area, rendering doorknocking difficult to complete.

An increasing number of flood warning systems (eg those operating in Euroa, Benalla and Maribyrnong in Victoria) now incorporate this technology. When a flood is expected to reach a specified level (such as the height at which over-floor flooding of dwellings will occur), the relevant local council calls the nominated telephone service provider, enters an identification number and records a message to alert receivers to the situation and advise them to listen to the local community FM radio station for additional information as the flood develops.

Recipients can be grouped by street blocks or zones of addresses or by floor height relative to the key river height warning gauge so the information is targeted to those likely to experience inundation. This needs to be established during periods without flood activity. Addressees can then be grouped together, up to the capacity of the telephone exchange. The system identifies and reports on those telephones which did not answer or were engaged at the time the call was made. Those premises can then be targeted by doorknockers.

A similar system has been established for Pacific Haven (Howard) in the Hervey Bay City Council area in Queensland, where flash flooding from a billabong located off the Burrum River is a serious problem. There, alerts are set off automatically when local rain and river gauges reach nominated levels and messages are provided simultaneously by telephone to all households which could experience flooding.

Automated dialing systems have wide applicability and can be used in many types of flood environment. They are particularly suited to alerting people in situations in which there is little time available (eg flash flood environments). They are also suitable to potential cases of dam failure, in which floods will rise very quickly and to levels potentially well above human experience (and where people are not normally considered flood-liable and would not be likely to believe they would be at risk). Such technologies will help fill the awareness gap during the real time of a potential dam-failure event, although continuous education campaigns would still be needed.

The availability of technically sophisticated systems of the type described does not imply that warning information and advice cannot usefully be disseminated by more traditional uses of telephone (and facsimile) technology. At Inverell, in northern New South Wales, local negotiation has resulted in telephone calls being made, as floods rise, to the numerous business houses of the Central Business District. These are organised in bands identified by level relative to the local gauge, the lower-placed locations being called first. In numerous areas in Australia, flood bulletins produced by response agencies are sent by faxstream to flood-prone residents, especially farmers.

In many areas, organised telephone' trees' or 'cascades' are used to spread warning information about floods. In areas likely to be flooded or isolated by floodwaters, information provided by response agencies via telephone calls to selected individuals can be relayed to other individuals in the area at risk. An example is the passage of information on likely or prospective road closures to school principals, who then pass it on to staff members or the drivers of school buses.

Computer-Based Warning

Warnings and other flood information are now routinely disseminated through the internet. Web pages can be set up to provide detailed, up-to-date information in text and graphical form, incorporating historical material, details on the current threat and warnings and advice. Once such sites become established and known, media, individuals, government and commerce are able to check them on demand for warning messages and advice. To date, however, such sites have tended to be used more to advise of the activities of response agencies than to provide warnings to people at risk of flooding.

Nevertheless there is a strong trend in emergency management generally towards web-based warning and information provision. Moreover the information provided is becoming more detailed and increasingly, where relevant and possible, property-specific.

Simultaneous access via the internet by response personnel in the field (such as State Emergency Service volunteers), those living in the area at risk, those providing traffic advice or information through the media and those in response agency operations centres is possible – no matter how far apart these various interested parties might be.

Doorknocking and Contact People

Doorknocking should be carried out if radical action, including evacuation, is expected to be necessary, provided time permits and it is safe for doorknockers to operate. Doorknockers should, ideally, deliver printed material giving advice on how to prepare for and respond to the coming flood. The oral and printed messages should include information on:

- evacuation routes and evacuation centres,
- what people should do before leaving home, and
- what they should take with them.

If the number of people to be contacted is small and the doorknocking can be planned before flooding begins, local contact people ('wardens') can be used. Such people will need to have been recruited by a response agency for the task, and should be known to the residents. Normally, they will belong to the flood-prone community itself and may have previously been used as community representatives for the negotiation of flood warning services and/or circulation of educational material about flooding and flood warning services.

Specialist cases of such contact people may include Chamber of Commerce officials or managers of industrial estates who may be used to pass warnings by doorknock or telephone 'cascade' to shopkeepers and owners of industrial premises in flood-prone areas. In areas with substantial Aboriginal populations, contact with community leaders in housing cooperatives or development organisations may fulfill similar purposes. In the Kimberley region of Western Australia, the State Emergency Service operates through Community Liaison Officers to negotiate matters relating to flood warning including organising evacuations when floods are approaching.

Where the number of people to be doorknocked is large, as occurs when substantial built-up areas are facing inundation, emergency service personnel are likely to be required to carry out the task. In these instances the number of doorknockers needed may be substantial and considerable planning may be necessary if the job is to be done effectively, especially when time constraints are severe.

To be effective, doorknocking as a means of delivering flood warnings in such situations requires detailed planning. The planning needs to take into consideration:

- the areas which will need to be doorknocked,
- the circumstances under which a doorknocking operation will be necessary,
- the number of buildings which will need to be attended to,
- how long it will take to assemble and brief the doorknockers,
- how long it will take to doorknock each building,
- how long each doorknocker or doorknocking team can work, and
- the materials the doorknockers will need to carry, usually including maps of the area they are dealing with and written copies of warning messages to hand out.

Detail on the organisation of doorknocking operations can be found in Chapter 6 of the Australian Emergency Manual **Flood Response**.

Choosing Appropriate Modes

Utilising multiple modes of dissemination increases the chance that a warning message will be both heard and believed, increasing the reliability of the warning process. It also helps to ensure that people who are unlikely to be reached by some modes will still receive the warning, and by virtue of the different communication methods employed it creates redundancy and repetition which add to message credibility.

Redundancy also provides 'insurance' against the failure of individual dissemination modes for technical or other reasons. The deficiencies and potential reasons for failure of warning methods are outlined in Table 6 at the end of this chapter.

Some of the more 'general' delivery modes, often favoured because of their simplicity where warning times are very short, have been shown to be relatively ineffective **by themselves.** This includes sirens and alarms which are not accompanied by clear voice instructions. Unless the people at risk are fully aware of what the alarm means and what they are expected to do, normal reactions are to ignore the signal or to seek additional information. Another limitation of sirens is that they will not be heard by many households, especially when their occupants are asleep. In contrast, most people hear their telephone ringing, day or night.

Not all modes are equally useful or appropriate in all circumstances, eg:

- Newspapers cannot be used to warn of rapidly-rising, short-duration floods, but they may be valuable in warning of floods approaching slowly from considerable distances.
- Doorknocking is generally inappropriate for events with little impact and, in any case, the benefits of using it in such circumstances would be outweighed by the costs it imposes in terms of resources. On the other hand, doorknocking should be used, time permitting, if evacuation is sought.
- One unfortunate characteristic of the broadcast media is that many people will not receive the warning message for some time. This is especially the case in the metropolitan areas where many broadcast channels exist. Some radio stations (those using news-talk or talkback formats, for example) will generally put any warnings to air promptly, but others may wait until a scheduled news broadcast which may cause significant delays. Television can be particularly slow and is unlikely to carry warnings except for severe events unless agreements can be reached about the use of 'crawler messages' ('pull-throughs') for particular areas of transmission. Warning messages crawled across television screens must be kept very brief.
- Different modes are more effective at different times of the day. For households, radio is best during breakfast and the morning rush hour, but its usefulness tapers off during the afternoon. Television is the more effective medium from mid-afternoon and throughout the evening. At some workplaces there may be no media coverage available.

Even when the warning is broadcast by the electronic media, there is no way of knowing who has heard the message, much less understood and believed it. It is not uncommon for people to hear only **part** of a message, not realising its relevance to them until the reading of it is nearly completed. In such cases much of the message is lost to the recipient. As noted in Chapter 5, it is important to mention place names in messages to create a sense of the locations to which a warning applies.

Specific warnings offer distinct performance advantages. They are usually more persuasive than those disseminated through the mass media. There are a number of reasons for this. People are much more likely to hear, understand and believe a message which is delivered to them **personally** (for example, by telephone or doorknock). They need to be able to relate the message to their own situation, and to be able to question and assess the credibility of the message deliverer.

The final choice of modes in particular circumstances will depend on what has to be achieved in a given time. In turn this depends on:

- warning requirements in terms of critical heights and update frequency,
- flood severity,
- available warning time,
- target audience,
- what resources are available,
- the time of day and the day of the week, and
- the required reaction.

A general principle is that in the more severe floods it is wise to use more communication channels, and to emphasise those that are specific in their targeting. The key to effective dissemination is to use, in combination, those delivery modes which most help people understand what the coming flood will mean to them. Improved understanding will provide a platform for appropriate self-protecting and damage-reducing actions to be undertaken.

Communicating with Individuals on Their Specific Flood Risk

It is increasingly possible to advise people outside of flood time about their individual flood risk, and where this is done the warnings disseminated as floods are approaching will generally be better understood. In many circumstances, people can be provided with the **actual gauge height** at which their properties will experience over-ground or over-floor inundation or at which their evacuation route will be cut. Such information can be issued as part of household-based educational initiatives, and reminders of the critical numbers can be provided when floods are rising – whether by doorknock,

by telephone or by other means. This is already done in some parts of the world, customised reports being provided to individual residential and commercial properties and indicating:

- the gauge height at which water first enters the building,
- the depth of water inside the building, outside it and at low points on evacuation routes relative to a range of gauge heights,
- suggested actions for people to take before the next flood, and
- suggested actions for different forecast flood levels as a flood is rising.

In Brisbane, Queensland, a GIS-based appreciation of the severity of an oncoming flood on the Brisbane River allows emergency managers to identify, in advance, the approximate depth of water at specific property locations. Estimates of these depths can be passed direct to the occupants of these properties as a flood is rising, as follows:

- an occupant phones a council-established 24-hour call centre and provides his/her property details, and
- information on the high and low points of the property is displayed on a computer screen and current and predicted river heights are assessed against them.

An elaboration could include the addition of floor heights so the possibility of water entering buildings can be assessed more accurately.

The Importance of Confirmation

Those initiating and delivering a warning should seek to confirm that the message has been appropriately disseminated to and received by the target audiences. This can be achieved though liaison with the media and with response agencies.

Whatever the mode(s) utilised, recipients must be able to confirm the validity of the message. This is something people will frequently seek to do. Confirmation should be facilitated, as people may delay appropriate response until they have satisfied themselves the message is real and applies to them.

The need for confirmation may be satisfied by additional warnings, especially if these are from separate sources or disseminated by different modes. But total reliance on this approach is not advised.

Establishing a **Flood Information Centre** for the duration of a flood can provide a useful focus for those seeking warning confirmation or clarification and other flood-related information. Doorknockers can fulfill a similar function.

Another approach is the use of dedicated telephone numbers that provide callers with up-to-date flood information and response advice. If this number is advertised over the media, people will be encouraged to call in search of additional information or to confirm what they have heard over the radio or from other sources. Note that some numbers are free to the caller, whereas others are charged to the caller on a time basis.

The telephone confirmation service should not be provided directly through an operations centre whose personnel will need to focus on other matters.

Providing a confirmation service reduces the chance of rumours taking hold and conveys greater credibility because a particular accessible source of further information can be specified in broadcast warning messages. Such a service also helps minimise the number of telephone calls made by members of the public to response agencies.

The 'Informal' System

People's behaviour will often be influenced by other factors than 'official' flood warnings, and specifically by hearing 'informal' or 'unofficial' warnings. Typically they will assess the weather conditions for themselves: heavy, continuous rain is more likely to suggest flooding than is drizzle. Anxious friends or relatives may telephone urging them to evacuate. Alternatively, they may observe that their neighbours seem unconcerned by the warnings. All of these things may influence decisions to act or not to act.

Whatever the official channels, unofficial flood information will usually be disseminated in parallel through informal, word-of-mouth networks. Often, these will be much more extensive than the official system. A major challenge is to recognise that informal networks will persist, and to find ways of using them constructively while still maintaining a single credible source of official information. This is as important in the context of warning dissemination as it is in the context of flood prediction (see Chapter 3).

In particular, the informal system can help serve the need for confirmation. It is important to avoid a situation where the official and unofficial systems are seen to be competing with each other. Clearly recognising interactions between the official and informal systems will help avoid this problem by giving people who are not part of the official system a stake in it.

Table 6: Warning Communications Methods

Method	Description	Advantages	Disadvantages
Doorknocking	Doorknocking involves using emergency service personnel to go door to door or to groups of people to deliver a personal message	Allows for direct communication with population at risk. Allows for questions to be asked and further information to be provided Doorknockers can collect information whilst warning the community	Slow and resource intensive
Sirens/alarms	Sirens use a distinctive noise to alert affected communities. At best they have traditionally told people to seek further information unless an intensive program of public education is used to instruct people what to do when the signal sounds	Fast speed Able to reach outdoor populations	May be misunderstood, if not associated with education program regarding use Difficult to propagate sound inside buildings
Modulating electrical voltage	Modulating electrical voltage can be used to communicate through a fluctuating signal or to trigger pre-installed devices in peoples homes which would emit a warning tone or flashing light	Fast speed Potential to reach large areas	Fails if electricity fails May be misunderstood, if not associated with education program regarding use
Modulating electrical frequency	When the electrical frequency is altered warning devices can be activated, delivering a warning tone or flashing light	Fast speed Potential to reach large areas 24hr availability	Fails if electricity fails

Method	Description	Advantages	Disadvantages
Fixed and mobile public address systems	Systems either fixed or mobile which allow the communication of the amplification of a voice	Fast speed Allows for a voice message to be communicated	Difficult for people to hear a warning broadcast from a moving vehicle Announcements maybe rendered incomprehensible by distance, sound reflections or simultaneous transmission from several loud speakers at different distances Difficult for people to confirm the warning Difficult to propagate sound inside buildings
Tone Alert Radios	Tone alert radios are a device that can be remotely activated. They provide a warning signal and some types can subsequently broadcast a verbal warning message. The radio operates in a standby condition. Upon the receipt of a code the radio emits a tone and broadcasts a pre-recorded or read message. The code and message are broadcast from a radio transmitter. The radio receivers operate on normal electrical power and some have battery back-ups	Fast speed Ability to combine alerting signal with specialised messages 24hr availability Can be heard indoors	Maintenance problems Availability during power failures Limited broadcast range Difficulty using outdoors
Dial out systems	System works by having a computer database of pre-selected telephone numbers for the areas in which the warning has to be disseminated. When the system is activated the computer dials each number on the database delivering a warning message	Fast Speed: dial out occurs simultaneously to large numbers of subscribers Ability to pass voice message	People who are not near a phone will not hear the message Phones that rely on power will not work if power is disrupted Capacity of telephone system maybe inadequate to cope with the volume of calls Dependent on the phone network operating

Method	Description	Advantages	Disadvantages
SMS	SMS is sent to mobile phones to warn of emergency.	Fast Speed	People who are not near a phone will not hear the message Mobile phone needs to be switched on. Short message length Dependent on the phone network operating Database of numbers must be constantly updated
Variable message signs	Electronic programmable signs are generally used as a traffic management tool. These signs can be programmed with warning messages and simple instructions and communicated in the event of a flood	Can use solar power if mains power unavailable Effective at reaching motorists, and can focus on safety messages specific to motorists such don't drive through floodwaters	Short message length Need to be aware of the message to receive its contents
Radio	Broadcast radio provides information to the community including emergency warnings. It is one of the most regularly used methods of warning in Australia.	Fast speed Ability to communicate detailed information to large audience Capable of being battery operated	Radio must be switched on Radio broadcast often reaches areas not at risk All information must conveyed verbally Problems can arise with priorities of station management Not available if radio not battery powered during power interruptions
Television	Warnings can be broadcast over commercial television. This can be done by interrupting normal programming with a bulletin, or displaying scrolled text on the bottom of the screen. Television is particularly good at warning for slow developing events.	Ability to communicate detailed information to large audience Ability to use graphics and images Can use scrolled text in addition	Television must be turned on Broadcasts at the discretion of station Not available when power disrupted

Method	Description	Advantages	Disadvantages
Internet	Internet technology is a means of rapidly and widely disseminating warning messages. To date, warning has been via so called 'pull processes, whereby information is placed on websites, but in order to access the warnings, people must be logged in to the internet and actively browse pages.	Wide coverage Widely available	People must be logged on to the internet and actively seek warnings May be disrupted by power outages or network failures
SMS Cell Broadcasting	Cell broadcasting is an emerging technology in natural hazards warning. Cell broadcasting is an existing function of most modern digital mobile phone systems. The difference between it and SMS is that SMS can only distribute messages one-at-a-time, whereas Cell Broadcasting allows simultaneous transmission of messages.	Claimed that networking overloading avoided Very fast speed to reach large audience Can be used in a geo-specific manner by selecting which cells receive the broadcast	People who are not near a phone will not hear the message Short message length Dependent on the phone network operating Database of numbers must be constantly updated Existing mobile phone users might have to have this feature switched on for their handset Privacy issues relating to mass spamming of phones
Email	Email is a widely used communications medium	Fast distribution to wide audience Widely available	People must be logged on to the internet and actively seek warnings May be disrupted by power outages or network failures Requires the maintenance of a list of email addresses Users change email addresses relatively frequently

Method	Description	Advantages	Disadvantages
Newspapers	Newspapers can communicate warnings textually and graphically to audiences	Widely available Wide audience coverage Available on the internet Can use graphics and text Can present large amounts of information	Printed newspaper are slow to reach their audience
Community Wardens and Telephone Systems	Members of the community can be appointed as flood wardens to warn their local communities	They involve local people Recipients are more likely to believe a warning issued by a local warden whom they know Local wardens can take over the maintenance of contact details Wardens can supply information to emergency services	Reliance on community members to warn the public can sometimes be prone to failure – it is important to ensure the system is robust and has backups Warning schemes need maintaining In low risk areas it is often difficult to get volunteers and maintain commitment In some areas community spirit is lower and people don't want to get involved

Source: Molino et al (2002).

CHAPTER 7

System Review and Improvement

In a Nutshell…

System review involves critical examination of some or all aspects of the flood warning system with the aim of improving performance.

System review is needed to:

- ***maintain warning system performance and reliability,***
- ***ensure the lessons from operational experience are not lost, and***
- ***ensure account is taken of changing conditions in the catchment and the river, in the communication and other technologies available and in the communities at risk.***

Reviews range from informal exchanges through to formal public meetings. The people at risk are important stakeholders in the warning system who should be encouraged to meet and discuss system performance and ways of improving it.

The critical issues are to ensure:

- ***reviews move beyond ritualistic 'back-patting' or blame-shifting exercises,***
- ***organisations involved in the flood warning system are able to discuss criticisms and problems in a constructive and comprehensive manner,***
- ***recommendations are acted on, and***
- ***reviews contribute to the improvement of the system.***

Introduction

Flood warning systems need regular attention to ensure they will function as intended and to continue to improve their performance. System review should occur at different levels and, where possible, performance indicators should be devised so system effectiveness can be assessed objectively.

There are two levels at which review should be undertaken. These are:

- the strategic level, where the relevant Flood Warning Consultative Committee or its equivalent should be involved, along with local government; and
- the operational level, at which individual agencies examine the performance of their own functions (including performance in terms of the reactions of community members to warning messages) and their interaction with other stakeholder agencies.

A key point about the review process is that all relevant agencies should be involved to ensure organisational changes can be implemented. Similarly, the process must be open to input from the flood-affected community, members of which are likely to have ideas about how warning systems and services can be more effectively implemented. The views of community members are essential to improving warning systems, and people should be actively encouraged to put forward their opinions on system performance and ways to improve it.

Considerations for Review Processes

Reviews of flood warning systems may fall short of their ideal objective for a range of reasons. Often:

- they are ritualistic, being carried out because they are a requirement rather than because improvements are recognised as being possible and necessary,
- participants have not thought constructively about why they are having a review,
- the main aim of the participants is to shift blame for operational shortcomings to another agency,
- participants make no attempt to get beyond organisational 'position' statements, or
- the review is a mutual 'back-patting' or public relations exercise.

Reviews should be held as soon as possible after a flood, in which the warning system will have been tested operationally. The review process provides an opportunity to examine critically whether the system is meeting its aims, and how each part it is functioning.

Reviews should not be limited to identifying successes or failures. They should also pinpoint weaknesses in performance and prediction or reliability that could lead to failure, or areas where performance can be improved.

Reviews should cover both the technical and non-technical elements of the flood warning system. The performance of the **prediction system** should be examined, for two reasons:

- to help improve and possibly re-calibrate flood prediction models based on the lessons of the flood, and
- to ensure any problems which might have been experienced in communicating and interpreting predictions are identified and rectified.

Post-flood reviews of the system's performance should also be aimed at finding out whether aspects such as **data collection** and **communication networks** could be improved. **Flood intelligence systems** should also be examined, with a view to updating and modifying the data records, adding new information and ensuring changes in the characteristics of flooding are appropriately

incorporated. In doing this, specialist interpretation may be needed to explain differences in flood behaviour in different events. The effectiveness of the data collection and collation procedures which 'feed' flood intelligence systems should also be checked and steps taken to rectify any deficiencies.

Where flood studies have been undertaken, the review process should compare their assumptions and the results of their modelling components with actual flood data to refine the accuracy of forecasting models.

Where they are used, the levels which are taken to denote 'minor flooding', 'moderate flooding' and 'major flooding' should be reviewed periodically to ensure that the defined gauge heights adequately note the nature of the flooding described by the terms (for definitions of minor, moderate and major flooding, see Chapter 4). Periodically there will be a need to alter the levels, some of which have not been reviewed since the 1970s.

What Can Go Wrong if Reviews are not Held: an Example

A case at Narromine, in New South Wales, indicates why reviews are necessary. The original 'minor flood' level was set during the 1970s as the height on the local gauge at which a low-level bridge connecting two parts of the community would close. Later, the bridge was replaced by a higher-level structure, but the 'minor flood' level was not reviewed until after 2000. The result was that the prediction agency continued to issue flood predictions, but these were no longer appropriate. The community received unnecessary warnings of very small river rises, contributing to some loss of confidence locally in the warning service provided since warnings were being received of events of little consequence.

Given that such environmental change is common, reviews of flood classification levels should be undertaken periodically. Yet many flood classification levels around Australia appear not to have been queried for years for their continuing meaning and relevance.

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Reviews should include investigation of the **content** and **delivery** of the flood warning messages, posing the following questions (eg at public meetings):

- Did the target audience receive the warnings in time?
- Did they understand the warning messages?
- Were their responses appropriate? If not, why not?
- What evidence is there for the answers to these questions?

Reviews should also be held when **technological**, **environmental** or **organisational changes** occur. Typically, technological change in relation to the prediction function affects rain and stream monitoring and hydrological prediction methods, and ideally the adoption of improved technologies should lead to greater system reliability and better predictions. But the promise of such improvements may not be fulfilled if the rest of the system is not ready for them or is unable to incorporate them effectively.

Environmental change generally refers to changes in catchment or stream channel conditions which may alter runoff and streamflow characteristics. These changes may be largely natural in origin, occurring as a result of landslides, bushfires, and major stream channel alterations. Some, however, may be the direct result of human activity, including land use changes, the clearing of natural vegetation, construction of new bridges or raising of causeways. All of these can alter the behaviour and impact of floodwaters. The assessment of the likely impacts of such changes should be carried out by agencies with the requisite skills and entries to flood intelligence records altered accordingly.

Organisational change is also important. Staff turnover, alterations to telephone numbers and changes to procedures and priorities within organisations will occur, and the impacts of these things on the operation of warning systems need to be assessed. The potential costs of not taking note of such changes can be illustrated by an actual case in which a local radio station experienced a change of ownership and orientation and had its studios relocated. When a severe flood occurred soon afterwards, the station was not ready to play the crucial role expected of it in the warning process. This example shows the importance of regular liaison between radio stations and key flood response agencies.

Even if the system has not been activated and there have been no significant changes to the context in which it functions, reviews should be held **regularly**. This is to remind the stakeholders of their roles and to ensure changes do not take warning system participants by surprise. Test exercising of the warning system can be useful here.

It is not possible to be prescriptive about how often reviews should be held. This is partly because most reviews will test **parts** of the warning system rather than the whole. Reviews of some sort should always be going on, however, with major system-wide reviews involving several agencies being undertaken at least occasionally.

Developing Performance Indicators

One way of formalising the review process and overcoming the problems noted above is to develop indicators of system performance. This is best done by breaking the system down into functions and components and rating performance in each element. Audits should be done regularly and on a range of areal scales, eg for specific locations such as towns, for whole river reaches (the reference areas of particular gauges), and for whole catchments.

Key performance indicators may include such things as prediction accuracy and timeliness, the percentage of those who were intended to evacuate who actually did so, and evidence of community acceptance and comprehension of the warnings that were disseminated (on this measure, information could be obtained from community meetings held soon after a flood). As in all reviews of the performance of management systems, the goal of continuous improvement should be the driving force.

A useful framework for reviewing the performance of flood warning systems and the services they provide may be found in Parker and Neil (1990). Table 7 provides a checklist based on the elements of the total warning system as set out in this Guide. Agencies responsible for the various components of flood warning systems should develop appropriate Key Performance Indicators (KPIs) relevant to the components for which they are responsible.

Table 7: A Framework for Monitoring Total Flood Warning System Performance

Component	Factors affecting performance during floods	Activities to improve performance between floods	KPI
Prediction	Clear understanding of prediction needs.	Improve hydrological prediction models.	
	Early advice of potential flood producing rainfall.	Maintain and improve data collection system.	
	Adequate network density.	Increase network density.	
	Data collection technology robust, reliable, timely, etc.	Improve routine catchment monitoring capability.	
	On-line data management system streamlined.	Improve meteorological forecasting input to system.	
	Accuracy and timeliness of river predictions.	Refine prediction requirements.	
	Good communication between prediction agency and recipients.		
	Good cooperation between official and other prediction agencies and groups.		
	Good communication of uncertainty.		

Component	Factors affecting performance during floods	Activities to improve performance between floods	KPI
Interpretation	Quality and detail of available flood intelligence. Collection of flood intelligence. State of preparedness of agency receiving prediction.	Work with the community to determine data required. Undertake detailed flood studies to improve understanding of flood impacts. Develop floodplain mapping. Prepare flood intelligence storage system. Prepare system for collecting data for next flood. Collect flood damage information.	
Message construction	Knowledge of the physical characteristics of the flood problem. Knowledge of the characteristics of the at-risk population. Extent to which messages met criteria in checklist.	Improve understanding of the flood characteristics of the area. Improve understanding of population characteristics. Work with community to improve message targeting and design.	
Communication	Use of appropriate dissemination mode(s) Ability of those at risk to confirm warning. Appropriate mix of general and specific warnings.	Establish flood information centres. Provide facilities to allow confirmation of message. Work with community to improve communication.	
Response	Appropriateness of actions taken by response agencies and individuals. Extent to which response plan was followed. Feedback within system.	Prepare/improve flood response plan. Rehearse response plan. Improve inter-agency liaison.	
Review		Undertake review at both policy-making and operational levels, establishing review panels and guidelines. Review all elements of the total system after an event. Ensure recommendations from review feed back into agency plans.	

CHAPTER 8

Conclusion

This manual has described a set of 'best practices' to aid flood warning endeavours in Australia. In essence, the flood warning task can be boiled down to five questions, each of which has been examined in detail in the preceding chapters. These questions are as follows:

- How high will the flood reach, and when? (Chapter 3).
- Where will the water go at the predicted height, and who and what will be affected? (Chapter 4).
- What information and advice do the people affected by the flooding need to respond effectively? (Chapter 5).
- How can the people affected by the flooding best be given the appropriate information? (Chapter 6).

If flood managers ask and respond to these questions in 'quiet time', and again in the lead-up to a flood, **and** they have developed and implemented appropriate client-focused warning systems beforehand (Chapter 2), high-quality warnings can be provided to communities at risk. Rigorous post-flood reviews of warning systems and their operation, together with continuing public consultation (Chapter 7), will maintain and improve warning quality.

A concerted effort at carrying out all of these activities will maximise the opportunities to manage the impacts of floods in terms of the safety of individuals and their ability to protect their lives and property.

Acronyms and Glossary

AEP: Annual Exceedence Probability
The chance, expressed as a percentage, of a flood equalling or exceeding a given size (usually measured as the peak height recorded at a gauge) each year. A 1% AEP flood has that chance of occurring or being exceeded at a given location in any year.

AHD: Australian Height Datum
A base level for measurement, set at mean sea level. Elevations, including flood heights at gauges, are often measured in metres AHD (mAHD). Note that not all gauges to which flood warnings apply are set to this datum.

ALERT: Automated Local Evaluation in Real Time
A system of real time reporting from rainfall and stream gauges to a central location for analysis and further dissemination.

ARI: Average Recurrence Interval
The long-term average length of time between floods of a specified size at a given location, expressed in years.

CSA: Community Service Announcement
An announcement made over the electronic media, often about emergency matters and intended to be of community benefit.

DCF: Dam Crest Flood
A flood which reaches the crest of a dam wall.

DEM: Digital Elevation Model
A gridded representation of the earth's surface showing the elevation of points relative to a datum.

Extreme Flood
A rare and usually very severe flood, greater in magnitude than the 1% AEP event and possibly approaching the magnitude of the PMF.

Floodplain
The land which may be covered by water when a river overflows its banks during a flood. The extent of a floodplain will normally be greater than the area covered in the 1% AEP flood, its ultimate extent being defined by the PMF.

GIS: Geographic Information System
A computerised database for the capture, storage, analysis and display of locationally defined information. Commonly, a GIS portrays a portion of the earth's surface in the form of a map on which information is overlaid.

GPS: Global Positioning System

A satellite-based navigational system used for determining location.

Hydraulics
The study of water flow in a river and across a floodplain and evaluation of flow characteristics such as height and velocity. This may include assessment of the effects of obstructions such as bridges and buildings on water flow and changes in the slope of the water surface during a flood.

Hydrograph
A graph depicting the change in river level or discharge over time at a particular point on a stream.

Hydrology
The study of the rainfall-runoff process as it relates to the development of flooding and the derivation of hydrographs at given locations on a river system for given floods.

IFF: Imminent Failure Flood (for a dam)
A flood which, if exceeded, will cause a dam to fail.

Prediction Agency
The agency responsible for predicting floods and flood severity.

PMF: Probable Maximum Flood
An estimation of the largest flood that could occur at a particular location. Such a flood would result from the most severe combination of meteorological and hydrological conditions as these are currently understood.

PMP: Probable Maximum Precipitation
The greatest amount of rainfall that is physically possible at a given location, according to current knowledge.

Response Agency (or Combat or Lead Agency)
The agency charged with leading community reactions to flooding. Such an agency may also have responsibility for community preparedness for flooding.

SEWS: Standard Emergency Warning Signal
A siren sound, designed for playing over the electronic media, to alert people to an emergency announcement that is about to be made.

SMS: Short Message Service
A service which allows the keying in the text of a message on a mobile phone and sent to another mobile phone.

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Australian Government
Attorney-General's Department

Flood Preparedness

MANUAL 20

AUSTRALIAN EMERGENCY MANUALS SERIES

Flood Preparedness

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Australian Emergency Manual Series

The first publication in the original Australian Emergency Manual (AEM) Series of mainly skills reference manuals was produced in 1989. In August 1996, on advice from the National Emergency Management Principles and Practice Advisory Group the AEM Series was expanded to include a more comprehensive range of emergency management principles and practice reference publications.

The AEM Series has been developed to assist in the management and delivery of support services in a disaster context. It comprises principles, strategies and actions compiled by practitioners with management and service delivery experience in a range of disaster events.

The series has been developed by a national consultative committee representing a range of State and Territory agencies involved in the delivery of support services and is sponsored by the Commonwealth Attorney-General's Department.

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Manual 2 Australian Emergency Management Arrangements
Manual 3 Australian Emergency Management Glossary
Manual 4 Australian Emergency Management Terms Thesaurus
Manual 18 Community and Personal Support Services
Manual 29 Community Development in Recovery from Disaster
Manual 15 Community Emergency Planning
Manual 27 Disaster Loss Assessment Guidelines
Manual 9 Disaster Medicine
Manual 28 Economic and Financial Aspects of Disaster Recovery
Manual 8 Emergency Catering
Manual 1 Emergency Management Concepts and Principles
Manual 23 Emergency Management Planning for Floods Affected by Dams
Manual 5 Emergency Risk Management—Applications Guide
Manual 43 Emergency Planning
Manual 11 Evacuation Planning
Manual 20 Flood Preparedness
Manual 22 Flood Response
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Manual 26 Guidelines for Psychological Services: Mental Health Practitioners Guide
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Manual 13 Health Aspects of Chemical, Biological and Radiological Hazards
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Manual 42 Managing Exercises
Manual 19 Managing the Floodplain
Manual 17 Multi-Agency Incident Management
Manual 31 Operations Centre Management
Manual 7 Planning Safer Communities—Land Use Planning for Natural Hazards
Manual 14 Post Disaster Survey and Assessment
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Manual 38 Communications
Manual 39 Flood Rescue Boat Operation
Manual 37 Four Wheel Drive Vehicle Operation
Manual 35 General and Disaster Rescue
Manual 33 Land Search Operations (refer to website http://natsar.amsa.gov.au/Manuals/index.asp.)
Manual 32 Leadership
Manual 36 Map Reading and Navigation
Manual 34 Road Accident Rescue
Manual 30 Storm and Water Damage Operations
Manual 40 Vertical Rescue

Contents

Foreword

This Guide is the result of a review of the original Australian Emergency Manual **Flood Preparedness** which was prepared in 1998-99 by a team of experienced flood planners from around Australia led by Chas Keys, then of the New South Wales State Emergency Service. The review was conducted by Andrew Gissing (Victoria State Emergency Service) and Chas Keys, with input from Allison Godber and Nicola Moore (Emergency Management Queensland), Bob Stevenson (South Australia State Emergency Service), Belinda Davies, David Webber, Catherine Moyle and Helen Halpin (New South Wales State Emergency Service), Fiona Dunk, Myles O'Reilly and Justin Murray (Victoria State Emergency Service), Mike Edwards (Victoria Department of Sustainability and Environment), Andrew Lea and Elke Browne (Tasmania State Emergency Service), Miriam Middelmann (Geoscience Australia), Neil Dufty (Molino Stewart) and Michael Cawood (Michael Cawood & Associates). All these people have considerable experience and expertise in various facets of flood preparedness.

The Guide is one of a series of manuals on flood management whose review was instigated and managed by the National Flood Risk Advisory Group, a sub-group of the Australian Emergency Management Committee. The project was coordinated by Major General Hori Howard of the Australian Council of State Emergency Services and made possible by the financial contributions of the Commonwealth Attorney-General's Department and the Australasian Fire and Emergency Service Authorities Council.

The Guide is designed for use by all those who have roles to play in preparing communities for floods, whether in lead or supporting agencies. These people will include emergency management practitioners and members of agencies and organisations that will be involved in flood response operations, including staff and volunteers in the State/Territory Emergency Service (S/TES) organisations which in most jurisdictions in Australia have a lead role in the management of floods.

The document is intended to provide broad guidance on all the important aspects of flood preparedness. It reflects considerable expertise developed over many years of flood planning and other facets of flood preparedness in the Australian states and territories.

Like the other documents in the Australian Emergency Manual Series (**Managing the Floodplain**, **Flood Warning**, **Flood Response** and **Emergency Management Planning for Floods Affected by Dams**), the Guide focuses on defining 'best practice' as this is presently understood in Australia. It does not seek to define or describe current practices, which may vary considerably between jurisdictions. Users will find it valuable to refer to the companion documents and to other documents in the Australian Emergency Manuals series.

Every attempt has been made to use neutral terminology. As a result the Guide does not use the specific terminology (for example in relation to officers, programs and management structures) or refer to the particular arrangements for flood management in the various states and territories.

Martin Studdert, AM
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CHAPTER 1

The Need for Flood Emergency Planning

In a Nutshell…

Floodplains have been developed by rivers and accordingly will be inundated by floodwaters from time to time. Flooding often has deleterious impacts on human activities and assets, but the damage that floods cause can be reduced by careful planning and management of floodplain use. The 'manageability' of flooding is enhanced by effective preparation for floods.

This preparation should be undertaken for all areas in which there is an interaction between flooding and human activities. It should involve purposeful planning for floods and the engagement and education of the members of flood-liable communities about flood risks and their management.

Flood emergency plans for particular areas should deal with the full range of types and severities of flooding which could be experienced. This includes noting the potential impacts of climate change and sea level rise.

It is necessary to determine in advance, as far as possible, what needs to be done when floods are developing and occurring. Flood-liable communities should plan now so effective actions are taken in the lead-up to, during and after the next flood.

Good flood emergency planning allows operations controllers to identify likely flood problems and proactively manage them. Without good flood emergency plans, operations controllers may be unable to identify flood problems clearly and they will be forced to react to problems as they develop without an appreciation of the most effective means of their management.

Flood preparedness also involves the engagement of the members of flood-prone communities. This engagement is necessary so that individuals understand the need to make their own preparations for flooding and have the tools to do so.

The Flood Problem in Australia

Every year, despite the beneficial environmental impacts they create, floods impose substantial economic, social and environmental costs on Australian communities through:

- direct damage to residential, commercial, educational, recreational, cultural and industrial buildings,
- damage to infrastructure,
- damage to stock, equipment and facilities (for example farm animals, machinery, commercial stock and records and other contents of buildings),

- indirect losses due to disruption of economic activity, both in areas which are inundated and in areas which are isolated,
- stress and anxiety in those affected by flooding,
- injury and death,
- polluted water supplies, and
- damage to wildlife habitats.

In terms of economic costs to the community, flooding is Australia's most damaging natural hazard. Expressing in 2009 terms the costs estimated by the Bureau of Transport Economics (2001, p35) for flooding in Australia between 1967 and 1999, floods cost approximately $420 million per annum on average. Other sources put the average annual damage at rather higher levels when estimates are expressed in current dollar terms (see, for example, Standing Committee on Agriculture and Resource Management, 2000, p xi).

In most years, a small number of deaths occur as a consequence of flooding in Australia and there have been many cases of multiple deaths in a single flood episode. Between 1788 and 1996 at least 2213 people were killed by floods in Australia. Particularly lethal floods occurred in Gundagai (New South Wales) in 1852 (89 deaths), in the Claremont area in Queensland in 1916 (65 deaths) and in Brisbane and Ipswich in 1893 (47 deaths), but several other locations or regions have recorded more than 20 deaths in a single episode of flooding (Coates, 1996).

Large numbers of people in Australia live in flood-prone areas. Approximately 170,000 residential properties are susceptible to flooding in the 100-year ARI (Average Recurrence Interval) flood (Leigh and Gissing, 2006). The number of commercial and industrial properties liable to flooding within the extent of the 100-year flood is not accurately known but would likely be measured in the tens of thousands, and the value of the agricultural, industrial, commercial, residential and public assets that are at risk is very large as is the cost of repairing or replacing infrastructure damaged or destroyed by flooding.

Of course, many more properties, sources of productive activity and critical items of infrastructure would be affected in floods bigger than the 100-year flood. It is probable that the total value of the assets at risk in Australia in Probable Maximum Flood (PMF) events – the biggest floods possible – considerably exceeds $100 billion.

The 'Manageability' of Flooding

Flooding is a highly manageable hazard where the flood risk can be defined and appropriate emergency preparedness and mitigation strategies developed. Floods happen often in Australia and, in some areas, according to a regular seasonal rhythm. Their location is predictable and there is usually some warning of their occurrence. Often it is possible to determine who will be affected and what problems will be encountered as far as warning, evacuation, property protection, rescue, resupply and other functions are concerned. Much can therefore be known about a flood and its likely consequences before it occurs. Because of this, the opportunity exists to work out in advance (ie to plan) how a flood can be best managed in the interests of maximising public safety and minimising property and other damage. This allows for the investment of money and effort in the management of flooding.

To reduce the negative impacts of flooding, many measures have been devised to help communities adjust to and live with the flood hazard. These measures have included:

- constructing levees, flood bypasses, channel improvements, detention basins and flood mitigation dams,
- instituting land use controls (such as zoning and the removal of existing buildings) and building restrictions (such as establishing minimum floor levels and raising buildings) in relation to development on flood-prone land,
- developing warning systems,
- developing response and recovery capabilities, and
- encouraging community understanding of both the flood threat and the means by which people can manage it.

While these measures rarely remove the flood risk entirely, they can modify the characteristics of flooding, alter communities in ways that reduce the impact of floodwaters and provide mechanisms that enable communities to cope better with flooding. For more detail on these measures, see Annex B of the Australian Emergency Manual **Managing the Floodplain**.

Preparing for floods through flood emergency planning, exercising and community engagement enables a proactive response to flooding to be developed. Without preparation, flood response would become primarily reactive, reducing the opportunities to respond in the optimal time frames and with maximum efficiency through warning, evacuation, rescue, property protection and other activities. The most effective flood responses are likely to be those which have been thought about and planned for in advance. Preparing properly for floods, therefore, is likely to result in increased public safety, reduced property damage and faster community recovery.

Setting the Scene

The central purpose of flood preparedness is the building of community resilience against the flood risk. This involves the agencies and organisations charged with the management of flooding, but also the people who live, work or have other interests in flood-prone areas. For flood preparatory initiatives to be effective, agencies, organisations and people must be engaged. Procedures must be developed to address the actions which will be carried out by specified agencies and organisations, but they should also deal with building the readiness and ability of people in flood-prone communities to manage their own interests when flooding occurs.

Much of the work of flood preparedness involves the development of flood emergency plans, often at different jurisdictional levels (eg local, regional and state). A flood emergency plan is often defined as a statement of intent containing an agreed set of arrangements which define the framework for the control and coordination of a flood emergency. In essence a flood emergency plan is a script detailing the progression of emergency management functions and identifying the parts each actor must play. In short, it is a 'record of intended proceedings'.

But flood emergency planning should go beyond the development of arrangements for dealing with actual episodes of flooding. It should also incorporate the activities which will be need to be developed to raise the consciousness of members of the community as far as the flood risk is concerned and to build people's ability to respond effectively in their own interests to floods.

Flood emergency planning seeks to define the roles and responsibilities of the agencies that are involved in flood management. It also outlines appropriate strategies for the carrying out of key flood management functions. Flood emergency plans consolidate working partnerships between key management agencies by ensuring that each agency listed within a plan understands and agrees to its responsibilities. Flood emergency plans should also consolidate partnerships between agencies and the members of flood-prone communities.

The scope of flood emergency plans must be holistic, by ensuring arrangements exist for coordination across the management elements of prevention, preparedness, response and recovery. Considering all these elements ensures the minimisation of the effects of flooding on the community and enhances the ability of the community to recovery from floods. Plans should also address the full range of possible flood **types** and the full range of possible **severities**, from minor or nuisance floods to events of PMF proportions where these have been established.

The interaction between a flood emergency plan and any floodplain risk management plan for an area is important and it is vital that the two documents are consistent in content. This will help ensure management of the flood risk is carried out in a holistic fashion and without confusion.

Assessments about the level and focus of the planning should be made using an emergency risk management approach incorporating formal hazard and community analyses to establish elements at risk and their associated vulnerability. These analyses will need to consider the physical characteristics of flooding in the area and the nature of the community and its assets. By adopting an emergency risk management approach, strategies can be determined as to how flood-affected communities can identify, analyse and treat their flood problems to provide solutions.

Flood emergency planning in Australia needs to note the likelihood that climate change will alter the nature of flood risk. It is becoming accepted that rises in sea level, which have already occurred and which are ongoing, will alter the flood regime in coastal and estuarine areas, making flooding both more frequent there and more severe in its impacts. Changes in rainfall intensity over much of Australia may also have the effect of making severe flooding a more frequent occurrence (Intergovernmental Panel on Climate Change, 2007).

This Guide

This Guide is not intended to be totally prescriptive and all parts of it will not be appropriate to every situation. However, it does outline a range of procedures from which individuals or organisations charged with developing flood emergency plans can select. The application of the Guide will ensure the best available management techniques have been considered in developing a flood emergency plan that will help those responsible for the operational management of floods.

The Guide sets out the means by which flood emergency planning should proceed and is thus intended to facilitate the development of such plans. The planning itself will help the community come to grips with the problems floods will create before they are actually encountered. It will do this by ensuring that management arrangements and solutions can be devised methodically and with appropriate consultation in an atmosphere free of the stresses which actual events create. The planning will also help, along with programs to educate people about their flood risk, to build the commitment of the members of flood-prone communities to managing 'their' floods when they occur. Flood preparedness includes providing people with the tools they need to stay safe and protect their interests.

Planning to handle threats is part of making sure community preparedness for those threats is developed and maintained so that community resilience is augmented. It is a fundamental principle of emergency management that communities which have thought about a problem and planned for it beforehand will be able to cope better than those which have ignored it and hoped it will never occur.

CHAPTER 2

Understanding the Risk

In a Nutshell…

To plan for floods in an area requires a comprehensive understanding of the flood threat, the community and the nature of the interaction between them. Understanding the risk involves developing a knowledge of the flood hazard and its impacts.

There is a wide range of sources and types of information which should be examined. Flood intelligence, which summarises the impacts of flooding of different severities, is a critical input to the planning process.

Flood intelligence should be continually reassessed and kept up to date. This includes collecting intelligence during actual floods and recognising that the characteristics of floodplains and communities are subject to change, affecting the impacts of flooding and the nature of the required emergency responses.

Introduction

To plan for and respond to floods in an area requires a thorough understanding of the flood risk, the community and the nature of the interaction between them. Information about flood behaviour and its effects on a community is critical to effective flood management because it provides a basis for determining how response operations should be conducted.

This chapter focuses on how an appreciation of the flood risk can be achieved, using flood intelligence (sometimes referred to as flood information) about that risk.

Flood intelligence is the product of a process of gathering and assessing information to assist in the determination of the likely effects of a flood upon a community. These effects vary with the scale of flooding, and flood intelligence is typically presented in terms of the relationship between flood severity and flood consequences.

Understanding the Flood Risk

The process of flood emergency plan preparation begins with an analysis of the area's flood risk. This appraisal must extend to full consideration of the:

- sources of flood risk,
- potential elements at risk of flooding, and
- the vulnerability of the threatened community to flooding.

Typically the appraisal will involve identifying the **sources** of risk, their **likelihood** and the evaluation of **potential consequences** in terms of impacts on the community.

The first step in defining the flood threat to a community is to establish, from a range of sources, the nature and extent of flooding in the area. The collection, assessment and collation of material associated with past and potential future floods is essential to the development of an effective flood emergency plan. Information about flood behaviour and the consequences of flooding must be built into the planning process if operational decisions are to be soundly based and warnings targeted effectively.

Some agency must take responsibility for the development of flood intelligence.

Sources of Information

The development of a flood emergency plan should be based on information from a wide range of sources that can provide material on the temporal and spatial development of floods and their consequences. Both quantitative and qualitative information should be sought although it is desirable that plans be based on as much 'hard' data as possible. This is especially so for areas with a high incidence of flooding or an unusually severe flood problem, and for rare, large events.

Food-liable communities are repositories of information about floods and their impacts, and an effort should be made to tap into their experience and knowledge of the flood hazard. A record of community experience will improve the documentation of flood history in the area and can be used to make the prospect of flooding more 'real' to people. By itself, however, community knowledge will not be sufficient even if it has been built up over a long period. This is partly because people who have lived with and responded to floods over many years are likely to be constrained by their own experiences and may be unable to contend effectively with floods which differ from or are more severe than those they have witnessed. Larger floods than these people have witnessed will inevitably occur from time to time.

Other perspectives must be included. Engineers and hydrologists will be able to bring a scientific appreciation to the definition of the hazard and to the estimation of the potential consequences of flooding of different magnitudes. If the potential flood threat includes spills or releases from dams, or the failure of dams, the expertise of dam owners and/or dam safety regulatory authorities should be sought.

Specific sources of information on flood problems could include those listed in Table 1.

Table 1: Information Sources and Availability

Information Source	Available From
Flood studies	Councils, catchment management authorities, State Emergency Service, state/territory governments, libraries
Floodplain management studies	Councils, catchment management authorities, State Emergency Service, state/territory governments, libraries
Coastal zone management studies	Councils, State Emergency Service, state/territory governments, libraries
Dam-break studies	Dam owners
Levee studies	Councils, state water and floodplain management agencies, State Emergency Service, libraries
Historical records	Councils, catchment management authorities, State Emergency Service, media, historical societies, museums, community members
Flood mitigation design studies	Councils, operators of flood mitigation schemes
Road and infrastructure design studies	Road owners
Buildings, infrastructure and people, including census information	Councils, catchment management authorities, Australian government
Community experiences	Personal histories, newspaper archives

The online Australian Flood Studies Database (www.ga.gov.au), instigated and managed by the Australian Government, provides information on flood studies undertaken nationally.

Emergency planners should be consulted when flood risk and floodplain management studies are prepared to ensure that their information requirements are met.

Information on Flooding and its Impacts

Much of the information which can be tapped will relate to past flood events, but some sources will provide estimates for floods of severities not experienced in the usually relatively short period since record-taking began. The information sought should include:

- the **types of flooding** which could occur (eg riverine, dam failure, coastal storm surge, flash flooding and, if not defined as a separate hazard, tsunami),
- **physical and geographical characteristics** of the area, including:

- the shape and extent of the floodplain (ie whether it is wide, narrow, steep, flat, well defined with identifiable benches and escarpments, etc),
    - stream characteristics (whether the watercourses are single-channelled, braided, convergent or divergent, with steep or mild bed-slopes and escarpments, etc),
    - distance from, and relative elevation of, towns or other settled areas with respect to the river, creek, lake or sea,
    - any **bridges, embankments or other flow-restricting structures**,
    - the location and nature of any **flood mitigation or control works**, and
    - the location of any **dams**, their size, details of control structures and operating rules for releases, and any known physical or structural deficiencies or potential for failure under severe flood conditions,
- **land use**, ie whether the flood-liable areas are under rural, urban, industrial, commercial, service or infrastructure uses, and the changes that are occurring with time,
- typical **pre-flood conditions**, ie weather or synoptic conditions that usually precede or lead to a flood; and times (in terms of season or month) of greatest vulnerability to or likelihood of flooding,
- **impact and severity of flooding** as indicated by areal extent at particular heights at key or referable locations and in terms of velocity of flow,
- **impacts on the community**, including the extent of community disruption as defined by:
    - number and location of properties actually flooded in historic events (and to what depths), and whether the residents were surrounded by water or experienced access difficulties at various gauge heights,
    - number of casualties or deaths recorded in past events,
    - extent to which individuals and/or communities see themselves as vulnerable to flooding,
    - access difficulties and/or isolation including road, rail and airport closures and the length of time these extend, together with estimates of likely needs for resupply,
    - duration of flooding in particular areas, including the incidence of storm water back-up and/or entrapment and drain blockages,
    - extent of preparation (or lack thereof) in past events,
    - warning (or lack thereof) in the past,

- number and location of potential evacuees in floods of different magnitudes, and
- the extent to which lifelines (eg service delivery and infrastructure support) are vulnerable to flooding,

- the **frequency of flooding of different severities**, including how often rivers or creeks breaks their banks, cause roads/bridges to be closed, flood houses and necessitate evacuations,
- **output from specialist hydraulic/hydrologic analyses** of available data to define hydrologic characteristics such as:
  - the rate of rise of floods (eg rapid rise of the order of x metres per hour initially, then slow rise to peak) and their progress (eg areas first affected, incidence and location of 'shrinking islands', identification of low points on escape routes, etc),
  - the influence (and contribution) of stormwater on the speed of rise and progress of floods,
  - the significance (if any) of backwater effects,
  - water velocities and depths (including identification of areas where velocities and/or depths are likely to be high) and their impacts,
  - timing characteristics such as the time between rain starting/stopping and the river rising for the first areas being flooded, and the time taken for floods to travel between significant and easily-referable locations,
  - the duration of floods (eg the length of time the river stayed at its peak and/or above critical levels and the time it took to drain away),
  - sources of floodwaters (sub-catchment contributions), and where relevant,
  - tidal conditions at the time of the onset and peak of the flood and the impact of tidal fluctuations on river flood conditions,
  - analysis of available data to identify **causes of floods**, in terms of:
    - rainfall characteristics (eg depth, intensity, incidence of thunderstorms),
    - seasonal characteristics (eg unusually wet/dry, winter/spring), and
    - antecedent conditions (eg flood one week earlier, rain for preceding week).
- the **thought processes which people go through** and **the tasks community members will need to perform** when floods are approaching and occurring, together with estimates of the time needed to carry the tasks out. Such tasks may include:

- relocating livestock, equipment and records,
- raising or relocating furniture, memorabilia, documents and other belongings,
- stocking up on essentials before normal access to locations of supply is lost; and/or
- evacuating to safety.

This information on the nature of flooding in an area provides the basis for developing flood intelligence records and an increased understanding of the nature and effects of flooding.

Understanding the Community

The second step in defining the flood threat is to undertake an analysis of the threatened community. This involves establishing a community profile, identifying the elements at risk and their vulnerability. The profile should be regularly reviewed to capture demographic and other community changes.

Identification of Elements at Risk

After identifying the likely extent of flooding, it will be possible to identify the elements potentially exposed and any interdependencies between elements. During this process it is important to identify any flood-prone infrastructure and to analyse any indirect consequences upon the community and other infrastructure assets as a consequence of interruption to identified elements. Each element will have an associated vulnerability which will need to be identified.

Vulnerability of People and Institutions

Some members of the community are especially susceptible to flooding because of:

- **where they live** (eg on a floodplain close to a river, creek, lake or the sea; in low-lying areas that are easily inundated; or in floodways and flow paths where water velocities may be high), and/or
- **in-built personal characteristics** which affect their ability to protect themselves appropriately from or respond to flood situations (eg age, disability, or personal beliefs about flooding). Because of such characteristics, some people require special consideration in the planning process and special assistance when a flood threatens. Others are likely to be more resilient and able to cope with less external assistance.

Some communities, or parts of them, develop effective strategies to cope with flooding because of periodic or regular exposure to it. For example, many farmers are used to and adept at handling floods because of the problems which result from occupying highly flood-prone land. The frequency of inundation of rural land alongside rivers, combined with the losses which result if stock and equipment are not moved before floodwaters arrive, give farmers an expertise generated by learning from exposure to the hazard.

Not all people who live in flood-liable locations, however, are able to develop experientially-based strategies to ensure costs are minimised. Some are only occasionally threatened by flooding and, in a highly mobile society such as Australia, many people have been in their present locations for only short periods of time. As a result they are unlikely to have experienced flooding in their current environment and may be unaware of the potential for flood events. Equally, extended periods of time between floods can lessen the risks perceived by long-term residents, particularly when urbanisation obscures the appearance of floodplains.

It is possible, using population census data and other information held by councils and state agencies, to identify the potential number and location of people in an area (or the proportion of the community's population) with special needs or requiring additional support during floods.

In general, people who belong to the following groups may be considered especially susceptible to the hazards floods pose:

- **The elderly**, especially those living alone and/or frail, who are often unable to respond quickly or without assistance,
- **The poor** (ie those with low incomes, including the unemployed and others on pensions), who tend to lack resources which would give them independence of decision making and action,
- **Single-parent families**, **large families** or **families with very young children**: these may be characterised by unfavourable adult:child ratios making evacuation difficult,
- **Those lacking access to a motor vehicle** frequently need special transport provision to facilitate escape from threatening floodwaters,
- **Newcomers** (ie those resident in their communities for only short periods), who are unlikely to appreciate the flood threat and may have difficulty understanding advice about flooding. They may need special attention in terms of threat education and communication of warnings and other information,
- **Members of Culturally and Linguistically Diverse (CALD) communities**, who need special consideration with respect to the development of preparedness strategies as well as warnings and communications during flood events. Special attention may also be needed if actions which become necessary during floods offend cultural sensitivities,
- **The ill** or **infirm** who need special consideration with respect to mobility, special needs, medications, support and 'management' to ensure they continue to receive appropriate care and information, and
- **Those whose homes are isolated by floods**, creating a potential need for medical evacuation or resupply of essential items.

Knowing where the most vulnerable people are is important when allocating appropriate resources before, during and after flood events. It will make it easier to plan effectively for floods, particularly in the contexts of hazard education, the delivery of warnings and the management of evacuation.

Vulnerability also has a **psychological** dimension. Some people are prone to deny the flood risk or to be complacent about it, some are more likely to act purposefully when floods approach than are others, and some may react irrationally during floods. Aspects of this dimension can be identified in the process of gathering flood information from the community, and it can be explored in the process of educating community members about flooding and their management of it.

This could include information on:

- the level of apathy or complacency about flooding,
- the degree of uptake of advice on property-damage mitigation and evacuation,
- the reliance on local knowledge, and
- the level of participation in flood emergency planning activities (including community education initiatives).

While an understanding of the needs of individuals and households can be sought via demographic analyses, it is also necessary to take note of the needs of **critical facilities** and **institutions**. Schools, nursing homes, senior citizens' centres, hospitals, child care centres, caravan parks, hostels, libraries, art galleries, museums, gaols, sporting facilities, business districts and industrial areas located in flood-liable areas may require attention with regard to education about the flood threat and the provision of flood warnings. They may also need help with evacuation during floods. In all cases the potential impact of flooding should be made known to the relevant managers.

Identifying Vulnerabilities of Physical Structures

The vulnerability of physical structures potentially exposed to flooding must also be assessed. The following characteristics of structures can contribute to their vulnerability:

- **Construction type**: some building materials are more susceptible to flood damage than others. Some structures on floodplains may also be raised, reducing their susceptibility to direct flood damage. Raised buildings may, however, encourage occupants to shelter within them during floods, creating a risk that they may become trapped and require resupply or rescue,
- **Age**: older structures if not well maintained may be more susceptible to direct flood damage. There may also be heritage considerations with these structures and a need to identify them as requiring property protection measures,

- **Maintenance**: poorly maintained structures are more susceptible to direct flood damage, including structural failures, and
- **Degree of flood-proofing of structures**: some structures have specific flood-proofing measures (eg flood barriers) available to them. These may help to reduce direct flood damage to the structure and its contents.

Assembling Information During Flood Time

While most of the information and data referred to above comes from studies and reports and is extracted outside flood time, it is also necessary to collect information while floods are **actually occurring**. For example, information on the impacts of flooding at different gauge heights must be collected as a flood rises; if it is not, post-flood appraisals will have to rely on potentially inconsistent and inaccurate reports to build the store of data for use during later events.

It is also useful to record how people **acted** during a flood, for example in reacting to flood warnings, in property damage mitigation activity and in evacuation behaviour. Doorknockers providing warnings in the field will often be able to provide insights on these issues.

Flood consequence information can be gathered by recording observed impacts at particular locations at specified times. A hydrograph for the appropriate flood warning gauge will then allow the matching of consequences to flood heights. A flood intelligence collection sheet can be used to assist with this process: see Annex A for an example.

When collecting flood observations, it is useful to consider:

- video footage, photographs and remote sensing as useful ways of recording observations. Note that the time and location of the imagery must be recorded,
- the recording of effects that are **not** occurring (for example, low points on roads which are not yet covered with water) as well as effects that **are** occurring,
- means of ensuring that all operational information is captured. Often valuable information is collected on whiteboards, but is lost when boards are cleaned. Photographs should be taken of the relevant boards or the relevant information scribed,
- having observers look, after floods, for debris marks which will provide an indication of flood depths and extent. Surveys of depth marks and flood extents can assist in the future calibration of flood models.

Flood intelligence collection during and after floods needs to be carefully planned **before** flooding occurs so that the observers can be trained and necessary equipment and resources assigned. If this is not done, it is likely that the information required will not be obtained, or unusable information will be collected.

Key equipment that observers require may include vehicles, personal protective equipment for flood conditions, flood intelligence collection sheets, pens, notebooks, cameras, watches, measuring tapes, maps, charts and Global Positioning Systems (GPSs).

For flood intelligence to be generated effectively, the collection of data to establish height/consequence relationships must be given a high priority. Appropriate resources must be allocated to the task and capabilities developed. Requirements will include the following:

- field personnel specifically allocated to data gathering,
- operations centre staff to record such data, and
- a capacity to debrief data collectors and operations staff (including doorknockers where applicable) immediately after a flood.

Presenting the Information

Having gathered information about the flood hazard and the community at risk, there are several ways to overlay it in order to maximise its value to planners. Potential vehicles of presentation include maps, flood intelligence records and Geographic Information Systems (GIS).

Maps and Geographic Information Systems

Most flood and floodplain risk management studies already include maps showing the extent of one or more historical events along with a range of design floods. As a first step the design flood contours could be equivalenced to levels at the reference gauge. This information is generally included in flood study reports. It is relatively straightforward to digitise flood extent information and overlay it with appropriate census and other community data, on topographic or cadastral maps.

Using GIS, the characteristics of flooding (in terms of such things as spatial extent and depth) can be depicted for specified design floods or to record historic events. An especially valuable application involves the creation of dynamic simulations of developing floods, illustrating the sequence by which areas are inundated (see Crowe et al, 2003) and allowing manipulations of time frames to illustrate the varying conditions under which decisions might have to be made during different flood scenarios.

Community information (eg the locations of vulnerable groups or individuals, evacuation routes etc) can then be added to maps as overlays. Coupled with a reasonable flood height prediction and other flood intelligence, such maps can greatly assist planning and response activities through identifying areas and community groups likely to be affected in various ways and to particular extents by floods of differing magnitudes. The information can be used to develop warning systems and procedures and to generate decisions relating to evacuation, resupply and other response tasks.

Further information on the use of GIS in flood management can be found in Chapter 4 of the Australian Emergency Manual **Flood Warning** and Chapter 3 of the Australian Emergency Manual **Flood Response**.

Because electronically-stored data is vulnerable to loss of power supply during emergencies, hard copies (ie paper maps) should also be kept.

Flood Intelligence Records

Flood intelligence records can be developed for the **reference area** around a stream gauge, both upstream and downstream. This is the area for which heights at the gauge have meaning in terms of riverine flooding, independent of local flooding or flooding from tributary creeks (for further detail, see Chapter 4 of the Australian Emergency Manual **Flood Warning**). The entries themselves should consist of the known or estimated heights at which phenomena such as the following occur:

- floodwaters encroach on specified farmlands, caravan parks, residential and business properties, community facilities, institutions (eg nursing homes and schools) and utilities (eg sewerage and water supply systems) Impacts at different locations can be indicated by map grid references,
- buildings are flooded over their floorboards,
- roads are cut, causing individual houses or communities to become isolated and traffic movements to be disrupted,
- railway lines are cut,
- airfields are inundated,
- other significant effects (including the overtopping of levees) occur or can be expected, and
- significant historic floods peaked, or particular design floods such as the 1% Annual Exceedence Probability (AEP) event or PMF would peak.

In compiling these records, care should be taken to:

- ensure that effects are correctly ascertained in a causative sense relative to gauge heights (ie things which happened, but which did not relate directly to specified heights being reached during a particular event, must **not** be recorded against those heights),
- note where an impact at a particular height at a gauge will occur only if some other effect, unrelated to that gauge, also occurs (eg a road being cut at a certain height, necessitating a longer journey on an alternative route between two places but with the possibility of all access being lost when this route closes as a consequence of flooding on another stream),
- ensure that effects are explicitly noted in terms of locations of impacts, roads closed to different classes of vehicles and properties affected in different ways (eg by inconvenience, if additional distance is added to journeys, or by complete isolation which may necessitate resupply, or by inundation), and
- keep detailed lists of affected properties, by type (residential, farm, retail, industrial, caravan park, etc).

It should be noted that virtually all flood intelligence records are **approximations**. This is because no two flood events at a location, even if they peak at the same height, will have identical impacts. The gradients of the floods may differ, the floods may be near their peaks for different durations, and the channel and floodplain environments in which they occur are unlikely to remain static.

The fact that height/consequence links are approximations (and in some cases may be **estimates** of likely occurrences) should not be of concern, however. Absolute precision in these matters is not necessary for effective planning to be undertaken. The alternative to imperfect information would be to have no recorded information at all on which to base operational decisions and construct warning messages. Where substantial known variability exists in the heights at which particular effects can occur, this can be noted by listing a **range of heights**.

Apart from recording height/effect relationships, the records may indicate specific actions which may need to be:

- **undertaken before specific heights are reached** (eg barricading a road which will be dangerous to travel on or closing drainage valves to prevent backwater flooding), or
- **completed in advance of floodwaters reaching particular levels** (eg moving farm animals before paddocks are inundated, evacuating people to safety before escape routes are cut, or removing electric motors from sewerage pumping stations to prevent submergence).

In such circumstances, indications of the **amount of time required** to carry out the required actions are particularly useful.

Recording heights against consequences and actions helps develop a forward planning tool for flood managers which allows them to look ahead to ensure responses occur at appropriate times. In turn, this will mean that actions which need to be undertaken are carried out when they can be done rather than when they are most needed to be done – which is often later than is preferable. Estimating the amounts of time needed to carry out these tasks will facilitate their successful completion.

An example of a flood intelligence card is shown in Annex B.

CHAPTER 3

Developing the Plan

In a Nutshell…

The authority to plan, the scope of a plan and the integration of the plan with other documentation must all be defined and a clear planning process established.

Planning must be inclusive of the full range of agencies and organisations with flood management roles to play and of the community at risk. Broadly-based participation is essential.

Planning should cover the tasks expected to be carried out and should identify the agencies which will manage them.

Planning should identify solutions to the problems which will be experienced in carrying out warning, evacuation, resupply, property protection, rescue and other tasks. These solutions should be developed in relation to the full range of possible flood types and severities in the area and in relation to any special environments (eg flash flood environments, communities with levees and communities downstream of dams with identified deficiencies.)

The process of developing a flood emergency plan consists of the following phases: establishment of a project plan, establishment of a flood emergency planning committee, understanding the risk, developing strategies and arrangements, documenting the plan, implementing the plan and reviewing the plan. In most cases, Standing Operational Procedures (SOPs) will also be required to guide intended actions.

The planning process must go beyond developing actual planning documents. It must include agencies and the community accepting and endorsing the plans.

Introduction

The goal of flood emergency preparation is to lead, guide and build the community's response to flooding so as to maximise the safety of individuals, minimise property and infrastructural damage and ensure the community's effective functioning is maintained as far as possible and, where impaired, is restored speedily. To achieve this goal an ordered planning process must be followed. Planning must incorporate input from a wide range of interests drawn from the agencies which have roles to play before, during and after floods and from the flood-liable community itself. The most effective flood planning is shared with and engages the members of flood-liable communities.

The authority for the development of a formal flood emergency plan should be established and the document itself properly integrated with the emergency management arrangements which apply in the area for which it is written. A clear content and structure are required, together with a set of actions and procedures to ensure the document is kept alive, relevant to its task and accessible to and understood in the community.

As for any plan, there should be a vetting process whereby quality assurance can be achieved. Annex C incorporates a checklist to guide this process in relation to flood emergency planning.

Authority

For a flood emergency plan to be developed, some agency must have the authority or responsibility to undertake the process which will produce it. Authority will usually be established in legislation, where a 'lead', 'combat' or 'control' agency for the management of flooding may be identified, or in local emergency management arrangements which may allocate the planning task to a particular agency.

Authority is best vested in a single agency with access to expert advice, other stakeholders being required to assist. Ideally, the agency with the authority to plan should also be the agency with control responsibility when flooding actually occurs, and the agency charged with developing and maintaining flood intelligence. Such a clustering of responsibilities under a single key agency encourages the development of flood management expertise within that agency and maximises its ability to exercise leadership in flood management.

The agency identified has responsibility for leading and driving the process. This responsibility includes the requirement to develop an appropriate level of expertise in flood management itself and in planning to facilitate effective management.

Scope

No flood emergency plan can be effective without clear identification of its scope. This is best defined in terms of threat and reference area.

The scope of flood emergency planning will vary from area to area depending on the severity and complexity of the threat. Where the problem is serious and multi-faceted, the plan will need to address a wide range of preparedness, response and recovery issues and may need to include a long list of agencies with tasks to fulfil. The result, in such a case, may be a lengthy document.

Other areas, less severely affected, may require less detail in their flood emergency plans. In some areas where the flood problem is minor a free-standing flood emergency plan may not be necessary. In such cases flood management responsibilities could be discharged by recording general flood management arrangements in an annex of the relevant local emergency or disaster plan.

The Risk

The plan must make clear the **types** and **severities** of flood hazards addressed. Potentially, flooding may occur from:

- rainfall overwhelming the capacity of natural and artificial drainage channels (riverine and flash flooding),
- coastal storm surge,
- dam failure, and (if defined as flooding rather than as a separate hazard)
- tsunami.

This means the nature of the problem of flooding must be established along with the magnitudes of flooding which are to be addressed. Ideally the plan should deal with all types of flooding which could occur in the area and with magnitudes ranging from small to extreme events.

The Area

Flood emergency plans should be written for defined communities (for example local government areas, or combinations or parts of them). It may be desirable to divide the area to which the plan refers into sectors: this may be appropriate in situations where different parts of a community become cut off from each other when flooding occurs or to facilitate operational management in floods which have impacts over large areas or on large numbers of people.

Integration

Flood emergency plans should not exist as isolated documents. There may be flood emergency plans written for local areas, regions and states, and all flood emergency plans of whatever level or type need to be integrated within the appropriate emergency management structure for their individual areas of reference.

Some flood emergency plans will also need to be cross-referenced to other planning documents. Examples might be dam safety emergency plans or levee operation plans.

The Planning Process

The process of developing a flood emergency plan aims to produce a shared understanding of agreed arrangements between agencies. It is essential that all key agencies, local government and the community are involved in the planning process.

The process does not just produce a flood emergency plan. It forms an important learning exercise where participants become familiar with:

- the nature of the flood hazard(s) in the area,
- the nature of the community in relation to flood awareness, knowledge and expected flood responses,

- the roles and responsibilities of agencies and organisations within the area covered by the plan, and
- key strategies for prevention, preparation, response and recovery.

The planning process is continuous. The key steps in the planning process are shown below, with each step explained in the following paragraphs.

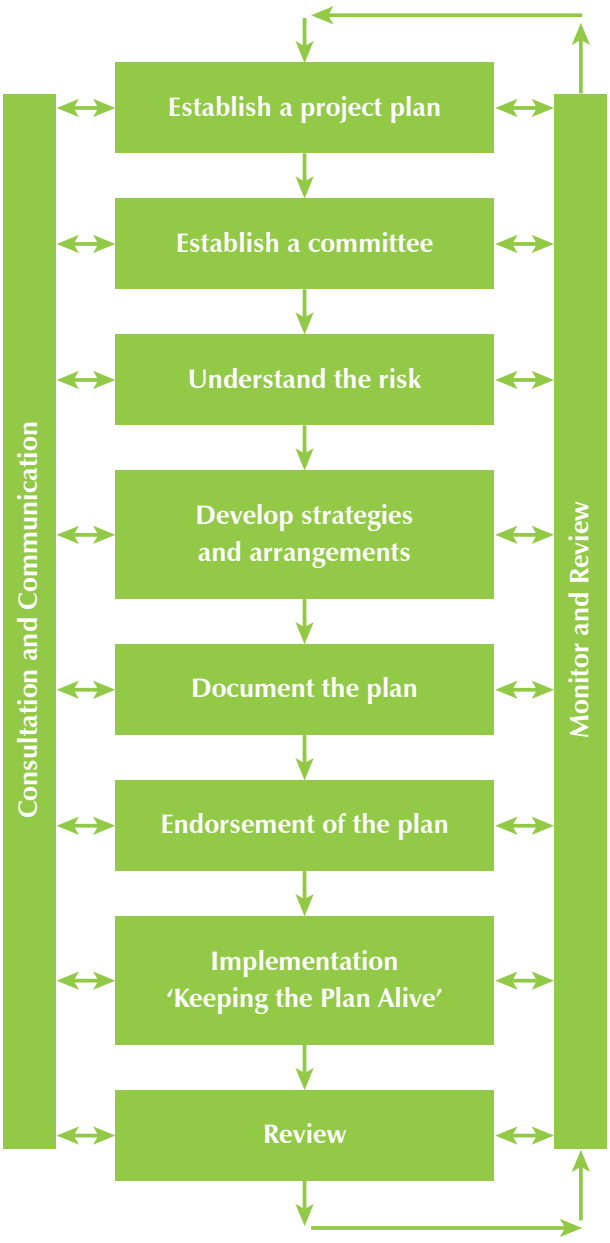


Figure 1: The Planning Process

Establishing a Project Plan

Developing an emergency plan is a project and a project plan should be established to guide the planning process. Project planning allows planners to scope the entire process, so they have an understanding of what key stages are involved. It has been the experience of emergency planners that without proper project scoping, emergency planning projects often stumble or stagnate, as planners consider what step to take next or become sidetracked by other priorities.

Establishing a Flood Emergency Planning Committee

People who are involved in the planning process are more likely to understand, accept and use an emergency plan than those who did not participate. Therefore, it is important that key stakeholders are involved in the planning process.

In most jurisdictions the planning process will require consultation with a range of technical specialists who can supply information on the nature of the problem and with agencies which will be able to assume responsibility for managing particular tasks before, during and after flooding. At the minimum, agency personnel must be involved in planning for the management of those tasks for which they will be responsible.

Consultation with flood-prone communities themselves is also vital. In other words, opportunities should be provided for members of the community to actually participate in the planning process. There are many stakeholder groups and individuals, and planning should not be carried out in isolation from them. Consultation and active participation build community ownership of the flood emergency plan.

There are several possible strategies for preparing a flood emergency plan. An ideal strategy would include the creation of a broadly-based flood emergency planning committee made up of technical experts, community representatives and agency personnel. The flood emergency planning committee is likely to have a core membership which takes responsibility for the actual preparation of the plan. However, it should be possible to co-opt outside expertise as necessary and to set up meetings with particular interest groups including people who live, work or otherwise have interests in flood-liable areas. As the plan is written, drafts should be distributed to members of the interest groups that have been brought into the process and appropriate revisions and amendments undertaken in the light of any additional input.

A Planning Committee would typically be a sub-group of the relevant Emergency Management, Disaster Management or Counter Disaster Committee and led by the lead agency for flood management. It is essential that committee members are sufficiently senior and knowledgeable to contribute to the committee. In cases where a plan covers more than one community it may be necessary to establish separate committees for each community.

Local Government participation in the Flood Emergency Planning Committee is essential as councils can provide large amounts of information regarding flood risk and relevant council policies. Involvement also ensures that council officers are aware of the flood emergency management arrangements within their Local Government Area and can incorporate these within the wider floodplain risk management process.

Terms of reference may be established for the committee to outline the aim and scope of the planning committee's functions. In combination with the agreed project plan the terms of reference provide guidance to the committee in undertaking the planning process.

Understanding the Risk

Flood risk is generated by the potential for flooding to interact with elements of the community and/or the physical environment. The flood risk must be thoroughly understood before any strategies can be developed. It is essential to develop an understanding of the risk posed by all magnitudes of flooding, including that generated as a result of dam failure where that is possible.

To understand the flood risk, planners should conduct a risk analysis. A risk analysis is a systematic process of identifying sources of risk, estimating their likelihood and evaluating potential consequences in terms of how the flood hazard interacts with the community. The three primary sources of risk in the context of flooding are inundation, isolation and indirect affects as a consequence of infrastructure damage or interruption. The emergency risk management process is used to conduct risk analysis (Standards Australia, 2004).

To be properly understood and planned for, risk needs to be appreciated in the context of specific types of environment. In the flood context, special environments for which planning will be required include:

- flash flood environments,
- communities with levees, and
- areas downstream of dams with identified deficiencies.

Further information about developing an understanding of the risk is contained in Chapter 2. Planning for special environments is covered in Chapter 5.

Developing Strategies and Arrangements

For each source of risk identified, emergency management functions should be determined. Functions that need to be dealt with for the various sources of flood risk are listed in Table 2.

Table 2: Emergency Management Functions and Sources of Flood Risk

	Source of Risk		
Functions	**Inundation**	**Isolation**	**Indirect Effects**
Community Education	✓	✓	✓
Warning	✓	✓	✓
Property Protection	✓		
Evacuation	✓	✓	✓
Rescue	✓		
Resupply		✓	✓
Restoration of Infrastructure			✓

For each identified emergency management function it is necessary to develop strategies and arrangements. Once these have been developed, responsibilities should be identified and assigned for functions, including tasks which allow functions to be undertaken. It is important to ensure that allocated responsibilities are consistent with the overall emergency management arrangements.

There are numerous key considerations in developing strategies and arrangements for key functions, and these are discussed in later sections. Exercises and questionnaires can be used to facilitate the development of strategies and arrangements.

It is essential that strategies and arrangements are based upon valid assumptions regarding how the community is likely to behave during a flood. This is an important reason for consulting with the community regarding a plan and encouraging community involvement in the planning process.

Documentation of the Plan

Plans should be documented so that they are clear to their audience. Standard templates will assist in this process and ensure consistency in format and arrangements across plans. It is important to ensure such templates are flexible in content so that users can adapt them to the circumstances of individual plans.

Endorsement of the Plan

Plans should be endorsed by Emergency Management, Disaster Management or Counter Disaster Committees. Prior to a plan being tabled for endorsement, consultation must be completed and a quality assurance process conducted. Examples of some quality assurance considerations are presented in Annex C. Once endorsed, copies of the plan must be distributed to all stakeholders. This can be done either by hard copy or electronically.

Keeping Plans Alive

Unless a plan is implemented regularly, either during floods or by other means, it is likely that it will be ineffective. Any plan needs to be kept alive to ensure it remains 'fit for purpose'. This can be done through exercising, review, training and community engagement and education.

Exercises provide opportunities to ensure that plans are workable and effective. They can be used as tools in plan revision, by identifying required strategies and responsibilities and inadequacies in procedures and communication flows, and they help to educate emergency services' personnel and community members about emergency management arrangements.

Exercising should be conducted regularly and be varied in its content and extent since no single test can adequately simulate all aspects of a flood response. All agencies need to be involved in the process, practising their designated roles and responsibilities as specified in the plan. However, not all agencies will need to be involved in every exercise.

Training helps emergency personnel to become familiar with their responsibilities and to acquire the skills necessary to undertake them. A simple way of ensuring emergency personnel are familiar with their responsibilities is to run briefings detailing arrangements contained within a plan.

Community education programs can also be used to promote flood emergency planning and the plans themselves. Programs should educate the community about the contents of the plans especially regarding the actions community members should take that are consistent with strategies outlined in the plans. It is desirable that emergency plans are completed prior to the establishment of community education programs to ensure the educational activities are consistent with strategies outlined within the plans. A plan can also be used as an instrument to educate communities through providing it in public libraries and on websites.

Arrangements for the conduct of exercises and community education should be contained within plans.

Review

To ensure that flood emergency plans remain relevant and accurate it is essential that they are regularly reviewed. The arrangements in plans should be reviewed:

- after each flood operation,
- when significant changes in land use or community characteristics occur,
- when new information from studies regarding flooding becomes available,
- when flood warnings systems are established or altered,
- when flood control or mitigation works are implemented or altered,

- when there are changes which alter agreed plan arrangements, and
- when there are significant changes in the personnel who will have to manage a flood.

There is no 'right' time frame within which reviews should be undertaken, but as a general guide it is wise to conduct full reviews at least every three years. Partial reviews covering specific elements may need to be undertaken more often than complete reviews.

Consultation and Communication

Communication and consultation are important considerations in each step of the planning process. Communication and consultation with the community and other emergency services and government agencies builds ownership of the provisions of flood emergency plan, creating commitment and enhancing the effectiveness of the plan. It is essential that project planning includes effective strategies for communication and consultation between agencies and stakeholder groups in the community.

An important time for community consultation is immediately **after** a significant flood. Public meetings at such times may provide an outlet for community anger (eg about warning quality or the nature of agency responses), but for flood managers they also create opportunities to better understand the community's needs and to gather information about flood consequences, planning arrangements and other matters.

Structure and Content

There is no single structure or table of contents that can be prescribed for all flood emergency plans. This is partly because of differences in the nature of flood threats from area to area and partly because plans operating at the local, regional and state levels are likely to address somewhat different concerns. 'Higher level' plans will often direct planning processes at lower levels and address coordination functions, while local plans will deal with managing particular tasks at the community level.

The following generic Community Flood Emergency Plan identifies the principal topics or themes that should be addressed (Table 3). The degree of detail on particular themes will be dictated by individual cases.

Table 3: A Structure of Headings for a Community Flood Emergency Plan

Contents
Distribution list
Amendment certificate (to indicate agreed modifications after initial publication)
Abbreviations
Glossary
Introduction
Purpose (objective)
Authority (in legislation or as a result of endorsement by other appropriate means)
Area covered (council area or other)
Description of flooding and its effects
Responsibilities (of participating agencies, organisations and officers
Cross-border assistance arrangements
Preparedness
Maintaining the plan (exercises, briefings, re-writes; sunset clause on life of document before revision)
Floodplain risk management (participation of agency personnel, benefits in terms of developing flood information)
Community consultation and participation (methods)
Developing and maintaining flood intelligence (content of systems, collection and collation of data)
Developing and operating warning systems (description, client identification, identification of impacts at different heights, required actions, means of disseminating warnings)
Public education (knowledge required, strategies to employ)
Training (of agencies with tasks to perform)
Resources (maintaining the readiness of operations centres, contact lists and resource lists)
Response
Control (control responsibility, decentralised or other special control arrangements)
Operations centres (locations)
Liaison (provision when required by operations centre)
Communications (systems and back-ups)
Activation of plan (conditions, communicating activation to agencies)

Flood intelligence (sources, types)
Preliminary deployments (eg actions to be taken before isolation occurs)
Warnings (arrangements, types, methods of dissemination)
Information provision (flood bulletins, arrangements for phone-in services, inter-agency information transmission)
Road control (arrangements for closures and re-openings)
Flood rescue (control, tasking, resources)
Evacuation (areas possibly needing evacuation, agencies involved in doorknocking and providing assistance to evacuees, evacuation routes and centres, transport provision)
Registration (evacuees)
Managing animals (setting up and operating animal shelter compounds, eg for pets)
Logistics (eg sandbag availability, aircraft tasking)
Resupply (areas affected, arrangements for delivery of essential items)
Stranded travellers (accommodation)
All clear (transmitting message)
Recovery
Welfare (long-term responsibility)
Recovery coordination (outline of plan)
Debriefing arrangements (details and recording of needed actions)
Annexes
Nature of the flood threat (flood types and environments, seasonality, weather systems, flood history, potential for extreme flooding)
Effects of flooding on community (land uses affected, demographics, specific facilities needing attention, eg schools, hospitals, nursing homes, gaols, neighbourhood centres, utilities)
Gauges monitored (list of gauges referred to)
Arrangements for disseminating flood Information (media and other agencies)
Guide to the content of evacuation warning messages (checklist of categories of information to be provided to people before evacuation)
Details of response operation arrangements for particular areas (area definition and description; institutions possibly requiring help; control arrangements eg location of forward control points; evacuation centres; evacuation routes including option sequences; traffic control points; helicopter landing points; arrangements for transporting evacuees; doorknocker requirements and agencies involved; time factors). Such annexes as these should be able to be used in the field as stand-alone plans for evacuations

Guide to assessing needs for large-scale evacuation operations (doorknockers, transport needs, time)
Arrangements for flood-liable caravan parks (description of caravan parks, including heights at which inundation begins and floods whole parks; numbers of sites affected; advising procedures, arrangements for evacuation and van relocation; arrangements for return of occupants and vans)
Resupply requirements and operations (areas affected, scale of tasks, agencies involved)
Maps
Reference area of plan (eg local government area)
River systems
Areas inundated (eg in floods of different scales)
Operational sectors (evacuation routes, evacuation centres, operations centres marked)

Scenario-Based Planning

The best flood plans are those which 'inform' flood responses, making the response task of flood managers simpler. They do this by being easy to follow, by performing the function of the 'aide memoire', and by providing well-considered solutions to problems in advance. A useful approach is to develop specific flood **scenarios** for which managerial solutions are devised and incorporated in the plan.

This can be done by identifying what responses would be required in an area in the case of floods of different severities (eg minor, moderate, major and extreme). Sub-plans can be developed, within the body of the plan or in annexes, for each function (eg warning, resupply, property protection, evacuation etc) at each severity level. Doing this leads to a conceptualisation of the flood response which recognises that different measures will normally be appropriate under different flood scenarios. In the case of flood warning, for example, the need for different warning modes (and therefore different suites of resources) for floods of differing severity will be made explicit.

This approach also makes simple the development of action checklists which can be referred to when a flood operation is imminent.

Matching Managers to Tasks

Management-task linkages need to be defined comprehensively. The goal in all cases must be to ensure all foreseeable tasks will be managed by the most appropriate 'actors' available. Appropriateness must be defined in terms of the relevant skills, resources or authority held by the individual (officer) position, group or agency charged with carrying out a particular task.

In some cases, the personnel nominated to carry out tasks will not be members of emergency agencies. They may be members, instead, of service, sporting or other special-interest clubs or community groups.

Typically, generic responsibilities will be found in general Emergency Management or Disaster Plans. These responsibilities can be expanded upon within the flood context in flood emergency plans.

Supporting Information

Flood emergency plans should not be regarded, in themselves, as complete descriptions of all aspects of the management arrangements relating to flooding. Other documentation will be necessary. Most agencies with responsibilities listed in flood emergency plans will need to develop detailed Standing Operating (or Operational) Procedures (SOPs) to guide their intended actions in fulfilling their responsibilities.

SOPs will, in turn, guide the training done to ensure operational readiness is maintained. In addition, contact and resource lists will need to be developed and maintained. These should be separate from the plan itself since they are so prone to change they can quickly render a plan obsolete.

CHAPTER 4

Planning for Specific Functions

In a Nutshell…

Planning needs to be carried out on a function-by-function basis.

The key functions for which detailed planning should be undertaken are warning, evacuation, resupply, property protection and rescue.

Introduction

The tasks to be identified and managed during floods are, in most areas with significant flood problems, numerous and it is not possible to deal with them all in this manual. Some guidance can be provided, though, in terms of coverage in a plan of particular key functions, identification of appropriate agencies to carry out particular tasks and development of solutions to problems relating to warning provision, evacuation, resupply, rescue and property protection.

Planning Considerations for Warning and the Provision of Advice

The creation and maintenance of flood warning systems are critical to unlocking the manageability of the flood threat. More detail on the matters covered in this section can be found in the Australian Emergency Manual **Flood Warning**.

The components of a flood warning system are the:

- prediction of severity and time of onset of flooding,
- interpretation of the prediction using flood intelligence to determine flood impacts on the community,
- construction of warning messages describing what is happening, what the flood prediction is, what the expected impacts of the predicted flood levels will be, what actions the public should take and who to contact for further information and emergency assistance,
- communication of warning messages to the public,
- response to the warnings by agencies involved and the community, and
- reviews of the warning system after a flood event.

Prediction

Predictions of flooding are provided by the Bureau of Meteorology for many river gauges and catchments across Australia. Types of Bureau of Meteorology Flood Warning products are described on the Bureau of Meteorology website (www.bom.gov.au). Planning considerations include the identification of:

- the responsibilities for flood warning prediction,
- existing flood prediction systems for flood warning,
- Bureau of Meteorology flood warning products which could apply,
- other possible warning products, for example those from local flash flood warning systems, and
- warning time frames.

Interpretation

Flood predictions are of little value unless they are interpreted to assess the likely impacts of the predicted flooding. Flood predictions contained in flood warnings are interpreted by reference to the relevant flood intelligence for the warning gauge and its reference area. Planning considerations include identification of:

- the responsibilities for warning interpretation,
- flood intelligence available, and
- sources of real-time flood intelligence.

Message Construction

For the community to be given the best chance of undertaking appropriate action in response to flooding, its members must receive a flood warning message.

As far as possible, all messages should be pre-written to ensure that high quality messages can be released in a timely manner. Note, however, that pre-written messages need to be checked in the real time of a developing flood to ensure their relevance to the circumstances and to allow incorporation of information which was not known before the flood operation. Pre-written warning messages should also be reviewed when flood intelligence is updated, when the flood emergency plan is reviewed or after a flood event.

Planning considerations include the identification of:

- the responsibilities for message construction,
- the appropriate advice (call to action) that should be provided, and

- pre-written flood bulletins available and responsibilities for their maintenance.

Communication

Communication in a flood warning context involves communicating messages to those identified as being at risk. Planning considerations include:

- identification of the responsibilities for warning communication,
- identification of the clients of warnings for varying magnitudes of flooding, including the number of properties and people requiring warning,
- identification of any special-needs groups,
- identification of resources available to conduct warning,
- establishment of warning priorities,
- identification of arrangements for warning communication including identifying potential methods of communication,
- identification of arrangements for use of the Standard Emergency Warning Signal (SEWS), and
- establishment of warning sectors for the communication of warnings. These are likely to be based on evacuation sectors.

Review

After each significant flood event, the performance and effectiveness of flood warning systems should be evaluated. Arrangements for the review of flood warning performance and effectiveness should be incorporated within plans.

Planning Considerations for Evacuation

The purpose of evacuation is to relocate people temporarily from areas at risk of the consequences of flooding to places of safety. Evacuation of people may not always be the most appropriate response to flooding, though, and it is essential to assess the risks involved in undertaking an evacuation. This will ensure that people are not exposed to more hazardous environments as a consequence of their evacuation.

Note too that a degree of 'spontaneous evacuation' is likely to occur when there is sufficient warning, without evacuation having been called for by an emergency service.

In some situations, evacuation planning is relatively simple and the relevant flood emergency plan will need only a brief section on the topic to note the potential (small) scale of the task, the areas which could be affected and the evacuation centres that would be used. In other circumstances, however, the evacuation section may need to be considerably more detailed.

An evacuation operation is conducted as a sequential process, ideally consisting of the following five phases:

- **Decision**, which involves the assessment of considerations in making a decision to evacuate people,
- **Warning**, involving the development and communication of an evacuation warning,
- **Withdrawal**, involving the movement of people from a dangerous or potentially dangerous area to a safer area where adequate shelter is available,
- **Shelter**, involving the provision of the basic needs of affected people away from the immediate or the potential effects of flooding, and
- **Return**, which involves the assessment of the safety of an affected area and the return of evacuees to their places of residence.

Prior to the development of evacuation arrangements, the following matters should be considered:

- identification of areas likely to require evacuation,
- establishment of evacuation sectors,
- classification of floodplains using floodplain classification descriptions (see Annex D),
- identification of the number of people needing evacuation,
- identification of any special-needs groups, and
- identification of when evacuations will be required.

Decision

Planning considerations include the:

- identification of the authority to evacuate and the existence of any powers in relation to 'mandating' evacuation,
- identification of evacuation triggers and completion restrictions (eg the closure of evacuation routes by floodwaters),
- identification of evacuation priorities,

- identification of evacuation risks to determine whether evacuation is the best option,
- estimation of time available to conduct the evacuation, and
- estimation of time likely to be needed to complete the evacuation.

Warning

Planning considerations include the identification of:

- available pre-written warning messages,
- warning responsibilities,
- warning communication methods, and
- arrangements for warning special-needs groups.

Withdrawal

Planning considerations include the identification of:

- transport strategies,
- responsibilities and arrangements for traffic control,
- suitable evacuation routes,
- responsibilities and arrangements for security of evacuated areas,
- transport provision and arrangements for special-needs groups and people without transport (this may include a need to arrange for the movement of wheelchairs and life-support equipment),
- responsibilities and arrangements for the movement of the companion animals and pets of evacuees, and of livestock, and
- deployment of engineering resources to 'shore up' low sections of roads.

Shelter

Planning considerations include identification of:

- suitable evacuation shelters, including sufficient capacity to accommodate all evacuees in flood-free areas above PMF levels, and accessible from areas likely to be flooded. Note that this does not mean that **all** evacuation shelters must be above PMF levels,
- responsibilities and arrangements for the registration of evacuees,
- responsibilities and arrangements for the provision of welfare and security for evacuees, and

- suitable shelters for the pets of evacuees.

Return

Planning considerations include the identification of:

- damage assessment strategies and arrangements,
- criteria for the return of evacuees, and
- transport arrangements.

Agencies and Organisations Potentially Involved

Most large-scale evacuations require coordination of the efforts of numerous agencies and organisations (sometimes including businesses and community groups). Amongst them could be:

- **the Police**, to ensure people do evacuate when necessary, maintain traffic flow along evacuation routes, maintain the security of evacuated premises and areas and ensure evacuees are registered,
- **other emergency service agencies**, to conduct doorknocks and to assess the special needs some evacuees are likely to have,
- **councils** or **road-managing agencies**, to close routes which may be flooded and dangerous to use,
- **transport agencies or companies**, to provide appropriate modes of transport (eg buses, trains, taxis, boats and/or aircraft) for evacuees,
- **organisations to care for the livestock, pets and companion animals** of evacuees, including establishing animal shelter compounds or arranging to move farm animals out of flood reach,
- **organisations or groups to help with evacuation-related tasks**, such as raising or moving furniture and commercial stock and removing or securing caravans, and
- **welfare agencies**, to operate reception centres outside flood affected areas so the accommodation, clothing, food and personal requirements of evacuees can be met.

Time Considerations in Planning for Evacuation

A particular concern in planning evacuation operations relates to the **effective use of time**. Particular matters of concern arise if there are few access roads into and out of an area, if evacuation routes could be cut by floodwaters before an evacuation is completed, or if islands which contain people could be submerged before escapes can be made good.

In such circumstances, where there are strict limitations on the amount of time available, the elements of an evacuation operation can be conceptualised using a timeline (see Figure 2). In this figure, the trigger for evacuation is taken to be the **prediction of the height at which inundation occurs**; in some real cases, other motivating factors (including the loss of escape routes or the need to move elderly people at an early stage) may be more critical.

Figure 2 illustrates the various phases into which an evacuation can be divided and forces planners to come to grips with the scale of the evacuation task in relation to the amount of time available. Using it, in conjunction with assessments of when evacuation routes will be cut and assumptions about vehicular flows along escape routes, will help in the calculation of numbers of doorknockers needed, the time by which specific groups of evacuees will need to begin their evacuation, and the phasing of the evacuation (area by area) to prevent bottlenecking. A figure of this type can be used to determine how to manage an evacuation operation so that everyone is moved to safety before critical moments, such as loss of routes or onset of nightfall, are reached.

Planning Considerations for Resupply

Resupply is a frequently-required function in rural areas. It can be difficult to manage because of the **geographic dispersal** of those who are cut off by flooding from normal means of supply. More rarely, resupply is necessary to whole towns, in which case the **scale of the task** is likely to be a problem especially if isolation, as a result of road closures, is likely to last for a considerable length of time and create many logistical challenges.

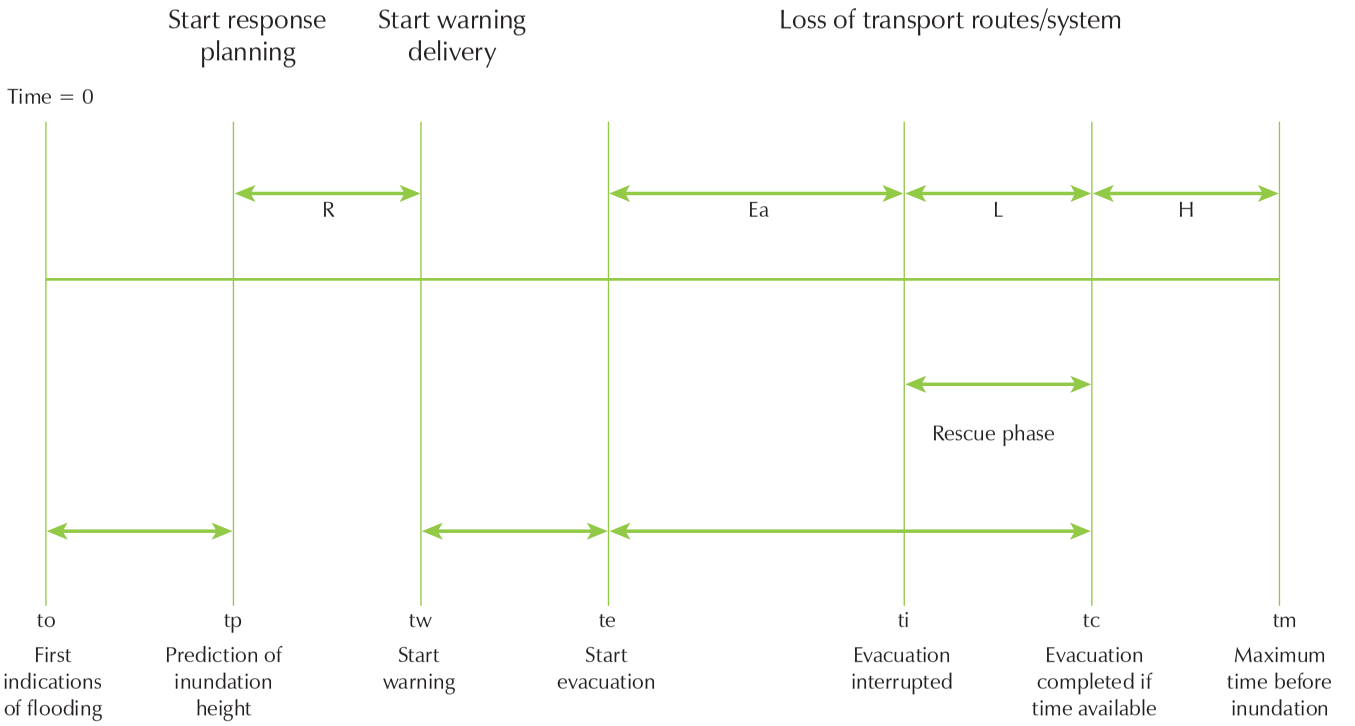
Resupply requirements differ depending upon the likely duration of flooding and the likelihood of infrastructure damage.

Where prolonged isolation is identified as a possible consequence of flooding, planning for the resupply of properties and/or communities should be undertaken. The purpose of this planning should be to ensure that arrangements are developed to provide supplies of essential items to properties and/or communities when they are isolated.

The initial task in developing a plan to conduct resupply is to identify areas which are likely to lose road and/or rail access and the flood events that will result in the isolation of properties and/or communities. For each area the following information should be identified and included in the plan:

- location of the area,
- key access routes to the isolated community or properties,

Figure 2: An Evacuation Timeline



P = prediction calculation, R = response initiation, W = warning delivery, En = time needed to evacuate, Ea = time available to evacuate L = time lost due to failure of evacuation routes/system, H = headroom for error. Note: H can be negative if tm is earlier than tc.

Time segments are not drawn to scale

- location and heights (relative to the relevant flood warning gauge) at which key access routes may be closed by flooding,
- the likely duration of isolation,
- the size of communities and/or the number of properties requiring resupply,
- locations where the community and/or properties normally purchase supplies,
- whether or not a community has businesses to meet its needs or resupply the community,
- whether or not any special-needs risk groups (eg families with young children) or institutions (eg hospitals, clinics and nursing homes) are likely to become isolated, and
- specific resupply needs of people and animals (including farm livestock and domestic pets and companion animals).

Once the isolation problem is understood, arrangements and strategies for resupply can be developed. Sectors should be established for areas requiring resupply. Generally each isolated area should form a separate sector. For each sector the following should be identified and included in the plan:

- control and coordination arrangements,
- locations suitable as distribution points to which resupply items are to be delivered for distribution to isolated property owners or businesses if whole communities are isolated,
- the most appropriate method(s) of transport to deliver resupply items, potentially including aircraft, train, flood rescue boat or high clearance vehicle, and
- resupply responsibilities.

Locations from which resupply occurs are referred to as loading points. Resupply goods will be delivered to such points by suppliers and then transported to isolated communities and/or properties. Sites for loading points should be identified and detailed in the plan. They should be established in communities close to isolated areas, but also close enough for normal suppliers to deliver easily to them. The choice of loading point location will also depend upon the chosen methods of resupply delivery.

Priorities for resupply must be determined and detailed in the plan. Generally essential services should be given the highest priority.

Planning Considerations for Property Protection

The aim of property protection is to prevent or minimise property damage through temporary means. Two types of property require planning to prevent flood damage: public infrastructure, and business and household contents. Methods of protection include barriers and the removal or lifting of the contents of buildings.

The use of barriers may require the application of cost-benefit analyses to determine whether they are economically appropriate. Such analyses, because of time constraints, are rarely possible during responses to floods. To apply such analyses during the planning phase requires the early identification of the locations and circumstances of potential barrier use.

Barriers

Temporary barriers constructed by sandbagging, earthworks or commercial 'wall' barrier products can be used to prevent water entering buildings or yards (containing, for example, essential infrastructure) or business premises or dwellings. These methods of protection are often ineffective against large floods, during which they may be overtopped. Sandbags must be positioned correctly to be effective. For further information on the deployment of sandbags, see Chapter 7 of the Australian Emergency Manual **Flood Response**.

Temporary barriers are suitable only for the protection of infrastructural assets and property. Such barriers should **not** be used as an alternative to evacuating a community.

Removal or Lifting of Contents

Damage to building contents, essential infrastructure and equipment can be reduced or eliminated by either lifting items or removing them to higher areas.

Key Considerations

The following are key considerations to identify when developing plans for property protection:

- the property requiring protection, including the critical infrastructure which needs to be protected,
- triggers for property protection (eg forecast flood heights),
- resources available to conduct property protection,
- time frames available for conducting property protection,
- strategies for conducting property protection (barrier eg sandbagging, and/or lifting or removal of goods),

- logistical support for property protection (for barriers: sources of sandbags, sandbagging machines and sand; for removal: transport, storage facilities, management of storage facilities and security of storage facilities), and
- responsibilities for property protection.

Planning Considerations for Flood Rescue

The aim of flood rescue operations is to move people from immediate or potential harm to safety. Failed evacuation operations (eg evacuation operations which have been initiated too late and have not been completed before egress routes are lost) can result in the need for large-scale coordinated rescue operations to take place to rescue people and animals from flood islands or inundated areas. Where the potential need for large-scale coordinated rescue operations is identified, arrangements should be contained within flood emergency plans. Since flood rescue is often related to evacuation arrangements, planning for these functions should be conducted concurrently.

An understanding of the likely flood rescue problem should be established through the consideration of the following:

- areas likely to require rescue, noting that high risk will apply to low flood islands, and
- the potential number of people likely to require rescue, including any special-needs groups.

Flood rescue operations can be separated into the following phases as dealt with below.

Identification and Deployment of Rescue Resources

This stage identifies available resources and mechanisms for their deployment.

Key planning considerations include the identification of:

- accredited rescue units available,
- other rescue resources (including material resources) available,
- identification of arrangements for the management of aircraft,
- triggers for the pre-deployment of resources. These triggers should be based upon evacuation triggers. Hence, when ordering the evacuation of a large area, an operations controller should also consider the pre-deployment of flood rescue resources. Therefore knowledge of evacuation triggers is required,
- areas suitable as staging areas, including areas suitable for the landing of aircraft.

Activation of Rescue Resources

Planning considerations involve the identification of activation methods. Activation can occur either through a member of the public contacting the emergency services (for example by calling 000), through reconnaissance reports or through active searching of an area.

Rescue Execution

The rescue execution stage encompasses the conduct of the rescue itself. Planning considerations include the identification of:

- the most suitable methods (flood rescue boat, aircraft or high-clearance vehicle),
- rescue sectors (these are likely to be aligned with evacuation sectors),
- rescue priorities, and
- shelters of last resort where people may assemble and from which they can be rescued.

Shelter of Flood Victims

Once people have been rescued, shelter and welfare need to be provided. Planning considerations include the identification of:

- likely drop-off points where rescued persons can be transferred to evacuation centres or hospitals. These may be the same location as staging areas, but need to be located in areas where flood-free road access is available to medical facilities and evacuation centres,
- likely resources required at drop-off points eg transportation, registration and ambulatory care,
- logistics support requirements for rescue resources,
- arrangements for the registration of rescued persons, and
- appropriate shelters. These are likely to be identified in evacuation planning.

Return of Flood Victims

Once an 'All Clear' is issued, people can return to their properties. Plans should identify arrangements for the issue of 'All Clear' advice. These arrangements will be common across the evacuation and rescue functions.

CHAPTER 5

Planning for Special Environments

In a Nutshell…

Planning is often necessary for 'special' environments in which unique or additional considerations have to be built in to the planning process. Amongst these are:

- ***areas which are liable to flash flooding,***
- ***communities with levee protection, and***
- ***areas downstream of dams which may fail or from which water may be released through gates.***

Planning for Flash Flood Environments

Flash floods are often sudden and unexpected and are characterised by their short warning time frames, short duration, and often dangerous floodwaters which can cause severe damage. Flash flooding, which is often defined as flooding which peaks within six hours of the rain which causes it, typically results from relatively short, intense bursts of rainfall, often from thunderstorms. Generally, such flooding is of short duration.

The ability to provide warning to people likely to be affected by flash flooding is limited. Bureau of Meteorology warning products providing advice about potential flash flooding include Severe Weather Warnings, Severe Thunderstorm Warnings and Flood Watches. When developing warning arrangements for areas which are prone to flash flooding, an assessment to identify existing warning systems should be undertaken.

Due to the limited warning time available, it is unlikely that large-scale evacuations of the floodplain will be successful since the time required to complete evacuations in most cases will be greater than the time available. As a consequence of the limited ability to evacuate people, there can be an increased demand for flood rescue in flash flood areas. Limited lead times also restrict the ability for evacuation centres to be established in a timely manner.

For the same reason, the ability to protect property in areas susceptible to flash flooding is likely to be limited. At-risk homes, businesses and essential services at risk should be encouraged through community education programs to be flood resilient and to develop their own means to minimise flood damage potential.

There will be limited time to pre-deploy resources to maintain essential emergency functions. However, unless flash flooding causes damage to roads and bridges it is unlikely that isolation requiring resupply will be necessary.

In cases where damage to property and infrastructure has been severe it may be necessary to conduct evacuations once floodwaters have receded.

Flash flooding can affect more than one watercourse in an area at a time. Hence a separate sector for each watercourse may need to be established, especially if transport difficulties are likely between affected areas.

Evacuation v Sheltering in Place

Evacuation is a suitable strategy only when, by evacuating, people are not exposed to greater risks than they would face by remaining where they are. Due to the limited warning time available and the dangerous nature of flash flooding, in most flash flood catchments it may be more dangerous for people to evacuate than to shelter in place (ie stay inside their building and move to the highest place). Hazards that evacuees may be exposed to whilst evacuating are:

- flooding of evacuation routes,
- severe weather including strong winds, heavy rainfall, hail and lightning,
- debris, and
- fallen electricity lines.

However, where buildings are located in floodways, it is likely that people will be exposed to high hazard conditions in which it will be more dangerous to shelter in place than to evacuate. In these circumstances an evacuation strategy should be adopted.

It may be appropriate for a mixed strategy to be developed, with a shelter in place strategy adopted for buildings where evacuation is likely to be more dangerous than sheltering in place and an evacuation strategy where evacuation is less dangerous than sheltering in place. Areas where these strategies apply should be detailed in plans.

Planning for Flood-Prone Communities with Levee Systems

Levees are flood mitigation structures which aim to reduce flood frequency by creating a barrier between floodwaters and community elements at risk. Levees have been used in an attempt to reduce flood damages and enhance public safety. All levees, however, unless designed for PMF events, will ultimately be overtopped by events larger then their design events, and in addition they may fail (despite not being overtopped) through lack of maintenance, inadequate construction or unforeseen circumstances.

The potential for overtopping or failure means that flood emergency plans must be maintained for all communities protected by levees, and must detail evacuation arrangements to be undertaken when floodwaters threaten to overtop levees or cause levee failure. Communities protected by levees should also receive ongoing community education to maintain their awareness of the flood risk, dispel any complacency which the presence of levees has generated and promote the actions which people should

take in preparing for and responding to flooding.

Planning Considerations

Where levee systems are identified the following information should be contained within plans, if available:

- description of each levee, detailing location, construction type, and the communities protected,
- the name, identification number and gauge zero for the flood warning gauge relevant to each levee,
- the following heights relative to the relevant flood warning gauge, and the likelihood of the respective heights being reached:
    - levee design height
    - overtopping heights of levee low points
    - levee spillway heights
    - imminent failure height,
- likely locations of levee overtopping and the sequence of overtopping and flooding (these outputs may be presented in a spatial format, accompanied by a description),
- size of the population, the number of residential and commercial properties, and critical infrastructure affected by levee over-topping or failure. This output should be expressed in relation to a variety of flood magnitudes, including a worst-case scenario,
- the height (relative to the relevant flood warning gauge) at which any backwater flooding commences affecting urban areas behind each levee, and the pattern of inundation,
- once overtopped the length of time taken to fill the basin area behind each levee and the pattern (evolution) and behaviour of inundation,
- details of ground profile (topography) inside each levee and the height of potential high points of land (relative to the relevant flood warning gauge),
- location of any parts of a levee which need to be closed and the height (relative to the relevant flood warning gauge) at which that action must be completed by,
- knowledge of any critical issues including structural integrity affecting each levee, and
- means of dispelling inappropriate community attitudes (eg false senses of security created by the existence of levee protection).

It is likely that in many cases, outputs relating to overtopping and backwater flooding will vary between floods. In these cases a description of potential flood scenarios and details of associated

consequences will be required.

When new levee systems are proposed or under construction, planning authorities should encourage the levee owner to provide the required information.

Levee Heights

The following terms are often referred to in relation to levee heights, measured relative to a relevant flood warning gauge:

- **Imminent Failure Level**: This is a level lower than the crest height of the levee and considered to be the potential failure level of the levee.
- **Design Height**: The height to which a levee was designed to provide protection. Where there is a spillway the design height should relate to the spillway level less freeboard; elsewhere it should relate to the height of levee low points less freeboard.
- **Crest Height**: The crest height of a levee is equal to the design height plus freeboard.
- **Spillway Height**: The height of a levee's spillway (if any).

Freeboard and Levee Design

Freeboard is the additional height added above a levee's design height to ensure that the levee performs at its design height. Freeboard is generally required to allow for:

- wave action due to wind, boats and trucks, often occurring well after rain has subsided,
- localised hydraulic affects, which may result in higher than design flood levels, and
- inherent inaccuracies in modelling or historic flood information.

Freeboard also provides a safeguard for variation between flood predictions and actual flood levels in events.

In addition to the above considerations for freeboard, the long term condition and performance of earthen levees needs to be considered. The relevant issues are:

- post-construction settlement, which effectively reduces the crest level of the levee,
- traffic crossing or driving along the levee and resulting in surface erosion reducing its height,
- the prevalence of deep surface cracking which is made worse by drying out and lack of vegetation cover, and
- the performance of earthen levees when they overtop. Overtopping can be characterised by relatively quick vertical erosion resulting in a breach which can allow more water in quickly. This can result in flooding occurring rapidly and causing difficulties for evacuation.

Since the performance of a levee cannot be assured after its design height or design specifications are exceeded, the design height or design specifications should be used as the trigger for evacuation. For example, if a flood prediction indicating flooding to or above the design height of a levee is received from the Bureau of Meteorology or another credible source, evacuation would be advisable.

Note that this also means that freeboard should **not** be relied upon to provide community safety or be a consideration in the decision to evacuate or not to do so. This point has been confirmed in court proceedings in Australia, and many cases have been noted in which the freeboard originally provided has been reduced by consolidation of levee materials or has disappeared since the levee was constructed.

Planning For Areas Downstream of Dams

Flooding downstream of dams may occur as the result of the release of impounded water, either deliberately to provide irrigation or environmental flows or unintentionally as a result of errors in gate operation, or from dam failure or fuse plug activation. Of these, dam failure is uncommon but can be catastrophic in its consequences.

Understanding the Dam-Failure Risk

The failure of dams results in the uncontrollable release of water, flooding downstream areas. Dam failure can be caused by:

- flooding overtopping a dam wall or spillways, resulting in the erosion of the dam,
- earthquakes that cause damage to dams, resulting in their failure,
- piping and seepage of water through the dam structure that causes erosion of the dam, and
- humanly-induced actions such as terrorism or errors relating to the operation or design of a dam.

Dam-failure floods are typically **much** larger than any previous historical floods and can occur in a very short period of time. Downstream communities located close to dams typically have short warning times, though in the case of dam failures caused by extreme floods passing through the dam some downstream evacuations may have already occurred as a consequence of anticipated flooding of rivers or creeks. However, not all the community may have been evacuated, and some people may have become isolated as a consequence of the flooding of evacuation routes, complicating any evacuations in anticipation of dam failure. In these cases evacuation will have to occur early before evacuation routes are flooded.

The dam owner should supply information to the planning authority regarding the downstream consequences of dam failure. Types of information available should include dam-break analysis

reports, inundation maps and Dam Safety Emergency Plans. Information to be provided should include:

- the nature of the dam's deficiency with respect to potential flood failure or sunny-day failure,
- (for dams with a flood deficiency only): the AEP of the Dam Crest Flood (DCF),
- (for dams with a flood deficiency only): a description of the hydro-meteorological conditions which might lead to the development of a DCF or greater flood,
- the period over which dam failure might occur,
- a description of DCF conditions downstream of the dam, including the impact of inflows from downstream tributaries (inundation map),
- descriptions of 'sunny day failure', 'DCF without dambreak', 'DCF plus dambreak' and PMF conditions (inundation maps),
- travel times for the flood wave to reach critical downstream locations (indicating both the front of the wave and its crest where possible),
- likely flood inundation durations, and
- flow velocities and depths.

Floods that need to be considered in planning may include the following:

- **Sunny Day Failure** (floods caused by the unexpected failure of the dam). Such floods may happen at any time and may not involve a rainfall event,
- **Dam Crest Flood** or **Imminent Failure Flood** (floods which raise the storage to its maximum safe level),
- **Probable Maximum Flood** (the extreme flood for the catchment). Information regarding this level of flooding is typically presented as with and without dam failure.

Planning Considerations

General planning requirements will include:

- description of the dam,
- description of dam-failure scenarios and description of likely downstream consequences and timings,
- description of any special dam-failure alerting or warning systems, for example sirens or automatic-dialling telephone systems.

- arrangements for the establishment and review of intelligence regarding the downstream consequences of dam failure (to identify/verify risk areas, action triggers, time frames and priorities),
- arrangements and responsibilities for the conduct of community education regarding dam failure, and
- arrangements and responsibilities for the establishment and maintenance of dam failure warning systems.

Considerations for response will include arrangements and responsibilities for:

- the warning of at-risk communities,
- the evacuation of at-risk affected communities; including the identification of suitable evacuation routes and shelters,
- the restriction of access and security of evacuated areas,
- reconnaissance of potentially affected areas,
- the rescue of trapped and injured people, and
- the resupply of potentially isolated communities.

Considerations for recovery will include arrangements and responsibilities for the:

- initiation of recovery, and
- conduct of debriefs.

Other Dam-Related Flooding

In addition it will sometimes be necessary to plan for 'operational floods' which do not involve dam failure. Such floods may be caused or exacerbated by the deliberate or unintended release of water through dam gates. They do not endanger the dam but may result in downstream flooding for which special warning and/or response measures may be necessary (eg for movement of livestock or barricading of roads).

Further detail on planning for floods caused or exacerbated by dams can be found in the Australian Emergency Manual **Emergency Management Planning for Floods Affected by Dams**.

CHAPTER 6

Using Education to Increase Community Resilience to Flooding

In a Nutshell…

To minimise the risks to their safety and property, it is critical that people in flood-liable areas learn how to prepare for, respond to and recover from flood events. 'Flood preparedness' must include ensuring that the people who will be affected by flooding are given the opportunity and the tools to manage it in their own interests.

Flood education can build resilience by helping people learn about the need to be prepared for flooding, how to prepare for floods and how to improve their ability to cope with flooding. Because floods can occur at any time, flood education should be on-going.

Local flood education strategies are best developed, implemented, evaluated and maintained by collectives incorporating local community representatives, local councils and emergency management agencies. The strategies should incorporate local knowledge through consultation with local stakeholders, as well as expertise from appropriate organisations, to deliver programs, products and resources which are truly local in their focus.

Flood emergency plans constitute important source documents for educating communities about floods and their management.

To maintain high levels of community readiness for flooding, a range of appropriate local delivery and engagement methods, which target appropriate behaviour change, need to be utilised. These should support broader social marketing projects and deliberate information-based campaigns.

The key elements of an effective community education strategy are:

- ***knowledge of the local target populations,***
- ***knowledge of the local flood history and current risks,***
- ***development of appropriate community education materials,***
- ***development of a local community education strategy which involves the community and identifies local needs and means of delivering education to meet these needs,***
- ***over-arching social marketing branding, message and product concepts which frame local delivery programs, and***
- ***periodic review and evaluation of program elements to ensure continued reach, relevance and effectiveness.***

Introduction

It cannot be expected or assumed that all people in a flood-liable community will understand the nature of their exposure to the flood threat or know what they should do to protect their belongings and maintain their safety in the face of flooding. Some will be more experienced than others in dealing with floods in their present environments, but some will have had no exposure at all. In most areas very few people will have experienced genuinely severe floods.

Everybody, even those who have experienced several floods during their lives, will be prone to forget what they have learned about flooding and what they can do to mitigate its effects. People will also vary in regard to their acceptance of the risk, the degree to which their behaviour will involve the taking of risks, their ability to respond to floods, and their knowledge, attitudes and beliefs in relation to the flood hazard.

Even when people do have experience and/or understanding of the flood risk in their area, they may respond inappropriately when flooding occurs. In most cases, this is manifested by **under**-responding to the threat or initiating and carrying out responses **later** than is ideal. Often, this reflects a high degree of **complacency** about the flood risk and can be associated with **denial** of it.

Improving Community Flood Resilience through Education

In terms of flooding, 'resilience' involves the ability of the members of a community not only to protect their interests during a flood and to recover from it afterwards, but also to learn and improve responses as a result of the experience that a flood will provide. The aim of flood education is to increase resilience to the flood risk by helping people and their communities to learn from, adapt to and manage flood events.

Principles

Flood-ready communities must be purposefully created through:

- **engagement**, to create an awareness and understanding locally of the flood risk and an understanding of the need for individuals to prepare for, respond to and recover appropriately from floods,
- **empowerment**, so that people can take responsibility for and adopt appropriate actions to help protect their own property and personal safety,
- **delivery to community members of information** about the tools from which appropriate actions can be developed,

- the **collaborative involvement** of local community representatives, services and organisations so as to build local ownership of flood management solutions and actions, and
- the promotion of the **flexibility** of services and organisations to adjust to and incorporate the diverse and changing educational needs of the community through continual reflection on the internal processes and structures that define why, how and when community flood education is carried out.

Educating the members of flood-prone communities takes several forms. It can involve:

- providing information, sometimes characterised as 'one-way learning' (eg via brochures, displays, web pages, DVDs and the media),
- providing learning opportunities by 'two-way learning' (eg by training, school curriculum lessons and on-line learning programs),
- building educational capacity (by mentoring educational leaders and developing partnerships for flood-educational purposes), and
- supporting community participation (eg in designing and implementing educational programs about flooding and its management).

Flood education initiatives seek to increase community resilience to the flood risk by augmenting the ability of community members to adapt to and manage flooding. Resilience incorporates the 'preparedness' of a community for flooding, but also the community's competencies and systems for adapting to a flood and its ability to learn from flood events. 'Community' in this sense is inclusive of the organisations and services responsible for flood mitigation (both infrastructure and social) and of the individual members of the community.

Community flood education can help people and their communities build resilience to flooding in the following ways (Dufty, 2008):

- by learning about the need to **prepare** for flooding,
- by learning what to do **before**, **during** and **after** a flood,
- by learning how to **improve systems and competencies** to cope with a flood, and
- by learning, after a flood, ways to **further improve preparedness levels, competencies and systems**.

An important first step in designing a flood education program is to understand the community's level of resilience, the local flood risk and the emergency planning which has been conducted. An understanding of community resilience in relation to flooding (eg vulnerable groups, levels of preparedness, understanding of risk and attitudes to flooding) can be obtained through different forms of social research (eg interviews, surveys, focus groups) and from intelligence gained from previous flood responses (including informal and anecdotal references). Understanding of flood risk and emergency plans can be obtained from floodplain management plans and flood emergency plans respectively.

Put together, this information should help focus community flood education programs, whether they are aimed at the community in general or at specific at-risk sectors such as businesses, caravan parks, or the residents of a particular street.

Above all, community education initiatives must seek to **persuade** people that preparing for floods, and responding to them effectively, is possible and in their own interests. They must also recognise that people in flood-prone areas are often **complacent** about the risk, in **denial** of it or have come to believe in **myths** about flooding. Such attitudes constitute barriers to learning which the designers of educational programs should recognise and seek to overcome (see Keys, 2008, pp56-68). Ironically, denial may be most prevalent where mitigation devices such as levees have been built. Such areas often experience very severe flood consequences when the levees are overtopped or breached, but the levees have given people the impression that the flood problem has been solved.

Methods

The four types of flood education identified on p53 (Dufty, 2008) can be used to guide the design of programs (including targeting the areas of greatest need). In some communities (especially in those parts that are particularly vulnerable to flooding), learning about the need to prepare for flooding will be the main type of education.

Note that increasing people's 'awareness' of a flood problem is not the only way to encourage them to prepare for flooding. Other factors in determining people's willingness to prepare include their understanding of flood risks and the limitations of local mitigation measures, their level of concern about flooding, what impact they think a flood will have on them, and their perceived ability to cope with flooding. Activities that help people learn about the need to prepare for flooding include, but need not be limited to:

- commemorative events, activities and promotions (displays, stalls, media – both editorial and advertorial – presentations, etc),
- the development of locally specific information products (brochures, inserts, hand-outs, fact sheets, etc),

- targeted displays and engagement activities (eg doorknocks and demonstrations),
- schools-based kits which include fact sheets and flood activities and are competency-based on current curriculum learning objectives,
- reminders of past flood events (flood markers, comparative photographs, etc), and
- the preparation of individual flood plans through the use of toolkits (eg for households, businesses and institutions.

Other educational activities that could help people and their communities improve their flood competencies and systems include:

- training SES volunteers in community education. Such training enables volunteers to help educate their local communities in formal settings (eg events). It also produces educators on the ground to help communities immediately before, during and after a flood,
- identifying and training community leaders in flood education so that they can help educate others in their networks,
- developing and maintaining ongoing community discourse about flooding and coping with different local flooding scenarios,
- using public meetings, working groups or focus groups to conduct community and agency reviews of preventative measures (eg floodplain management 'devices' such as levees) and coping systems (eg warning systems, recovery systems),
- providing vulnerable community sectors (eg businesses), organisations (eg caravan parks) and groups (eg the aged, people of non-English speaking backgrounds, people who have no idea of what they should do or do know what to do but are unable to do it at the appropriate time) with specifically tailored educational activities to develop their competencies to cope with a flood event, and
- conducting meetings to discuss flood effects and how people should respond to coming floods. Ideally, individual meetings should involve only small numbers of people.

The measures which are adopted should be recorded in flood emergency plans.

To be resilient, communities need to learn from flood events to increase their preparedness levels and improve their capabilities. Apart from further refining the types of flood education described above, post-flood education activities could include or make use of:

- social research (eg surveys and focus group discussions) to find out how effective the warning, evacuation management and recovery support systems were, how effective the past flood education initiatives were and how these things can be improved,

- agency debriefs, the learning from which should be used to improve management systems and agency competencies,
- oral histories, which allow people to recount their stories about the flood event and to identify further opportunities to learn how to better prepare and cope with future floods, and
- community debrief meetings to identify problems in preparation, response and recovery and to identify possible sources of improvements.

This list is not prescriptive or necessarily complete. Community education needs to be adaptive to the needs of local communities and to explore educational options in a search for the approaches and methods that offer sound fits.

Traditional approaches to flood education focused largely on raising 'flood awareness' within the community. But **awareness by itself is not sufficient** to guarantee that people will act appropriately to save belongings and maintain personal safety. Neither is the institutional belief that as 'experts', the emergency services can direct people on what to do in these situations with any certainty that they will automatically do it.

Flood education must seek a **progression to a state of preparedness to act**. When people have a real sense of their exposure to the flood risk, have developed a personal understanding of what they can do to mitigate the threat and feel supported by the emergency services, they will be more capable of responding to warnings with appropriate actions (whether these involve avoiding particular routes on the journey to work, stocking up on food and other essentials, lifting or relocating belongings or evacuating their dwellings).

It also must be remembered that no matter how aware, knowledgeable and prepared people may be for flooding, and how engaged they feel with any response process, their behaviour cannot be guaranteed when they are placed in an actual flood situation. This is the nature of dealing with behaviour in a risk context.

Developing a Local Community Education Strategy

A community flood emergency plan contains information on the threat, the problems it will pose and the intended management of those problems. In a broad sense (though not necessarily in terms of detail), community members need to understand this information. As a principal source document on flooding, the plan should be made available to the community as well as being used to drive the preparation of a **community flood education strategy** incorporating an engagement and delivery strategy as well as a media strategy.

In developing a community flood education strategy, a number of practices should be included:

- Community flood education strategies should be developed in partnership and collaboration with communities to assist in the maintenance, sustainability and improvement of the constituent educational activities.
- Programs should be delivered through community groups, whereby communities are empowered to research, plan, implement and evaluate their own activities.
- Emergency agencies such as the SES should act as consultants to communities (eg facilitators, resource providers, change agents and coordinators) rather than directing the change process in a top-down manner.
- Opportunities for cross-hazard (and cross-agency) programs should be identified and implemented where possible.
- Flood education strategies should be incorporated in floodplain risk management and emergency planning processes.
- Flood education strategies should be linked to flood warning systems so that warnings can have the direct effect of triggering appropriate response behaviours. This relationship should be clearly communicated through education programs.

It is suggested that flood education strategies should have a life of no more than three years before they are revised. Strategies should consist of:

- a background explaining the local flood scenarios, community features and applicable warning services,
- the vision, outcomes and main strategies to achieve the outcomes,
- an implementation plan in tabular form that shows the main activities for each strategy, a time frame for rollout, and responsibilities and costing for each activity,
- an engagement strategy relevant to the local community, and
- an evaluation plan to show how the plan and its outcomes will be assessed and improved during the life of the plan and at the end of the plan's life.

Particular attention needs to be given in flood education strategies to building:

- understanding and trust in the warning services that are provided and how people can relate warning messages to their own circumstances,
- people's understanding of what they need to do to maintain their personal safety and protect items of importance.

A flood education strategy can be a valuable tool to publicise the existence of flood threats and to debunk the erroneous beliefs and myths which are common in flood-liable areas. These include:

- the notion that the very severe floods seen in an area in the past will never be equalled in scale in the future,
- the belief that mitigation devices such as dams, levees, diversion channels and retention basins will render future floods harmless (in this context, building a recognition that town-protecting levees will on occasions be overtopped is crucial), and
- the idea that flood education will damage real estate values.

The strategy's prime purposes should be to remind people in flood-liable areas that the threat continues to exist and to indicate to them that there are things they can do to limit the consequences of their exposure to flooding.

The most effective flood education strategies are strongly **local** in content. They use local information (eg on flood consequences at specified flood heights) and explain how local warning services operate. They refer by name to areas which are familiar to their target audience.

The Local Flood Education Strategy Committee

To enable a robust and relevant education strategy to be developed, the community must be involved with its development and implementation. By utilising or building localised community networks and including representatives from sectors that are affected by flooding, the strategy will be more robust in nature and will be driven at the local level. Accordingly, behaviours will have a better chance of being adopted in local cultural norms.

A local flood education strategy committee could consist, as applicable to the community, of:

- local residents,
- rural landholders,
- local business representatives,
- representatives from other sectors and groups (eg schools and caravan parks),
- local council staff,
- Catchment Management Authority personnel,
- emergency services personnel (volunteer and paid representatives), and
- other agency staff.

With such a committee membership, the strategy will be seen as creating a blueprint for action for the local community to develop, using local responses defined from within the local community.

Using the Strategy

Copies of the completed community flood education strategy should be placed in council libraries and in schools, hospitals, nursing homes and council information centres. It should also be available, where appropriate, in non-paper form, eg on CD or on an internet home page. The strategy's availability should be publicised regularly in local media outlets to coincide with anniversaries of significant events and immediately preceding the flood season (if one exists).

Developed resources (eg booklets and fact sheets) could be included in council welcome packages for new residents and business owners as well as being promoted to sectors such as real estate and tourism. Equally, such items could be displayed and made available from council information offices and at council rates desks.

Potential Content Elements

It is important to recognise that not everything which is known about flooding needs to be conveyed to the at-risk community. Some selectivity is necessary so that people are not overwhelmed by the information provided. The key information relates to:

- the potential for flooding in the area,
- the consequences of flooding of different levels of severity,
- the warning services that are available in the area and how they should be utilised as a flood is developing. This element is particularly important given the evidence that many people neither understand nor trust existing warning services; in essence, they need to be educated about warnings as well as about flooding,
- how people can plan for floods, and
- what individuals can do to manage flooding as it is developing.

Delivering Flood Education: Some Pointers

There is no single flood education method which can or should be employed over all others. Community flood education needs to be diverse (as communities are) and flexible enough to incorporate a range of program, delivery and output options. There are, however, several factors which should guide the planning of such programs and be incorporated into community flood education strategies. These are:

- Community education involves delivering a range of initiatives which can be layered upon one another. Strategies need to be broad and varied in approach. To reach a lot of people, breadth and variety will give the benefit of repetition of messages as well as reaching out to different parts of the community. Along with these approaches, some delivery options need to be specific and targeted or have very specific messages tailored to different sections of a community. Different people also learn from different sources and styles of presentation, and variation will help maintain interest and allay boredom. It is important to maintain a varied and multi-levelled approach to educating all members of the community about floods.
- Events should be planned for particular times of year, preferably at or near the beginning of the community's flood season, if there is one, or at the time of the anniversary of a significant flood event. It is at these times that community attention is most likely to be obtainable. Times of drought, by contrast, are likely to be less favourable for such activities, but to avoid long periods with no flood educational activity some initiatives may need to be undertaken during periods of little rainfall. Flood education campaign planners must recognise that both success and cost-effectiveness will be maximised at those times when message receptiveness is high. It is not the convenience of agencies with responsibility for educating the community, but the likely receptiveness of the community itself, which must be the primary driver of how and when the educational task is undertaken.
- Media cooperation is important to program success. A flood commemoration, for example, could be publicised by a newspaper campaign carrying articles about the community's flood history. Newspapers can also be encouraged to record and publish interviews with people who actually experienced the event being commemorated, and to publish maps showing the areas which were inundated. This campaign could also exhibit parts of the local flood emergency plan during a council-declared 'Flood Readiness Week' and feature displays mounted by agencies with interests in flood management matters. The newspaper would, in effect, be advertising and building interest in the commemorative activity, and council support would give it further credibility. A commemoration also provides an opportunity to publicise the flood warning services which have been developed, the flood mitigation measures which have been adopted and the steps which people can take to prepare for future floods: all of these themes can be taken up in newspaper articles and in interviews on local radio stations. Extracts from the community flood education strategy should be made available to newspapers and radio stations for use in articles and interviews.

- Partnerships should be purposefully created between emergency services and other stakeholder organisations on the one hand and community representatives on the other. The organisations may include local councils, the appropriate water, catchment and emergency management/ counter disaster agencies and local or regional media organisations. Attention should be given to ensuring programs and activities are kept interesting, with appropriate variation of items and use of modern technology in the delivery. A great deal of the experience, knowledge and resources necessary to mount these campaigns will already be present within the community.
- Flood education programs should be repeated from time to time to maintain high levels of understanding of the threat and of the warning and other arrangements which have been devised. This is because community flood understanding will decline without periodic reminders, and because community composition will change over time as will the content of important documents, including the flood emergency plan. Repetition should incorporate new and updated material and, where appropriate, revised strategies. This is vital to keep the information fresh and relevant and to ensure it is presented in ways which compel attention.
- Where possible, links with other hazard education programs and processes should be sought. This is especially appropriate in rural and urban fringe areas where there may be opportunities to link with fire authority education programs. Flood education programs would also be well linked to education initiatives about catchment management. Such combinations will avoid duplication of effort and will utilise combined competencies and resources. Moreover, they recognise that the community tends to seek a 'one-stop-shop' for hazard education. Combined displays at events such as stalls and community barbeques or co-presenting at community group meetings offer opportunities.
- In all instances, campaigns should be incorporated in the local flood education strategy. This will be an effective way to design, implement and evaluate activities on an ongoing and formal basis. The strategy should be 'driven' by the local flood education committee with the purpose of creating a flood-resilient community. The key principle is to seek engagement at the local level by local people.
- Community Service Announcements (CSAs) about flooding should be played over radio and television to publicise the existence of flood problems and their management. These would highlight the need to listen to advice given over the radio or by doorknockers and to take appropriate action when floods are imminent. The CSAs should be no longer than 30 seconds each and should be used just before or during the flood season or as a flood is actually rising. Newspaper equivalents could also be devised. Stories could be developed incorporating the building of flood readiness throughout the year and triggering the actions required to maintain a level of readiness in the community.

- Public meetings could be held to launch, discuss or review the strategy and its provisions. Such meetings would normally be with people frequently or severely affected by flooding and could be held in conjunction with local flood lobby or residents' action group meetings. Engaging the community to be active participants in the planning and development of future strategies will give them ownership and will enable them to 'drive' local flood education.
- Flood markers indicating the heights reached by past floods in the area can be installed. The markers may be plates attached to power poles or other convenient, visible and permanent structures or specially constructed 'totem poles' or billboards noting the levels at which the various historical floods peaked. These should not be 'hidden' from view in parks well away from dwellings or business premises, although some business and council interests may argue against placing them near houses and business districts for fear of negative land value effects. These effects have been shown to be largely illusory (see Yeo, 2003). In addition the markers should indicate the heights reached in **actual** past floods rather than the heights which have been estimated for floods of specified annual exceedence probabilities (eg the 5% or 1% AEP floods): these lack realism and resonance in the minds of community members. An unveiling of the signs could be used to publicise the risk of flooding to the community and to 'connect' in people's minds the flood heights noted with the warning services provided.
- Height levels on key gauges for which flood warnings are provided are often located at bridges and causeways and should be clearly marked and visible from considerable distances. Such markings help people to obtain an idea of the flood levels forecast to be reached in flood warning messages and the areas which are likely to be inundated at those levels.
- Signage on evacuation routes indicating that the route is designated to specified communities during flood periods can be provided.
- Information (letterbox) drops using flood action guides, information on warning services and other printed material on floods can be valuable. These could be used for areas at high risk of flooding, such as caravan parks on river banks or residential, commercial and industrial areas located on low-lying floodplains. Equally, information could be made available in the form of kits at community shows and field days or in talks given by flood managers to schools, service clubs and other community groups. It could also be provided with council rates notices or other council communications with ratepayers. Such information should be customised to small areas and should focus on material which is specifically relevant to them (including maps showing the locations of evacuation centres and any designated evacuation routes). Local known areas that are subject to flooding should be noted. Specific information can also be translated into different languages.

- Photographic displays depicting the impact of past floods in the area provide graphic illustrations of the potential for flooding. Similarly, GIS outputs can be made available in libraries and schools to illustrate the extent and depth of inundation for floods of different severities. These need to be visually large and kept simple.
- School projects can be established on floods and flood management.
- Councils can be encouraged to strike multiple CD ROMs or videos containing flood information, including flood maps and plan extracts for issue or sale to the community. These could contain footage of recent floods and commentary linking the event to the local flood emergency plan and illustrating what people should do during future events. Videos of recent floods can help remind people of what flooding can do and how they should respond next time.
- Internet sites with information and interactive components can be developed.
- Flood commemorations to remind communities about past significant floods, especially those which occurred within the memory of the present community, can be held. Such commemorations could incorporate:
    - launches of flood plans,
    - displays of flood photographs and other memorabilia,
    - publicity being given to council flood maps and flood-related zoning of land,
    - guided tours to inspect local mitigation systems incorporating diversion channels (floodways), levees and spillways,
    - written or oral briefings about warning systems and how people can use the warnings issued, and
    - street parades featuring flood response agency personnel.

Private Flood Emergency Planning

Private flood planning should be encouraged for all individuals and families in flood-liable areas as well as for businesses, infrastructure operators and institutions (such as schools, nursing and retirement homes, libraries, art galleries, museums, jails and churches). People should be encouraged to write down the results of their planning and to store their plans in safe places. The plans should incorporate:

- information on the flood risk at the relevant dwelling, business location, infrastructural installation or institution. This information should include, where possible, estimates of the conditions (eg flood heights at the relevant flood warning gauge) in which inundation of the property and of

building floors would occur and at which local evacuation routes would be inundated,

- actions required to maintain the personal safety of the occupants of the site (including evacuation, specifying what needs to be done in preparing for evacuation and what route should be taken to reach safety);
- actions required to protect items of importance such as:
    - (in dwellings): photograph albums, other precious items of sentimental value such as family heirlooms, important papers and moveable furniture and furnishings, as well as family pets,
    - (in business premises): stock, records and computers and other equipment,
    - (for infrastructural operators): items that should be moved, raised or protected by flood barriers,
    - (in institutional premises): records, books, artworks and heritage items,
    - trigger points for action (for example, a flood warning indicating likely inundation of the property, or reaching floor levels, or being likely to close evacuation routes.
- reminder messages on the do's and don'ts of behaviour during floods (such as not entering floodwaters on foot or in vehicles).

Input for private flood plans should be obtained from community flood emergency plans, education strategies, council and emergency services information and by conducting workshops for residents, businesses, institutions and the operators of infrastructural assets. These workshops would seek to prompt people to define what needs to be protected, how the protection should be achieved and how an evacuation should be prepared for and undertaken.

Such planning can be facilitated by the provision of templates for private flood plans.

Ongoing Educational Initiatives

It is important that flood education programs, using strategies of the types outlined above, be carried out periodically to maintain and renew learning processes. They must be carefully planned to attain a critical mass of public interest, something which can be achieved by using several different initiatives in concert. Unlike many other types of community education that address everyday behaviours (eg health and road safety), flood education is 'challenged' because floods in most parts of Australia are not usually frequent and the time of occurrence of the next flood in a specified area cannot be known. To be effective, flood mitigation behaviours need to be learned and then maintained over what could be a long period of time.

In short, communities need to continually build and maintain their competencies and systems so that they are 'fit for use' when flooding occurs. Community education planning should be seen as an ongoing endeavour, not just a single campaign.

Evaluation

Evaluation should be an integral part of the local flood education plan and the campaign initiatives which flow from it. This evaluation will inform improvements for future programs and education activities. There are two categories of program evaluation (see Dufty, 2008). These are:

- **summative evaluation**, which measures the plan's success or failure by comparing outcomes with original goals, and
- **formative evaluation**, which measures the plan's progress against ongoing benchmarks and allows the Local Flood Education Committee to make 'course corrections'.

Evaluation of the plans and activities should use both types of evaluation. It should strive to gauge the appropriateness and effectiveness of the plans and the educational activities by measuring success in the following:

- delivery of the plan actions and education activities,
- levels of community preparedness,
- competencies and systems in place to adapt to a flood event,
- responses to flood events, including use of appropriate mitigation behaviours,
- recovery after a flood event, and
- learnings and improvements to preparedness, competencies and systems after a flood event.

A major tool in this evaluation should be social research to help measure these 'indicators of success'. This research can include surveying of landholders and others affected by flooding, as well as holding focus groups and debriefing meetings and recording oral histories. Anecdotal observations from landholders, community members and emergency agencies should be useful in adding to the more quantitative methods such as surveying.

Educating Decision Makers

Other people besides those with personal interests in flood-prone areas need to understand the flood threat and be encouraged to support the community education objective. Among the people who should be targeted by those who are responsible for community flood education are local government

councillors, who periodically make decisions about flood-liable areas (including decisions about flood markers and other signage or about development applications).

Some Community Flood Education Initiatives in Australia

Some particularly effective materials were developed in Victoria during the 1990s to communicate with and educate community members about flooding and flood warnings. This work involved cooperation between the Bureau of Meteorology, the State Emergency Service and local councils and produced excellent booklets which reminded people in flood-prone locations about past floods and provided tips on what to do to manage future ones (see, for example, Delatite Shire 1997 and Shire of Strathbogie 1997). Information on local flood risks and flood warning services was provided, as was encouragement to write personal (household or business) flood plans.

More recent initiatives of note include the NSW State Emergency Service's **Business FloodSafe** initiative (www.ses.nsw.gov.au/floodsafe/businesstoolkit), the Hunter-Central Rivers Catchment Management Authority's and NSW State Emergency Service's community flood education strategy, **Building Community Capacity for Flood Safety in Maitland and the Hunter Valley** (2006), and the Tasmanian Flood Warning Consultative Committee's **Floods and You** (www.ses.tas.gov.au/Publications/). In addition, the NSW State Emergency Service has produced dozens of brochures (called FloodSafe Guides) about flooding, flood warnings and flood management for individual communities across the state: these are aimed in some cases at communities of only a few scores of people. They are available from the organisation's website (www.ses.nsw.gov.au). In Queensland the Bureau of Meteorology provides flood material, including information on flood risks, flood forecasting and the interpretation of flood warnings, for individual river catchments (www.bom.gov.au/hydro/flood/qld/brochures/index.shtml). In South Australia, on-site meetings with individual householders and businesses have been conducted to discuss the flood problem at the site (Johnston et al, 2007), and a major FloodSafe Program developed by the State Emergency Service and councils has been developed (www.ses.sa.gov.au/site/community_safety/floodsafe.jsp)

Some of these sources present material in 'kit' form, some are for school projects and some are published as DVDs. They have been used to educate the members of flood-prone communities about the existence of flood problems, how to utilise flood warnings, how to plan for floods and what to do as a flood is approaching. Some of them also outline the educational strategies which have been employed in their areas.

Personnel in key governmental land use planning authorities, too, need to understand the need for community flood education and the difficulties which flood educators face. They should be appraised

of new flood risk information which should be applied to future land use planning reviews and should be made cognisant of the scale and difficulty of the flood education task.

Both these groups, if they permit excessive development in flood-liable areas, exacerbate the difficulties involved in community flood education by increasing the vulnerability of the community and ensuring that a larger educational task must be undertaken.

ANNEX A

Flood Intelligence Collection Sheet

Date: Unit: Observer: Contact No:

Time	Location	Description

Example

Time	Location	Description
0900	Smith St, Karodan	Six houses in lower end of Smith St flooded to one metre over-floor
0900	Thomas St, Karodan	Thomas Street beginning to flood. Water coming across from Regal Park
1100	Benson Hwy	Benson Hwy not flooded at Fords Bridge

Complete sheet by recording the **time** of observation, **location** of observation and flood **effects** observed

Remember it is just as important to record the observation of effects that are **not** occurring as it is to record the effects that **are** occurring

Return completed sheet to Planning Officer. Planning section to collate sheets and forward to Region Headquarters

ANNEX B

A Sample Flood Intelligence Record

Flood Intelligence Record

Nevagazunda Gauge – Station Number: 310065
Monday, 2 February, 2009

Accuracy:

Use this information as a guide to the possible effects of a flood. The card is based on estimates of flood behaviour and particular effects may occur at heights different from those indicated here. They may also occur at slightly different heights in different floods.

Confidentiality:

This card may contain sensitive information about the effects of flooding on private property. Specific reference to private addresses or businesses must be made directly to owners or other emergency services but **not** via broadcast or print media.

Stream: Stopper River

Gauge Zero: 0.0m

Location: Located on the Nevagazunda Bridge over the Stopper River

Datum Type: AHD

Minor: 1.5m **Moderate:** 2.5m **Major:** 5.0m **Levee Height:** 5.0m

Note: The Bureau of Meteorology is generally able to predict flood heights 12 hours in advance of major flooding at Nevagazunda.

Height (m)	Consequences
1.50	Water starts to break out of the Stopper River, flooding low-lying farmland to the south of Nevagazunda. Livestock and equipment need to be relocated to higher ground.
2.50	1 in 10 year flood level.
	The town common is flooded. This is a popular spot for campers during the summer months and during the annual Knee Knockers festival held in the last week of February. At the peak of the festival, up to 1000 tent sites may be occupied.
	Deck height of the old bridge over Kneys Creek. During flooding on the Stopper River, water can back up along Kneys Creek, closing this bridge and isolating up to 20 rural acreages east of Nevagazunda. During past flood events, access from these properties into town has been lost for up to one week.
3.50	The Nevagazunda Caravan Park is flooded. The van park has a normal occupancy of 50 people, but this can rise during peak periods to over 300. The park consists of 40 van sites, 10 of which are permanent, and 70 tent sites. Note: tent sites are located close to the river bank.

5.0	Peak height, 3 October 1974. During this event, a flood runner crossed Bank Road closing it to all traffic.
	1 in 20 year flood level. This is the design height of the Old Nevagazunda levee. The overtopping or failure of this levee will result in over-floor flooding of 100 residential properties and approximately 40 businesses in Old Nevagazunda. A further 20 residences will have flooding in their yards. There is a large proportion of elderly persons living in this area.
	Widespread rural flooding occurs in the areas south of Nevagazunda and approximately 15 rural homesteads are inundated over floor level.
5.50	Crest height of the Old Nevagazunda levee. The western approach to the Nevagazunda bridge over the Stopper River (on Kings Road) is now closed.
6.50	1 in 50 year flood level.
	200 residential properties and 50 businesses flooded over-floor in Old Nevagazunda. A further 40 residences experience flooding in their yards.
	Water breaks out of the eastern bank of the Stopper River and flows into the lower south-western part of the Nevagazunda Central Business District (CBD), inundating 20 to 30 businesses premises.
	The northern approach to the Kneys Creek Bridge closes at the intersection of the Central Highway and Bank Road.
	All access roads to and from the Swampy Heights area are now closed by floodwater except the Queens Road. This road stays open until the 1% flood height (7.0 metres).
7.00	1 in 100 year flood level
	Queens Road is closed to all traffic. This is the last evacuation route from Swampy Heights. Swampy Heights becomes a flood island. Further river rises will result in the flooding of properties in Swampy Heights.
	300 residential properties and 70 businesses flooded over-floor in Old Nevagazunda. A further 20 residences experience flooding in their yards.
	Extensive rural flooding downstream of Nevagazunda with up to 30 rural homesteads inundated and many more isolated.
7.10	Floodwaters begin to enter Swampy Heights. Approximately 500 properties experience flooding of their yards.
7.60	Approximately 500 homes in the Swampy Heights area have flooding over the floor up to 0.1 metres deep.
7.80	Approximately 1000 residential properties in Swampy Heights experience over-floor flooding up to 0.3 to 1 metre deep.
	A minimum of 9 hours is required to evacuate Swampy Heights (assumes 28 doorknocking teams available).
9.50	90 businesses in the Nevagazunda CBD are flooded over floor by this height.

10.50	1 in 200 year flood level.
	400 residential properties and 90 businesses flooded over-floor in Old Nevagazunda. 1000 residential properties experience over-floor flooding (2.8 to 3.0 metres deep) in Swampy Heights. 160 businesses flooded over-floor in the Nevagazunda CBD.
11.20	Probable Maximum Flood (PMF) level.
	500 residential properties and 120 businesses flooded over-floor in Old Nevagazunda. 1000 residential properties flooded over-floor in Swampy Heights (3.5 to 3.7 metres deep). 250 businesses flooded over-floor in Nevagazunda CBD.

ANNEX C

A Checklist for Vetting for Quality

Preferably, evaluation of a plan should be carried out by people who have experience in emergency management but who were not involved in writing the plan. This will help make sure the appraisal is undertaken with appropriate detachment. The evaluation should involve an assessment of the plan's technical suitability to its purpose – that is, the likely effectiveness of its management provisions – and an examination of the level of community ownership and support it has achieved and is likely to achieve with any educational program it proposes.

Evaluating the Flood Emergency Plan

Evaluation of a flood emergency plan must be rigorous. Flaws should be detected and rectified. It must ensure the plan meets the requirement of providing 'an organised method by which things are to be done', it must have a clear statement of intent and objectives, and it must be easy to read and comprehend. In short, it must be 'fit for purpose'.

The following checklist is not exhaustive but the flood emergency plan should be assessed against the following criteria after preparation and periodically thereafter:

Authority: Does the plan clearly state the source of its authority?

Ownership: Is there evidence that the plan is owned and accepted by the community? Do the members of the community know about it and understand its elements? Is there an effective program to increase and then maintain community understanding, acceptance and ownership of the plan?

Objectives: Is the plan easy to read? Does it have a clear statement of intent and objectives?

Scope: Does the plan clearly set out its scope? Does it identify such things as any assumptions used in its preparation, any limitations imposed on it, the range of events it has been written for and the relationship between it and any other management plans?

Flexibility: Does the plan allow flexibility of approach so that it can meet unexpected operational realities? Does it allow for 'what if' questions to be asked?

Scale: Does the plan clearly define the scale (magnitude) of the flood events it covers, with different procedures for events of differing scale if appropriate?

Completeness: Is the plan complete in terms of coverage of foreseeable problems and identified solutions to those problems?

Users: Does the plan clearly describe and meet the needs of the communities which are the subject of the plan? Does it identify the user groups, those involved in the preparation and those who will have to apply it?

Agencies' Needs and Responsibilities: Does the plan meet the needs of all who will use it? Is the relationship between different response agencies clearly spelled out? Can agencies and individuals quickly and easily identify their areas of responsibility?

Physical Description: Does the plan contain sufficient information in words, maps, tables and drawings about the characteristics of the area covered for an outsider to understand both the area and the hazard without referring to other documents?

Hazard Analysis: Does the plan contain a concise statement of the results of the hazard analysis undertaken as part of its preparation?

Community Analysis: Does the plan contain a concise analysis of the community at risk from flooding of whatever relevant type?

Lifelines: Does the plan contain a concise analysis of community lifelines in relation to service delivery and infrastructure support? Does it identify any vulnerabilities and propose treatments or actions?

Activation: Does the plan clearly state the triggering processes for its activation? This should specify who can activate the plan and what notification procedures will follow.

Management: Does the plan clearly set out the responsibilities that will prevail once the plan is activated and who is in overall control? Does the plan detail the management systems to be used in various phases (eg warning, response and recovery) of an event?

Review: Is there an effective review process which includes community education and involvement and which ensures currency of the plan? Will the reviews be capable of identifying and responding to changes in the flood threat, the community at risk and the agencies and organisations with roles to play?

Standing Operating Procedures (SOPs): Do the agencies listed in the plan have detailed procedures as to how specific activities are to be undertaken or how sectors are to be managed?

Document Management: Has the plan been prepared in a practical way that allows for ease of amendment? Is it complete with a distribution list and an amendment list? Does the plan contain a glossary of terms that may not be known to users? Does it use appropriate practices with regard to numbering, tracing and updating copies?

ANNEX D

Floodplain Classifications

Access road cut and no overland or alternative road access possible	Island below predicted flood level	N/A	**Low flood island** ('shrinking island')
	Island above PMF	May or may not have failed	**High flood island**
Access road cut and no overland or alternative road access possible	Below predicted flood level	N/A	**Low trapped perimeter**
	Above PMF	May or may not have failed	**High trapped perimeter**
Access road cut but overland escape/rescue possible on foot or AWD vehicle	Below predicted flood level	N/A	**Overland escape route**
Access uninterrupted and via all-weather rising road (usual route or alternative)	Below predicted flood level	N/A	**Rising road access**
Access uninterrupted and via all-weather rising road (usual route or alternative)	Above predicted flood level	One or more services failed	**Indirectly affected area**

Acronyms and Glossary

AEP: Annual Exceedence Probability
The chance, expressed as a percentage, of a flood equalling or exceeding a given size (usually measured as the peak height recorded at a gauge)

ARI: Average Recurrence Interval
The long-term average length of time between floods of a specified size at a given location, expressed in years.

CSA: Community Service Announcement
An announcement made over the electronic media, often about emergency matters and intended to be of community benefit.

DCF: Dam Crest Flood
A flood which reaches the crest of a dam wall.

Floodplain
The land which may be covered by water when a river overflows its banks during a flood. The extent of a floodplain will normally be greater than the area covered in the 1% AEP flood, its ultimate extent being defined by the PMF.

GIS: Geographic Information System
A computerised database for the capture, storage, analysis and display of locationally defined information. Commonly, a GIS portrays a portion of the earth's surface in the form of a map on which information is overlaid.

GPS: Global Positioning System
A satellite-based navigational system used for determining location, often expressed as a peak height at a gauge.

IFF: Imminent Failure Flood (for a dam)
A flood which, if exceeded, will cause a dam to fail.

PMF: Probable Maximum Flood
An estimation of the largest flood that could occur at a particular location.

SEWS: Standard Emergency Warning Signal
A specific siren sound, designed for playing over the electronic media, to alert people to an emergency announcement that is about to be made.

SOPs: Standing Operating Procedures.

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Manual 21 **Flood Warning**

Manual 22 **Flood Response**

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Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(01)"

FLDWARN Coastal Rs Cooktown Townsville

1 December 2010 to 31 January 2011

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TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 4:45 PM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall is forecast to affect the coastal areas between
Cooktown and Townsville overnight and during saturday. Based on rainfall
currently being observed in the Barron catchment, river level rises with some
flooding are likely in coastal catchments including the Herbert River.

The heaviest rainfall totals recorded in the 6 hours to 5pm in the Barron
catchment include Bilwon 68mm, Flaggy Creek 51mm and Bolton Road 53mm.


BARRON RIVER
Minor flooding is occurring at Bilwon with further rises likely tonight.

MULGRAVE RIVER
Minor flooding likely at The Fisheries during Friday evening.


The situation will continue to be monitored and flood warnings for individual
rivers will be issued if required.

Next Issue:
The next warning will be issued by 8am Saturday or earlier if necessary.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 11:04 PM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall is forecast to affect the coastal areas between Cooktown and Townsville overnight and during saturday. Based on rainfall currently being observed in the Barron catchment, river level rises with some flooding are likely in coastal catchments including the Herbert River.

The heaviest rainfall totals recorded since 9am Friday include Bilwon 95mm, Flaggy Creek 83mm and Simmonds Creek 107mm.

BARRON RIVER
Minor flooding is occurring at Bilwon, Bolton Road and Mareeba with further rises possible tonight.

MULGRAVE RIVER
Minor flooding is rising at The Fisheries.

The situation will continue to be monitored and flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued by 8am Saturday or earlier if necessary.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 11:11 PM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall is forecast to affect the coastal areas between Cooktown and Townsville overnight and during saturday. Based on rainfall currently being observed in the Barron catchment, river level rises with some flooding are likely in coastal catchments including the Herbert River.

The heaviest rainfall totals recorded since 9am Friday include Bilwon 95mm, Flaggy Creek 83mm and Simmonds Creek 107mm.

BARRON RIVER
Minor flooding is occurring at Bilwon, Bolton Road and Mareeba with further rises possible tonight.

MULGRAVE RIVER
Minor flooding is rising at The Fisheries.

MURRAY RIVER
Minor flooding is rising in the upper Murray. Minor to moderate flood levels are likely at Murray Flats during the weekend.

HERBERT RIVER
Minor flooding is occurring at Nash's Crossing

The situation will continue to be monitored and flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued by 8am Saturday or earlier if necessary.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 8:01 AM on Saturday the 22nd of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall is forecast to affect the coastal areas between Cooktown and Townsville today. River level rises with some flooding are likely in coastal catchments including the Herbert River.

The heaviest rainfall totals recorded since 9am Friday include Clyde Road 113mm, Flaggy Creek 103mm and Bartle View 125mm.

BARRON RIVER
Minor flooding is occurring at Bilwon. Further rises are possible with continued rainfall.

MULGRAVE RIVER
Minor flooding is rising at The Fisheries.

TULLY/MURRAY RIVERS

Minor flooding is rising in the upper Murray. Minor flood levels are likely at Murray Flats during the weekend.

Minor flood levels are likely at Euramo overnight tonight.

HERBERT RIVER
Minor flooding is rising at Nash's Crossing.

The situation will continue to be monitored and flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued by noon Saturday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 11:34 AM on Saturday the 22nd of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall is forecast to affect the coastal areas between Cooktown and Townsville today. River level rises with some flooding are likely in coastal catchments including the Herbert River.

The heaviest rainfall totals recorded in the 24 hours to 11am Saturday include Clyde Road 27mm, Flaggy Creek 102mm and Bartle View 137mm.

BARRON RIVER
Minor flooding is occurring at Bilwon. Further rises are possible with continued rainfall.

MULGRAVE/RUSSELL RIVERS
Minor flooding is rising at The Fisheries and at Clyde Road.

TULLY/MURRAY RIVERS
Minor flooding is rising in the upper Murray. Minor flood levels are possible at Murray Flats during the weekend.

Minor flood levels are likely at Euramo overnight tonight.

HERBERT RIVER

Minor flooding is rising at Nash's Crossing.

The situation will continue to be monitored and flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued by 9am Sunday or before if required.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 8:52 AM on Sunday the 23rd of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall has moved off the coastline, although continued scattered showers are forecast during Sunday afternoon and evening, with isolated thunderstorms inland. Renewed stream rises are likely with further heavy rainfall.

Minor flooding continues to rise at Euramo on the Tully River. Some minor flooding is easing in the Mulgrave and Russell Rivers.

BARRON RIVER:
River levels are easing across the Barron River catchment during Sunday morning. Further rises are possible with continued rainfall.

MULGRAVE/RUSSELL RIVERS:
Minor flooding is easing in the Mulgrave River at The Fisheries, and in the Russell River at Clyde Road.

TULLY/MURRAY RIVERS:
River levels are rising in the upper Murray, with minor flooding possible at Murray Flats during Sunday with further heavy rainfall.

Minor flooding continues to rise in the Tully River at Euramo. At 7am Sunday the river level was at 6.64 metres, which is about 2.06 metres below the level of the approaches to the new Tully River Bridge.

HERBERT RIVER:

Minor flooding is easing at Nash's Crossing.

The situation will continue to be monitored and flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued at about 5pm Sunday, or earlier if required.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 9:01 AM on Sunday the 23rd of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall has moved off the coastline, although continued scattered showers are forecast during Sunday afternoon and evening, with isolated thunderstorms inland. Renewed stream rises are likely with further heavy rainfall.

There is a Tropical Cyclone Information Bulletin current for TC Anthony situated in the Coral Sea. For more detail see: www.bom.gov.au/qld/warnings .

Minor flooding continues to rise at Euramo on the Tully River. Some minor flooding is easing in the Mulgrave and Russell Rivers.

BARRON RIVER:
River levels are easing across the Barron River catchment during Sunday morning. Further rises are possible with continued rainfall.

MULGRAVE/RUSSELL RIVERS:
Minor flooding is easing in the Mulgrave River at The Fisheries, and in the Russell River at Clyde Road.

TULLY/MURRAY RIVERS:
River levels are rising in the upper Murray, with minor flooding possible at Murray Flats during Sunday with further heavy rainfall.

Minor flooding continues to rise in the Tully River at Euramo. At 7am Sunday the river level was at 6.64 metres, which is about 2.06 metres below the level of the approaches to the new Tully River Bridge.

HERBERT RIVER:
Minor flooding is easing at Nash's Crossing.

The situation will continue to be monitored and flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued at about 5pm Sunday, or earlier if required.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602+BOM628+BOM604

IDQ20700

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
Issued at 4:41 PM on Sunday the 23rd of January 2011
by the Bureau of Meteorology, Brisbane.

There has been less than 2mm rainfall since 9am Sunday across parts of the North Tropical Coast and Tablelands district. A Tropical Cyclone Information Bulletin and Track Map is current for TC Anthony at: www.bom.gov.au/qld/warnings .

River levels are easing across the coastal rivers and streams between Cooktown and Townsville, with minor flooding at a peak in the Tully River at Euramo.

MULGRAVE/RUSSELL RIVERS:
River levels have eased below minor in the Mulgrave River at The Fisheries. Minor flooding is also slowly easing in the Russell River at Clyde Road.

TULLY/MURRAY RIVERS:
River levels remain near a peak below minor flood level in the Murray River at Murray Flats. Minor flooding has peaked in the Tully River at Euramo, where at 4pm Sunday the river level was at 6.69 metres and easing slowly.

HERBERT RIVER:
Minor flooding is generally easing at Nash's Crossing.

Weather Forecast:
A few showers. The chance of a thunderstorm during this afternoon and evening.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(02)"

FLDWARN for the Mulgrave Russell Rivers

1 December 2010 to 31 January 2011

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TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 11:05 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Some moderate to heavy rain tonight is causing renewed river rises in the
Russell-Mulgrave Rivers and nearby coastal streams. Although river levels are
currently only around minor flood level or below, with the forecast heavy rains,
continued river rises to possible moderate flood levels are likely during
Saturday. Some localised and flash flooding is expected to continue throughout
the area tonight and Saturday.


Further north, river levels in the Barron River system around Mareeba and Cairns
are well below minor flood levels tonight. Some rises towards minor to moderate
flood levels may be experienced during Saturday, but this will require more
intense rains to commence in the Barron catchment. Warnings for the Barron River
will commence if this occurs.

Next Issue:
The next warning will be issued at about 7am Saturday or earlier if required.

Latest River Heights:
Mulgrave R at The Fisheries #  3.5m steady   10:32 PM FRI 24/12/10
Mulgrave R at Peets Bridge #   4.85m rising  10:42 PM FRI 24/12/10
Mulgrave R at Gordonvale #     11.06m rising 10:49 PM FRI 24/12/10
Russell R at Clyde Rd #         0.51m steady  09:32 PM FRI 24/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
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Issued at 6:13 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with TC Tasha has resulted in fast river level rises in the last few hours along the Russell and Mulgrave Rivers.

MULGRAVE RIVER
Major flood levels are likely at Fisheries this morning and moderate flood levels are forecast at Peets Bridge. At Gordonvale, a level in excess of 13 metres is forecast during today with further rises occurring. Major flood levels are possible at Gordonvale as rainfall continues.

RUSSELL RIVER
Moderate flood levels are of at least 7.5 metres predicted for Bucklands today. Moderate flood levels are expected at Clyde Road. Further rises will occur as rainfall continues.

Further north, river levels in the Barron River system around Mareeba and Cairns are below minor flood levels. Some rises towards minor to moderate flood levels may be experienced during Saturday, but this will require more intense rains to fall in the Barron catchment. Warnings for the Barron River will commence if this occurs.

Next Issue:
The next warning will be issued at about 11am Saturday or earlier if required.

Latest River Heights:

Mulgrave R at The Fisheries #	6.3m rising	05:51 AM SAT 25/12/10
Mulgrave R at Peets Bridge *	5.75m rising	05:30 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	6m rising	05:51 AM SAT 25/12/10
Mulgrave R at Gordonvale #	12.26m rising	05:50 AM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	3.08m rising	05:40 AM SAT 25/12/10
Russell R at Bucklands *	6.49m rising	05:40 AM SAT 25/12/10
Russell R at Clyde Rd#	0.81m steady	05:49 AM SAT 25/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 8:18 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall is easing in the Russell and Mulgrave Rivers. Fast river rises to major flood levels have been recorded but are expected to peak within the next

few hours at Gordonvale and upstream.

MULGRAVE RIVER
Major flood levels are expected to peak during the next couple of hours at The Fisheries crossing and Peets Bridge. At Gordonvale, a major flood peak of about 15.5 metres is expected before midday Saturday. This level is similar to the March 2008 flood.

RUSSELL RIVER
Moderate flood levels are of about 7.5 metres are predicted for Bucklands today. Moderate flooding is expected to continue downstream at Clyde Road until Sunday.

BARRON RIVER
River levels in the Barron River system around Mareeba and Cairns are expected to remain below minor flood levels during Saturday.

Predicted River Heights/Flows:
Gordonvale peak of about 15.5 metres is expected before midday Saturday
Bucklands peak of about 7.5 metres during Saturday

Next Issue:
The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	9.0 m rising	08:00 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	8.95m rising	08:00 AM SAT 25/12/10
Mulgrave R at Gordonvale #	14.11m rising	08:00 AM SAT 25/12/10
Russell R at Bucklands *	6.54m rising	05:50 AM SAT 25/12/10
Babinda Ck at The Boulders *	6.03m rising	05:50 AM SAT 25/12/10
Russell R at Clyde Rd#	0.91m rising	07:00 AM SAT 25/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 10:02 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has eased in the Russell and Mulgrave Rivers. Fast river rises to major flood levels have been recorded but are expected to peak within the next few hours at Gordonvale and upstream.

MULGRAVE RIVER
Major flood levels have just peaked in the past 2 hours at The Fisheries

crossing and Peets Bridge. Higher than expected levels are being recorded downstream at Gordonvale, but it is expected to peak quickly during the next couple of hours. At Gordonvale, a major flood peak of about 16.5 metres is expected before midday Saturday. This level is about one metre higher than the March 2008 flood and highest level since 1977.

RUSSELL RIVER
Moderate flood levels are of about 7.5 metres are predicted for Bucklands today. Moderate flooding is expected to continue downstream at Clyde Road until Sunday.

BARRON RIVER
River levels in the Barron River system around Mareeba and Cairns are expected to remain below minor flood levels during Saturday.

Predicted River Heights/Flows:
Gordonvale peak of about 16.5 metres is expected before midday Saturday
Bucklands peak of about 7.5 metres during Saturday

Next Issue:
The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	6.15m	falling	09:52 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	9.7m	steady	09:52 AM SAT 25/12/10
Mulgrave R at Gordonvale #	16.31m	rising	09:50 AM SAT 25/12/10
Russell R at Bucklands *	7.23m	rising	08:20 AM SAT 25/12/10
Russell R at Clyde Rd#	1.06m	rising	09:31 AM SAT 25/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 1:33 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing on the Mulgrave River at Gordonvale following a peak recorded during Saturday morning. Minor to moderate flood levels are generally falling elsewhere in the Mulgrave and Russell Rivers.

River levels in the Barron River system around Mareeba and Cairns are expected to continue to remain below minor flood levels during Saturday.

MULGRAVE RIVER:
Minor to moderate flooding is easing during Saturday afternoon between The Fisheries and Peets Bridge. Major flood levels are also easing at Gordonvale

where a major flood peak to 16.37 metres was recorded at about 10:30am Saturday. At 1pm Saturday, the river level at Gordonvale was 15.31 metres and falling.

RUSSELL RIVER:
Moderate flood levels remain at a peak of 7.85 metres at Bucklands with river levels expected to commence to ease during Saturday afternoon. Moderate flooding downstream at Clyde Road is expected to remain high until Sunday, where at 1pm Saturday river levels remain about 1.1 metres above the level of the bridge.

Next Issue:
The next warning will be issued at about 5.30pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	3.65m	falling	12:55 PM SAT 25/12/10
Mulgrave R at Peets Bridge #	7.2m	falling	01:09 PM SAT 25/12/10
Mulgrave R at Gordonvale #	15.31m	falling	01:07 PM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	3.54m	rising	11:40 AM SAT 25/12/10
Russell R at Bucklands *	7.85m	falling	11:30 AM SAT 25/12/10
Babinda Ck at The Boulders *	2.61m	falling	09:20 AM SAT 25/12/10
Russell R at Clyde Rd#	1.11m	falling	11:40 AM SAT 25/12/10
Gwynne Ck at Schoorls *	3.02m	rising	08:10 AM SAT 25/12/10
Leslie Ck at Leslie Ck *	3.75m	rising	12:00 PM SAT 25/12/10
Barron R at Goonara Creek *	8.28m	steady	12:00 PM SAT 25/12/10
Barron R at Picnic Crossing *	3.19m	rising	08:20 AM SAT 25/12/10
Mazlin Ck at Rail Bridge *	3.19m	falling	12:10 PM SAT 25/12/10
Barron R at Tinaroo Dam #	-0.51m	rising	01:29 PM SAT 25/12/10
Barron R at Mareeba #	3.33m	falling	01:22 PM SAT 25/12/10
Barron R at Bilwon #	4.81m	steady	01:21 PM SAT 25/12/10
Clohesy R at Bolton Road #	2.43m	falling	01:26 PM SAT 25/12/10
Flaggy Ck at Flaggy Ck #	2.76m	rising	12:18 PM SAT 25/12/10
Barron R at Myola #	3.41m	falling	01:25 PM SAT 25/12/10
Barron R at L Placid #	8.12m	steady	11:54 AM SAT 25/12/10
Barron R at Kamerunga Br #	2.19m	falling	01:25 PM SAT 25/12/10
Freshwater Ck at Copperlode Dam #	0.39m	steady	11:07 AM SAT 25/12/10
Freshwater Ck at Redlynch #	2.46m	falling	12:57 PM SAT 25/12/10
Barron R at Cairns Airport #	1.43m	falling	01:23 PM SAT 25/12/10
Cairns Harbour tide *	2.96m	steady	01:20 PM SAT 25/12/10
Hills Ck at Hamilton Rd *	1.55m	rising	09:20 AM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 5:18 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease along the Mulgrave River, with moderate flooding also easing on the Russell River at Bucklands. River levels in the Barron River system around Mareeba and Cairns are expected to continue to remain below minor flood levels overnight Saturday.

The situation will continue to be monitored and warnings will re-commence if necessary.

MULGRAVE RIVER:
Minor flooding continues to ease between The Fisheries and Peets Bridge, with moderate flood levels also easing at Gordonvale. At 5pm Saturday, the river level at Gordonvale was 13.46 metres and falling, which is about 0.58 metres below the level of old Bruce Highway bridge.

RUSSELL RIVER:
Moderate flooding has commenced to slowly ease at Bucklands, with moderate flood levels downstream at Clyde Road expected to remain high overnight Saturday, and then commence to ease during Sunday morning.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Mulgrave R at The Fisheries #	3.1m falling	04:48 PM SAT 25/12/10
Mulgrave R at Peets Bridge #	5.2m falling	04:59 PM SAT 25/12/10
Mulgrave R at Gordonvale #	13.46m falling	05:04 PM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	2.95m falling	02:40 PM SAT 25/12/10
Russell R at Bucklands *	7.75m falling	02:40 PM SAT 25/12/10
Russell R at Clyde Rd#	1.11m falling	05:05 PM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(03)"

FLDWARN for the Mulgrave Russell Rivers

1 December 2010 to 31 January 2011

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TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 11:05 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Some moderate to heavy rain tonight is causing renewed river rises in the
Russell-Mulgrave Rivers and nearby coastal streams. Although river levels are
currently only around minor flood level or below, with the forecast heavy rains,
continued river rises to possible moderate flood levels are likely during
Saturday. Some localised and flash flooding is expected to continue throughout
the area tonight and Saturday.


Further north, river levels in the Barron River system around Mareeba and Cairns
are well below minor flood levels tonight. Some rises towards minor to moderate
flood levels may be experienced during Saturday, but this will require more
intense rains to commence in the Barron catchment. Warnings for the Barron River
will commence if this occurs.

Next Issue:
The next warning will be issued at about 7am Saturday or earlier if required.

Latest River Heights:
Mulgrave R at The Fisheries #  3.5m steady   10:32 PM FRI 24/12/10
Mulgrave R at Peets Bridge #   4.85m rising  10:42 PM FRI 24/12/10
Mulgrave R at Gordonvale #     11.06m rising 10:49 PM FRI 24/12/10
Russell R at Clyde Rd #         0.51m steady  09:32 PM FRI 24/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 6:13 AM on Saturday the 25th of December 2010
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by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with TC Tasha has resulted in fast river level rises in the last few hours along the Russell and Mulgrave Rivers.

MULGRAVE RIVER
Major flood levels are likely at Fisheries this morning and moderate flood levels are forecast at Peets Bridge. At Gordonvale, a level in excess of 13 metres is forecast during today with further rises occurring. Major flood levels are possible at Gordonvale as rainfall continues.

RUSSELL RIVER
Moderate flood levels are of at least 7.5 metres predicted for Bucklands today. Moderate flood levels are expected at Clyde Road. Further rises will occur as rainfall continues.

Further north, river levels in the Barron River system around Mareeba and Cairns are below minor flood levels. Some rises towards minor to moderate flood levels may be experienced during Saturday, but this will require more intense rains to fall in the Barron catchment. Warnings for the Barron River will commence if this occurs.

Next Issue:
The next warning will be issued at about 11am Saturday or earlier if required.

Latest River Heights:

Mulgrave R at The Fisheries #	6.3m rising	05:51 AM SAT 25/12/10
Mulgrave R at Peets Bridge *	5.75m rising	05:30 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	6m rising	05:51 AM SAT 25/12/10
Mulgrave R at Gordonvale #	12.26m rising	05:50 AM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	3.08m rising	05:40 AM SAT 25/12/10
Russell R at Bucklands *	6.49m rising	05:40 AM SAT 25/12/10
Russell R at Clyde Rd#	0.81m steady	05:49 AM SAT 25/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 8:18 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall is easing in the Russell and Mulgrave Rivers. Fast river rises to major flood levels have been recorded but are expected to peak within the next few hours at Gordonvale and upstream.

MULGRAVE RIVER
Major flood levels are expected to peak during the next couple of hours at The Fisheries crossing and Peets Bridge. At Gordonvale, a major flood peak of about 15.5 metres is expected before midday Saturday. This level is similar to the March 2008 flood.

RUSSELL RIVER
Moderate flood levels are of about 7.5 metres are predicted for Bucklands today. Moderate flooding is expected to continue downstream at Clyde Road until Sunday.

BARRON RIVER
River levels in the Barron River system around Mareeba and Cairns are expected to remain below minor flood levels during Saturday.

Predicted River Heights/Flows:
Gordonvale peak of about 15.5 metres is expected before midday Saturday
Bucklands peak of about 7.5 metres during Saturday

Next Issue:
The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	9.0 m	rising	08:00 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	8.95m	rising	08:00 AM SAT 25/12/10
Mulgrave R at Gordonvale #	14.11m	rising	08:00 AM SAT 25/12/10
Russell R at Bucklands *	6.54m	rising	05:50 AM SAT 25/12/10
Babinda Ck at The Boulders *	6.03m	rising	05:50 AM SAT 25/12/10
Russell R at Clyde Rd#	0.91m	rising	07:00 AM SAT 25/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 10:02 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has eased in the Russell and Mulgrave Rivers. Fast river rises to major flood levels have been recorded but are expected to peak within the next few hours at Gordonvale and upstream.

MULGRAVE RIVER
Major flood levels have just peaked in the past 2 hours at The Fisheries crossing and Peets Bridge. Higher than expected levels are being recorded

downstream at Gordonvale, but it is expected to peak quickly during the next couple of hours. At Gordonvale, a major flood peak of about 16.5 metres is expected before midday Saturday. This level is about one metre higher than the March 2008 flood and highest level since 1977.

RUSSELL RIVER
Moderate flood levels are of about 7.5 metres are predicted for Bucklands today. Moderate flooding is expected to continue downstream at Clyde Road until Sunday.

BARRON RIVER
River levels in the Barron River system around Mareeba and Cairns are expected to remain below minor flood levels during Saturday.

Predicted River Heights/Flows:
Gordonvale peak of about 16.5 metres is expected before midday Saturday
Bucklands peak of about 7.5 metres during Saturday

Next Issue:
The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	6.15m	falling	09:52 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	9.7m	steady	09:52 AM SAT 25/12/10
Mulgrave R at Gordonvale #	16.31m	rising	09:50 AM SAT 25/12/10
Russell R at Bucklands *	7.23m	rising	08:20 AM SAT 25/12/10
Russell R at Clyde Rd#	1.06m	rising	09:31 AM SAT 25/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 1:33 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing on the Mulgrave River at Gordonvale following a peak recorded during Saturday morning. Minor to moderate flood levels are generally falling elsewhere in the Mulgrave and Russell Rivers.

River levels in the Barron River system around Mareeba and Cairns are expected to continue to remain below minor flood levels during Saturday.

MULGRAVE RIVER:
Minor to moderate flooding is easing during Saturday afternoon between The Fisheries and Peets Bridge. Major flood levels are also easing at Gordonvale where a major flood peak to 16.37 metres was recorded at about 10:30am Saturday.

At 1pm Saturday, the river level at Gordonvale was 15.31 metres and falling.

RUSSELL RIVER:
Moderate flood levels remain at a peak of 7.85 metres at Bucklands with river levels expected to commence to ease during Saturday afternoon. Moderate flooding downstream at Clyde Road is expected to remain high until Sunday, where at 1pm Saturday river levels remain about 1.1 metres above the level of the bridge.

Next Issue:
The next warning will be issued at about 5.30pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	3.65m	falling	12:55 PM SAT 25/12/10
Mulgrave R at Peets Bridge #	7.2m	falling	01:09 PM SAT 25/12/10
Mulgrave R at Gordonvale #	15.31m	falling	01:07 PM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	3.54m	rising	11:40 AM SAT 25/12/10
Russell R at Bucklands *	7.85m	falling	11:30 AM SAT 25/12/10
Babinda Ck at The Boulders *	2.61m	falling	09:20 AM SAT 25/12/10
Russell R at Clyde Rd#	1.11m	falling	11:40 AM SAT 25/12/10
Gwynne Ck at Schoorls *	3.02m	rising	08:10 AM SAT 25/12/10
Leslie Ck at Leslie Ck *	3.75m	rising	12:00 PM SAT 25/12/10
Barron R at Goonara Creek *	8.28m	steady	12:00 PM SAT 25/12/10
Barron R at Picnic Crossing *	3.19m	rising	08:20 AM SAT 25/12/10
Mazlin Ck at Rail Bridge *	3.19m	falling	12:10 PM SAT 25/12/10
Barron R at Tinaroo Dam #	-0.51m	rising	01:29 PM SAT 25/12/10
Barron R at Mareeba #	3.33m	falling	01:22 PM SAT 25/12/10
Barron R at Bilwon #	4.81m	steady	01:21 PM SAT 25/12/10
Clohesy R at Bolton Road #	2.43m	falling	01:26 PM SAT 25/12/10
Flaggy Ck at Flaggy Ck #	2.76m	rising	12:18 PM SAT 25/12/10
Barron R at Myola #	3.41m	falling	01:25 PM SAT 25/12/10
Barron R at L Placid #	8.12m	steady	11:54 AM SAT 25/12/10
Barron R at Kamerunga Br #	2.19m	falling	01:25 PM SAT 25/12/10
Freshwater Ck at Copperlode Dam #	0.39m	steady	11:07 AM SAT 25/12/10
Freshwater Ck at Redlynch #	2.46m	falling	12:57 PM SAT 25/12/10
Barron R at Cairns Airport #	1.43m	falling	01:23 PM SAT 25/12/10
Cairns Harbour tide *	2.96m	steady	01:20 PM SAT 25/12/10
Hills Ck at Hamilton Rd *	1.55m	rising	09:20 AM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 5:18 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease along the Mulgrave River, with

moderate flooding also easing on the Russell River at Bucklands. River levels in the Barron River system around Mareeba and Cairns are expected to continue to remain below minor flood levels overnight Saturday.

The situation will continue to be monitored and warnings will re-commence if necessary.

MULGRAVE RIVER:
Minor flooding continues to ease between The Fisheries and Peets Bridge, with moderate flood levels also easing at Gordonvale. At 5pm Saturday, the river level at Gordonvale was 13.46 metres and falling, which is about 0.58 metres below the level of old Bruce Highway bridge.

RUSSELL RIVER:
Moderate flooding has commenced to slowly ease at Bucklands, with moderate flood levels downstream at Clyde Road expected to remain high overnight Saturday, and then commence to ease during Sunday morning.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Mulgrave R at The Fisheries #	3.1m falling	04:48 PM SAT 25/12/10
Mulgrave R at Peets Bridge #	5.2m falling	04:59 PM SAT 25/12/10
Mulgrave R at Gordonvale #	13.46m falling	05:04 PM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	2.95m falling	02:40 PM SAT 25/12/10
Russell R at Bucklands *	7.75m falling	02:40 PM SAT 25/12/10
Russell R at Clyde Rd#	1.11m falling	05:05 PM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(04)"

FLDWARN for the Tully and Murray Rivers

1 December 2010 to 31 January 2011

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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL RIVERS
Issued at 8:53 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall overnight and this morning has caused fast river rises and minor
flooding in the Tully River and adjacent coastal rivers including the Mulgrave
River and along the lower Herbert River in the Abergowrie area and in the Stone
River at Peacock Siding.

Minor flood levels are rising in the lower Tully River at Euramo, with further
river levels expected with the onset of continued heavy rainfall. River levels
on the Murray River at Murray Flats are expected to reach the minor flood level
during Thursday.

The heaviest rainfall totals recorded since 9am Wednesday include Abergowrie
Bridge 260mm, Peacock Siding 149mm, and generally in excess of 100mm across the
coastal areas between Ingham and Gordonvale.

Minor flooding is occurring at Euramo on the Tully River, with renewed rises
occurring with the heavy rainfall during Thursday morning. At 8.30am Thursday,
the river level at Euramo was 6.19 metres and rising with minor flooding, which
is about . This level is about 2.5 metres below the level of the Bruce Highway
(8.7 metres).

Minor flooding is rising along the Mulgrave River between The Fisheries and
Peets Bridge, with river levels expected to remain below minor at Gordonvale.
River rises are also occurring along the lower Russell River in the Clyde Road
area.


Weather Forecast:
Scattered showers, rain areas and isolated thunderstorms. Local moderate to
heavy falls possible.


Next Issue:
The next warning will be issued at about midday Thursday.

Latest River Heights:
Tully R at Tully Gorge N.P. * 1.76m rising 02:00 AM THU 23/12/10
Tully R at Bolinda Estate #   1.6m rising  07:32 AM THU 23/12/10
Tully R at Euramo #           6.19m steady 08:29 AM THU 23/12/10
Murray R at Upper Murray #    5.77m rising 08:32 AM THU 23/12/10
Murray R at Murray Flats #    5.36m rising 08:10 AM THU 23/12/10
Meunga Ck at Meunga Ck #      0.04m rising 08:16 AM THU 23/12/10
Clump Point tide *            1.99m rising 07:10 AM THU 23/12/10
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Cardwell tide *               1.59m rising 06:10 AM THU 23/12/10

Mulgrave R at The Fisheries #  3.6m falling  08:48 AM THU 23/12/10
Mulgrave R at Peets Bridge #   5.15m rising  08:44 AM THU 23/12/10
Mulgrave R at Gordonvale #     11.26m rising 08:46 AM THU 23/12/10
Russell R at Bucklands *       4.49m rising  08:20 AM THU 23/12/10
Russell R at Clyde Rd#         -0.24m rising 08:27 AM THU 23/12/10

*,# denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL RIVERS
Issued at 12:05 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

River rises and minor flooding continues in the Tully and Murray Rivers and
adjacent coastal rivers including the Mulgrave and Russell Rivers. Further heavy
rainfall is forecast which may result in higher levels going into the weekend.

Minor flooding continues to rise on the Tully River at Euramo, with a minor
flood peak expected overnight Thursday. At 11.30am Thursday, the river level at
Euramo was 6.44 metres and rising, which is about 2.2 metres below the level of
the Bruce Highway (8.7 metres).

Minor flooding is nearing a peak on the Murray River at Upper Murray, with river
rises continuing downstream at Murray Flats and minor flooding expected to
develop overnight Thursday and during Friday.

Further forecast heavy rainfall may result in higher river levels and possible
moderate flooding during the next 24 hours.


A flood warning is current for the lower Herbert River catchment.

Minor flooding continues along the Mulgrave River between The Fisheries and
Peets Bridge, with river levels expected to peak at about the minor flood level
of 12 metres at Gordonvale during Thursday afternoon. River rises continue along
the lower Russell River.


Predicted River Heights/Flows:
Tully River at:
Euramo               Minor flood peak to about 7.0 overnight Thursday.

Murray River at:
Murray Flats         Minor flooding to develop overnight Thursday.
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Weather Forecast:
Scattered showers and thunderstorms. Rain areas with possible local moderate to heavy falls.

Next Issue:
The next warning will be issued at about 4pm Thursday.

Latest River Heights:

Tully R at Tully Gorge N.P. *	2.03m	rising	08:00 AM THU 23/12/10
Tully R at Bolinda Estate #	1.7m	rising	10:28 AM THU 23/12/10
Tully R at Euramo #	6.44m	steady	11:29 AM THU 23/12/10
Murray R at Upper Murray #	6.52m	rising	11:32 AM THU 23/12/10
Murray R at Murray Flats #	5.61m	rising	10:59 AM THU 23/12/10
Meunga Ck at Meunga Ck #	0.17m	steady	11:33 AM THU 23/12/10
Clump Point tide *	3.2m	falling	11:00 AM THU 23/12/10
Cardwell tide *	3.73m	steady	11:10 AM THU 23/12/10
Mulgrave R at The Fisheries #	3.35m	rising	11:27 AM THU 23/12/10
Mulgrave R at Peets Bridge #	5.1m	falling	11:43 AM THU 23/12/10
Mulgrave R at Gordonvale #	11.81m	rising	11:11 AM THU 23/12/10
Russell R at Bucklands *	5.16m	rising	11:30 AM THU 23/12/10
Russell R at Clyde Rd#	-0.04m	rising	10:40 AM THU 23/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL RIVERS
Issued at 3:34 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues in the Tully River at Euramo and in the Mulgrave River at The Fisheries.

The rainfall has eased during Thursday with less than 10mm recorded since 9am Thursday. However further heavy rainfall is forecast for the coastal areas between Ingham and Cairns which may result in renewed rises and higher levels going into the weekend.

River rises have peaked on the Tully River at Bolinda Estate, with minor flooding continuing to rise downstream at Euramo where a minor flood peak is expected overnight Thursday. At 2.30am Thursday, the river level at Euramo was 6.64 metres and rising, which is about 2.1 metres below the level of the Bruce Highway (8.7 metres).

River levels have eased below minor on the Murray River at Upper Murray during

Thursday afternoon, with river rises continuing downstream at Murray Flats but remaining below minor flood level.

Further forecast heavy rainfall may result in renewed rises and higher river levels during the next 24 hours.

A flood warning is current for the lower Herbert River catchment.

River levels continue to ease along the Mulgrave River with minor flooding occurring at The Fisheries during Thursday afternoon. River levels have commenced to ease on the Russell River at Bucklands, whilst some small rises continue downstream at Clyde Road.

Predicted River Heights/Flows:
Tully River at:
Euramo Minor flood peak to about 7.0 overnight Thursday.

Weather Forecast:
Scattered showers and thunderstorms. Rain areas with possible local moderate to heavy falls.

Next Issue:
The next warning will be issued at about 8pm Thursday.

Latest River Heights:

Tully R at Tully Gorge N.P. *	2.23m	falling	02:50 PM THU 23/12/10
Tully R at Bolinda Estate #	1.7m	falling	02:45 PM THU 23/12/10
Tully R at Euramo #	6.64m	rising	02:28 PM THU 23/12/10
Murray R at Upper Murray #	5.87m	falling	03:20 PM THU 23/12/10
Murray R at Murray Flats #	5.86m	steady	02:53 PM THU 23/12/10
Meunga Ck at Meunga Ck #	0.02m	falling	03:18 PM THU 23/12/10
Clump Point tide *	1.75m	steady	03:00 PM THU 23/12/10
Cardwell tide *	1.76m	falling	03:10 PM THU 23/12/10
Mulgrave R at The Fisheries #	2.7m	falling	03:12 PM THU 23/12/10
Mulgrave R at Peets Bridge #	4.6m	rising	03:23 PM THU 23/12/10
Mulgrave R at Gordonvale #	11.46m	falling	03:14 PM THU 23/12/10
Russell R at Bucklands *	5.06m	falling	02:40 PM THU 23/12/10
Russell R at Clyde Rd#	0.16m	rising	03:09 PM THU 23/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY RIVER.

Issued at 5:44 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues in the Tully River at Euramo where a flood peak of around 7 metres is expected overnight. Further heavy rainfall is forecast for the coastal areas between Ingham and Cairns tonight which may result in renewed rises.

A flood warning is current for the lower Herbert River catchment.

Predicted River Heights/Flows:
Tully River at:
Euramo Minor flood peak to about 7.0 overnight Thursday.

Next Issue:
The next warning will be issued at about 7:30am Friday.

Latest River Heights:

Tully R at Tully Gorge N.P. *	2.23m	falling	02:50 PM THU 23/12/10
Tully R at Bolinda Estate #	1.7m	falling	02:45 PM THU 23/12/10
Tully R at Euramo	6.24m	rising	07:00 AM THU 23/12/10
Tully R at Euramo #	6.69m	rising	03:38 PM THU 23/12/10
Tully R at Euramo *	6.68m	rising	02:40 PM THU 23/12/10
Murray R at Upper Murray #	5.47m	falling	04:46 PM THU 23/12/10
Murray R at Upper Murray *	5.97m	falling	02:40 PM THU 23/12/10
Murray R at Murray Flats #	5.96m	rising	04:24 PM THU 23/12/10
Meunga Ck at Meunga Ck #	0.02m	steady	04:48 PM THU 23/12/10
Clump Point tide *	1.41m	falling	04:30 PM THU 23/12/10
Cardwell tide *	1.53m	falling	04:20 PM THU 23/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE TULLY RIVER
Issued at 6:48 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding has peaked on the Tully River at Euramo and continues to ease during Friday morning. Further heavy rainfall is forecast for the coastal areas between Ingham and Cairns during the next few days which may result in renewed rises.

A minor flood peak to 6.83 metres was recorded at 10.30pm Thursday on the Tully River at Euramo. River levels continue to ease on the Tully and Murray Rivers during Friday morning.

A flood warning is current for the lower Herbert River catchment.

Weather Forecast:
Rain areas, showers and thunderstorms with local moderate to heavy falls.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Tully R at Tully Gorge N.P. *	1.66m	falling	05:00 AM FRI 24/12/10
Tully R at Bolinda Estate #	1m	falling	05:59 AM FRI 24/12/10
Tully R at Euramo #	6.64m	falling	05:36 AM FRI 24/12/10
Murray R at Upper Murray #	4.07m	steady	06:13 AM FRI 24/12/10
Murray R at Murray Flats #	6.51m	rising	06:06 AM FRI 24/12/10
Meunga Ck at Meunga Ck #	-0.03m	steady	05:37 AM FRI 24/12/10
Clump Point tide *	1.22m	rising	06:10 AM FRI 24/12/10
Cardwell tide *	1.28m	rising	06:20 AM FRI 24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL STREAMS
Issued at 10:29 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Some moderate to heavy rain tonight is causing the commencement of renewed river rises in the Tully and Murray Rivers. Although river levels are currently only around minor flood level, with the forecast heavy rains, continued river rises to possible moderate flood levels are likely during Saturday. Some localised and flash flooding is expected to continue throughout the area tonight and Saturday.

Next Issue:
The next warning will be issued at about 8am Saturday or earlier if required.

Latest River Heights:

Tully R at Euramo #	6.29m	rising	09:41 PM FRI 24/12/10
Murray R at Upper Murray #	4.82m	rising	10:07 PM FRI 24/12/10
Murray R at Murray Flats #	6.86m	rising	09:28 PM FRI 24/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 5:52 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Cyclone Tasha is continuing in the Tully and
Murray areas causing renewed river rises. Minor flooding is rising fast at
Bolinda Estate and flood levels are Euramo are forecast to increase to at least
7.5 metres during Sunday. Minor flooding will continue to rise this morning
along the Murray River with moderate flood levels possible at Murray Flats.
Further rises are likely while rainfall continues.


Next Issue:
The next warning will be issued at about 11am Saturday or earlier if required.

Latest River Heights:
Tully R at Tully Gorge N.P. * 2.91m falling 02:30 AM SAT 25/12/10
Tully R at Bolinda Estate #   3.75m rising  05:35 AM SAT 25/12/10
Tully R at Euramo             6.24m rising  06:00 PM FRI 24/12/10
Tully R at Euramo #           6.99m rising  05:35 AM SAT 25/12/10
Tully R at Euramo *           6.7m rising   02:20 AM SAT 25/12/10
Murray R at Upper Murray #    5.87m rising  05:20 AM SAT 25/12/10
Murray R at Upper Murray *    5.66m rising  02:40 AM SAT 25/12/10
Murray R at Murray Flats #    7.06m rising  04:23 AM SAT 25/12/10
Meunga Ck at Meunga Ck #      0.13m steady  04:21 AM SAT 25/12/10
Clump Point tide *            1.42m steady  05:00 AM SAT 25/12/10
Cardwell tide *               1.65m steady  05:10 AM SAT 25/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 11:17 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.
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Heavy rainfall associated with Cyclone Tasha has resulted in river level rises this morning. Moderate flood levels have peaked at Bolinda Estate and flood levels at Euramo are forecast to increase to at least 8.5 metres during Sunday.

Major flood levels continue to rise at at Upper Murray where a peak is expected of up to 10 metres in the next few hours. Downstream at Murray Flats, a moderate flood peak is expected with levels remaining around minor to moderate flood levels until at least Tuesday.

Next Issue:
The next warning will be issued at about 6pm Saturday.

Latest River Heights:

Tully R at Tully Gorge N.P. *	5.74m	rising	08:50 AM SAT 25/12/10
Tully R at Bolinda Estate #	5.55m	falling	10:57 AM SAT 25/12/10
Tully R at Euramo	7.19m	rising	06:00 AM SAT 25/12/10
Tully R at Euramo #	7.69m	rising	10:42 AM SAT 25/12/10
Tully R at Euramo *	7.56m	rising	09:20 AM SAT 25/12/10
Murray R at Upper Murray #	9.17m	rising	10:58 AM SAT 25/12/10
Murray R at Upper Murray *	8.38m	rising	09:20 AM SAT 25/12/10
Murray R at Murray Flats #	7.31m	rising	09:39 AM SAT 25/12/10
Meunga Ck at Meunga Ck #	0.55m	rising	10:59 AM SAT 25/12/10
Clump Point tide *	2.93m	rising	10:10 AM SAT 25/12/10
Cardwell tide *	3.21m	rising	10:10 AM SAT 25/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 5:41 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels have eased below minor on the Tully River at Bolinda Estate. Moderate flood levels continue to slowly rise downstream at Euramo where levels are forecast to peak around 8.6 metres during Sunday morning.

Minor flooding continues to ease in the Upper Murray River, while moderate flood levels are rising slowly downstream at Murray Flats where a moderate flood peak is expected during Sunday.

River levels are expected to remain below the level of the Bruce Highway overnight and during Sunday.

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Predicted River Heights/Flows:
Tully River at:
Euramo              Moderate flood peak to about 8.6 metres during
                    Sunday morning.

Weather Forecast:
A few monsoonal showers.


Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:
Tully R at Tully Gorge N.P. * 3.26m falling 02:50 PM SAT 25/12/10
Tully R at Bolinda Estate #   2.65m falling 05:18 PM SAT 25/12/10
Tully R at Euramo #           8.19m rising  04:46 PM SAT 25/12/10
Murray R at Upper Murray #    7.12m falling 05:19 PM SAT 25/12/10
Murray R at Murray Flats #    7.51m rising  04:36 PM SAT 25/12/10
Meunga Ck at Meunga Ck #      0.06m falling 05:10 PM SAT 25/12/10
Clump Point tide *            2.17m falling 04:00 PM SAT 25/12/10
Cardwell tide *               2.43m falling 04:10 PM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 6:19 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels are currently peaking in the Tully River at Euramo, where
at 5.30am Sunday the river level at Euramo was 8.49 metres and steady. Higher
levels are possible but dependent on further rainfall.

Moderate flood levels are rising slowly in the Murray River at Murray Flats
where a moderate flood peak is expected during Sunday afternoon and remain high
until Tuesday.

River levels are expected to remain below the level of the Bruce Highway during
Sunday.

Weather Forecast:
Scattered monsoonal showers and isolated thunderstorms.


Next Issue:
The next warning will be issued at about 4pm Sunday.
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Latest River Heights:
Tully R at Tully Gorge N.P. * 2.15m falling       02:00 AM SUN 26/12/10
Tully R at Bolinda Estate #   1.65m falling       05:45 AM SUN 26/12/10
Tully R at Euramo #           8.49m steady        05:29 AM SUN 26/12/10

Murray R at Upper Murray #    4.77m falling       05:32 AM SUN 26/12/10
Murray R at Murray Flats #    7.86m rising        04:44 AM SUN 26/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 4:09 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels are now beginning to fall in the Tully River at Euramo,
where at 3pm Sunday the river level at Euramo was 8.39 metres and expected to
fall to minor flood level overnight.

Major flooding is occurring in the Murray River at Murray Flats.  River levels
are expected to remain high overnight and Monday.

River levels are expected to remain below the level of the Bruce Highway in this
area.

Weather Forecast:
Scattered monsoonal showers and isolated thunderstorms.


Next Issue:
The next warning will be issued at about 7am Monday.

Latest River Heights:
Tully R at Tully Gorge N.P. * 1.92m rising         02:00 PM SUN 26/12/10
Tully R at Bolinda Estate #   1.5m rising          03:02 PM SUN 26/12/10
Tully R at Euramo #           8.39m falling        03:05 PM SUN 26/12/10
Murray R at Upper Murray #    4.37m steady         03:13 PM SUN 26/12/10
Murray R at Murray Flats #    8.01m steady         02:53 PM SUN 26/12/10

* # denote automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 7:00 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue to ease in the Tully River at Euramo, where at
6:15am Monday the river level at Euramo was 7.79 metres. Moderate flood levels
are easing in the Murray River at Murray Flats.

River levels are expected to continue easing in both the Tully and Murray Rivers
during Monday.

Weather Forecast:
Scattered showers and isolated thunderstorms.



Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:
Tully R at Tully Gorge N.P. * 1.73m falling        05:00 AM MON 27/12/10
Tully R at Bolinda Estate #   1.30m steady         05:45 AM MON 27/12/10
Tully R at Euramo #           7.79m falling        06:15 AM MON 27/12/10

Murray R at Upper Murray #    4.12m steady         06:13 AM MON 27/12/10
Murray R at Murray Flats #    7.76m steady         05:53 AM MON 27/12/10

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 3:24 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue to ease in the Tully River at Euramo, where at 3pm
Monday the river level at Euramo was  7.14 metres. Moderate flood levels are
easing in the Murray River at Murray Flats.
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River levels are expected to continue easing in both the Tully and Murray Rivers and fall below minor flood level during Tuesday.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at 9am Tuesday.

Latest River Heights:
Tully R at Tully Gorge N.P. * 1.67m falling 02:00 PM MON 27/12/10
Tully R at Bolinda Estate # 1.25m steady 08:44 AM MON 27/12/10
Tully R at Euramo # 7.14m falling 02:56 PM MON 27/12/10

Murray R at Upper Murray # 3.92m steady 03:13 PM MON 27/12/10
Murray R at Murray Flats # 7.61m steady 02:53 PM MON 27/12/10

*, # denote automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM628

IDQ20720

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
Issued at 6:52 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue to ease in the Murray River at Murray Flats.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
Tully R at Tully Gorge N.P. * 1.65m falling 05:00 AM TUE 28/12/10
Tully R at Bolinda Estate # 1.2m steady 05:44 AM TUE 28/12/10
Tully R at Euramo # 5.89m falling 06:18 AM TUE 28/12/10

Murray R at Upper Murray # 3.92m steady 06:13 AM TUE 28/12/10
Murray R at Murray Flats # 7.16m steady 05:53 AM TUE 28/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(05)"

FLDWARN for the Herbert River

1 December 2010 to 31 January 2011

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TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER HERBERT RIVER
Issued at 12:05 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall of upto 300mm over the past 24 hours has resulted in sharp rises along
the lower Herbert River and the Stone River. Minor flood levels are occurring in
the Abergowrie area and at Peacock Siding. Minor flood levels are expected at
Trebonne, Ingham and Gairloch with further rises possible as rainfall continues.
Moderate flood levels are expected at Halifax overnight.

Next Issue:
The next warning will be issued by 5pm Thursday.

Latest River Heights:
Wild R at Silver Valley *        3.83m rising        10:20 AM THU 23/12/10
Millstream at Ravenshoe *        2.17m rising        10:20 AM THU 23/12/10
Millstream at Archers Creek *    2.08m steady        11:38 PM WED 22/12/10
Blunder Ck at Wooroora *         1.49m rising        10:18 AM THU 23/12/10
Rudd Ck at Gunnawarra #          3.57m steady        11:23 AM THU 23/12/10
Cameron Creek *                  1.75m rising        08:00 AM THU 23/12/10
Herbert R at Gleneagle *         3.22m rising        10:00 AM THU 23/12/10
Herbert R at Gleneagle #         2.92m rising        11:40 AM THU 23/12/10
Blencoe Creek at Blencoe Falls * 3.3m rising         08:39 AM THU 23/12/10
Herbert R at Nash's Crossing #   2.4m rising         11:27 AM THU 23/12/10
Herbert R at Zattas #            2.48m rising        11:09 AM THU 23/12/10
Gowrie Ck at Gowrie Ck *         2.7m rising         10:30 AM THU 23/12/10
Herbert R at Abergowrie *        6.61m rising        10:27 AM THU 23/12/10
Herbert R at Abergowrie #        6.75m steady        11:25 AM THU 23/12/10
Herbert R at Abergowrie Br       6.15m rising slowly 09:00 AM THU 23/12/10
Herbert R at Abergowrie Br #     7.19m rising        11:36 AM THU 23/12/10
Stone R at Peacock Siding #      10.8m rising        11:21 AM THU 23/12/10
Herbert R at Trebonne #          8.71m rising        11:41 AM THU 23/12/10
Herbert R at Ingham Pump Stn #   8.6m rising         11:40 AM THU 23/12/10
Herbert R at Gairloch            6.9m rising         09:00 AM THU 23/12/10
Herbert R at Gairloch #          5.84m falling       11:27 AM THU 23/12/10
Herbert R at Halifax #           4.12m rising        11:35 AM THU 23/12/10
Lucinda Pt tide *                3.53m falling       11:00 AM THU 23/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER HERBERT RIVER
Issued at 4:28 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall of upto 300mm over the past 24 hours has resulted in sharp rises along
the lower Herbert River and the Stone River. Minor flood levels are occurring in
the Abergowrie area and at Peacock Siding. Minor flood levels are expected at
Trebonne, Ingham and Gairloch with further rises possible with any renewed
rainfall. Major flood levels are expected at Halifax overnight of at least 5.5
metres.

Next Issue:
The next warning will be issued by 7am Friday.

Latest River Heights:
Wild R at Silver Valley *        4.24m falling 02:30 PM THU 23/12/10
Millstream at Ravenshoe *        2.68m rising  02:00 PM THU 23/12/10
Millstream at Archers Creek *    2.08m steady  11:38 PM WED 22/12/10
Blunder Ck at Wooroora *         1.88m rising  02:00 PM THU 23/12/10
Rudd Ck at Gunnawarra #          3.55m falling 02:23 PM THU 23/12/10
Herbert R at Gleneagle *         3.5m rising   02:00 PM THU 23/12/10
Herbert R at Gleneagle #         3.02m steady  02:53 PM THU 23/12/10
Blencoe Creek at Blencoe Falls * 3.94m rising  02:40 PM THU 23/12/10
Herbert R at Nash's Crossing #   3m rising     04:17 PM THU 23/12/10
Herbert R at Zattas #            2.63m falling 04:16 PM THU 23/12/10
Gowrie Ck at Gowrie Ck *         3m falling    02:30 PM THU 23/12/10
Herbert R at Abergowrie *        6.82m rising  02:37 PM THU 23/12/10
Herbert R at Abergowrie #        6.8m falling  03:24 PM THU 23/12/10
Herbert R at Abergowrie Br       7.45m steady  03:00 PM THU 23/12/10
Herbert R at Abergowrie Br #     7.54m rising  02:52 PM THU 23/12/10
Stone R at Peacock Siding #      10.8m falling 04:18 PM THU 23/12/10
Herbert R at Trebonne #          9.66m rising  04:20 PM THU 23/12/10
Herbert R at Ingham Pump Stn #   9.95m rising  04:16 PM THU 23/12/10
Herbert R at Gairloch            9.25m rising  03:00 PM THU 23/12/10
Herbert R at Halifax #           4.97m steady  04:18 PM THU 23/12/10
Lucinda Pt tide *                1.88m falling 03:00 PM THU 23/12/10

*automatic station


Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM604

IDQ20725
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER HERBERT RIVER
Issued at 5:05 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Further overnight rainfall totals of about 30-70mm have been recorded in the Ingham area. River levels along the lower Herbert River continue to ease below minor flood levels during Friday morning, with major flooding also expected to continue to ease at Halifax during today.

Further heavy rainfall is forecast for the coastal areas along the North Tropical Coast, which is likely to result in renewed rises and further flooding during the next few days.

Major flooding is easing at Halifax during Friday morning following a flood peak to about 5.17 metres at 10pm Thursday. At 4.30am Friday the river level was at 5.02 metres and expected to continue to ease during today.

Weather Forecast:
Rain areas, showers and thunderstorms. Moderate to locally heavy falls.

Next Issue:
The next warning will be issued by 9am Friday.

Latest River Heights:

Wild R at Silver Valley *	3.43m falling	11:00 PM THU 23/12/10
Millstream at Ravenshoe *	1.93m falling	02:00 AM FRI 24/12/10
Blunder Ck at Wooroora *	2.38m falling	02:00 AM FRI 24/12/10
Rudd Ck at Gunnawarra #	3.65m rising	02:23 AM FRI 24/12/10
Cameron Creek *	2.73m falling	02:00 AM FRI 24/12/10
Herbert R at Gleneagle #	3.42m rising	04:04 AM FRI 24/12/10
Blencoe Creek at Blencoe Falls *	3.91m falling	02:10 AM FRI 24/12/10
Herbert R at Nash's Crossing #	2.65m falling	04:49 AM FRI 24/12/10
Herbert R at Zattas #	2.03m steady	04:47 AM FRI 24/12/10
Gowrie Ck at Gowrie Ck *	2.11m falling	10:00 PM THU 23/12/10
Herbert R at Abergowrie #	5.2m falling	04:22 AM FRI 24/12/10
Herbert R at Abergowrie Br #	5.64m falling	04:44 AM FRI 24/12/10
Stone R at Peacock Siding #	7.05m falling	04:44 AM FRI 24/12/10
Herbert R at Trebonne #	8.91m falling	04:39 AM FRI 24/12/10
Herbert R at Ingham Pump Stn #	9.45m falling	04:34 AM FRI 24/12/10
Herbert R at Gairloch #	9.29m falling	04:43 AM FRI 24/12/10
Herbert R at Halifax #	5.02m falling	04:29 AM FRI 24/12/10
Lucinda Pt tide *	0.96m falling	04:00 AM FRI 24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology

Queensland

FINAL FLOOD WARNING FOR THE LOWER HERBERT RIVER
Issued at 8:26 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels along the lower Herbert River have eased below minor during Friday morning, with moderate flood levels also continuing to ease at Halifax.

Further heavy rainfall is forecast to continue during the next few days across the North Tropical Coast, which is likely to result in renewed rises and further flooding. The situation will continue to be monitored.

Weather Forecast:
Rain areas, showers and thunderstorms. Moderate to locally heavy falls.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Wild R at Silver Valley *	3.07m falling	05:30 AM FRI 24/12/10
Millstream at Ravenshoe *	1.82m falling	05:00 AM FRI 24/12/10
Blunder Ck at Wooroora *	2.24m falling	05:00 AM FRI 24/12/10
Rudd Ck at Gunnawarra #	3.68m rising	05:23 AM FRI 24/12/10
Cameron Creek *	2.57m falling	05:00 AM FRI 24/12/10
Herbert R at Gleneagle #	3.47m rising	07:03 AM FRI 24/12/10
Blencoe Creek at Blencoe Falls *	3.73m falling	05:00 AM FRI 24/12/10
Herbert R at Nash's Crossing #	2.6m falling	06:15 AM FRI 24/12/10
Herbert R at Zattas #	1.98m falling	08:03 AM FRI 24/12/10
Gowrie Ck at Gowrie Ck *	2.05m steady	11:22 PM THU 23/12/10
Herbert R at Abergowrie *	5.16m falling	05:00 AM FRI 24/12/10
Herbert R at Abergowrie #	5.05m falling	06:56 AM FRI 24/12/10
Herbert R at Abergowrie Br #	5.19m steady	07:59 AM FRI 24/12/10
Stone R at Peacock Siding #	6.35m falling	08:06 AM FRI 24/12/10
Herbert R at Trebonne #	8.26m falling	08:09 AM FRI 24/12/10
Herbert R at Ingham Pump Stn #	8.7m falling	08:11 AM FRI 24/12/10
Herbert R at Gairloch #	8.69m falling	08:06 AM FRI 24/12/10
Herbert R at Halifax #	4.87m falling	07:50 AM FRI 24/12/10
Lucinda Pt tide *	1.73m rising	07:10 AM FRI 24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER HERBERT RIVER
Issued at 10:45 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Some moderate to heavy rain tonight is causing the commencement of renewed river rises in the lower Herbert River from Nash's Crossing to the Abergowrie Bridge area causing minor flooding. River rises are expected to re-commence tonight downstream at Ingham and Halifax. Although river levels in the Stone River and at Ingham and Halifax are below minor flood level, with the forecast heavy rains, continued river rises to possible moderate flood levels are likely during Saturday and Sunday. Some localised and flash flooding is expected to continue throughout the area tonight and Saturday.

River levels in the upper Herbert River system at Gleneagle and upstream are currently well below minor flood level and pose no threat to flooding in the lower Herbert River.

Next Issue:
The next warning will be issued at about 8am Saturday or earlier if required.

Latest River Heights:

Herbert R at Gleneagle #	4.32m rising	10:18 PM FRI 24/12/10
Herbert R at Nash's Crossing #	4.5m rising	10:23 PM FRI 24/12/10
Herbert R at Zattas #	3.33m rising	10:19 PM FRI 24/12/10
Herbert R at Abergowrie #	5.85m rising	10:09 PM FRI 24/12/10
Herbert R at Abergowrie Br #	5.94m rising	10:25 PM FRI 24/12/10
Herbert R at Trebonne #	7.11m rising	09:52 PM FRI 24/12/10
Herbert R at Ingham Pump Stn #	7.25m rising	09:54 PM FRI 24/12/10
Herbert R at Gairloch	7m falling slowly	09:00 PM FRI 24/12/10
Herbert R at Halifax #	3.97m steady	10:18 PM FRI 24/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER HERBERT RIVER
Issued at 6:53 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with TC Tasha has led to renewed rises overnight in the lower Herbert River. Some minor flood levels have been reached and further rises are likely as rainfall continues.

Minor flood levels are occurring between Nashs Crossing and Abergowrie. A return to moderate flood levels is forecast for Halifax today with major flood levels above 5 metres possible. At this stage, river levels along the Stone River are below minor. Further rises are likely during today as rainfall continues.

River levels in the upper Herbert River system at Gleneagle and upstream are currently well below minor flood level and pose no threat to flooding in the lower Herbert River.

Next Issue:

The next warning will be issued by noon Saturday.

Latest River Heights:

Wild R at Silver Valley *	3.83m falling	05:00 AM SAT 25/12/10
Millstream at Ravenshoe *	3.09m rising	05:00 AM SAT 25/12/10
Blunder Ck at Wooroora *	4.98m rising	05:43 AM SAT 25/12/10
Rudd Ck at Gunnawarra #	4.06m rising	05:58 AM SAT 25/12/10
Cameron Creek *	2.99m rising	05:40 AM SAT 25/12/10
Herbert R at Gleneagle *	4.97m rising	05:00 AM SAT 25/12/10
Herbert R at Gleneagle #	4.62m rising	06:29 AM SAT 25/12/10
Blencoe Creek at Blencoe Falls *	4.54m rising	05:40 AM SAT 25/12/10
Herbert R at Nash's Crossing #	5.2m rising	06:15 AM SAT 25/12/10
Herbert R at Zattas #	4.13m rising	06:39 AM SAT 25/12/10
Gowrie Ck at Gowrie Ck *	5.12m rising	05:29 AM SAT 25/12/10
Herbert R at Abergowrie *	7.21m rising	05:43 AM SAT 25/12/10
Herbert R at Abergowrie #	7.3m rising	06:17 AM SAT 25/12/10
Herbert R at Abergowrie Br	7.65m rising slowly	06:00 AM SAT 25/12/10
Herbert R at Abergowrie Br #	7.94m rising	06:38 AM SAT 25/12/10
Stone R at Peacock Siding #	3.25m steady	06:33 AM SAT 25/12/10
Herbert R at Trebonne #	8.26m rising	06:33 AM SAT 25/12/10
Herbert R at Ingham Pump Stn #	8.35m rising	06:37 AM SAT 25/12/10
Herbert R at Gairloch	7.9m rising slowly	06:00 AM SAT 25/12/10
Herbert R at Gairloch #	8.19m rising	06:35 AM SAT 25/12/10
Herbert R at Halifax #	4.32m rising	06:37 AM SAT 25/12/10
Lucinda Pt tide *	1.42m steady	06:00 AM SAT 25/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 1:12 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex TC Tasha has led to renewed rises with some
major flood levels throughout the catchment. Further rises with some major flood
levels are expected in the next 36 hours between Nash's Crossing and Gairloch.

UPPER HERBERT
Fast rises are being observed in the creeks and streams of the upper Herbert
catchment. Moderate flood levels are rising at Silver Valley with further rises
expected. At Gleneagle rises to at least 9 metres are forecast during Sunday
with higher levels likely into Monday.

LOWER HERBERT
Major flood levels are have been reached at Nash's Crossing. At 1pm the level
was 7.9 metres and steady. Moderate to major flood levels are forecast along the

lower Herbert with a peak expected at Ingham and Gairloch during Sunday afternoon. Ingham PS is expected to reach 12 metres with rises to 12.5 possible. Flood levels at Gairloch are expected to reach at least 11.5 metres with rises to 12 possible. Major flood levels will continue to rise at Halifax.

Next Issue:
The next warning will be issued by 6pm Saturday.

Latest River Heights:

Wild R at Silver Valley *	6.3m rising	11:30 AM SAT 25/12/10
Millstream at Ravenshoe *	5.93m falling	11:40 AM SAT 25/12/10
Blunder Ck at Wooroora *	7.44m steady	11:00 AM SAT 25/12/10
Rudd Ck at Gunnawarra #	4.72m rising	12:09 PM SAT 25/12/10
Cameron Creek *	4.7m rising	11:40 AM SAT 25/12/10
Herbert R at Gleneagle *	6.88m rising	11:40 AM SAT 25/12/10
Herbert R at Gleneagle #	6.62m rising	12:13 PM SAT 25/12/10
Blencoe Creek at Blencoe Falls *	5.74m rising	11:40 AM SAT 25/12/10
Herbert R at Nash's Crossing #	7.95m rising	12:19 PM SAT 25/12/10
Herbert R at Zattas #	6.58m rising	12:20 PM SAT 25/12/10
Gowrie Ck at Gowrie Ck *	6.94m falling	11:00 AM SAT 25/12/10
Herbert R at Abergowrie *	8.91m rising	11:40 AM SAT 25/12/10
Herbert R at Abergowrie #	9.3m rising	12:16 PM SAT 25/12/10
Herbert R at Abergowrie Br	7.65m rising slowly	06:00 AM SAT 25/12/10
Herbert R at Abergowrie Br #	9.94m rising	12:19 PM SAT 25/12/10
Stone R at Running Ck *	2.66m rising	06:00 AM SAT 25/12/10
Stone R at Peacock Siding #	5.15m rising	12:19 PM SAT 25/12/10
Herbert R at Trebonne #	9.66m rising	12:16 PM SAT 25/12/10
Herbert R at Ingham Pump Stn #	9.85m rising	12:13 PM SAT 25/12/10
Herbert R at Gairloch	8.55m rising slowly	09:00 AM SAT 25/12/10
Herbert R at Gairloch #	9.54m falling	12:21 PM SAT 25/12/10
Herbert R at Halifax #	4.87m rising	11:54 AM SAT 25/12/10
Lucinda Pt tide *	3.45m rising	11:00 AM SAT 25/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 6:03 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has eased quickly throughout the Herbert catchment this afternoon. The main peak is reaching the Abergowrie Bridge area where river levels are expected to peak at moderate flood levels during Saturday evening. The Herbert River at Gairloch, near Ingham, is expected to continue rising tonight and peak during early Sunday morning at about 12 metres.

UPPER HERBERT
Fast rises are being observed in the creeks and streams of the upper Herbert catchment. At Gleneagle rises to at least 9 metres are forecast during Sunday with higher levels possible during Monday.

LOWER HERBERT
The main peak is reaching the Abergowrie Bridge area where river levels are expected to peak near 13 metres during Saturday evening causing moderate flooding. The Herbert River at Gairloch, near Ingham, is expected to continue rising tonight and peak during early Sunday morning at about 12 metres. Flood levels are likely to continue rising slowly in some areas of the Ingham floodplain away from the river during Sunday after the main peak in the river.

The main upper Herbert floodwaters will arrive in the Ingham area on Monday and Tuesday but at this stage, without further intense rain, levels during next week should be below those reached on Sunday.

Downstream at Halifax, river levels are expected to reach near 5.5 metres during Sunday causing major flooding in the area and be maintained until at least Monday.

Predicted River Heights/Flows:
Gairloch (near Ingham): peak at about 12 metres during early Sunday morning

(prediction to be updated after peak recorded at Abergowrie Bridge)

Halifax: reach near 5.5 metres during Sunday

Next Issue:
The next warning will be issued at about 10pm Saturday.

Latest River Heights:

Wild R at Silver Valley *	5.15m falling	04:30 PM SAT 25/12/10
Millstream at Ravenshoe *	3.81m falling	04:20 PM SAT 25/12/10
Rudd Ck at Gunnawarra #	5.31m rising	05:23 PM SAT 25/12/10
Herbert R at Gleneagle #	7.27m rising	05:18 PM SAT 25/12/10
Herbert R at Nash's Crossing #	7.3m falling	05:24 PM SAT 25/12/10
Herbert R at Zattas #	6.18m rising	05:14 PM SAT 25/12/10
Herbert R at Abergowrie #	11.35m rising	05:15 PM SAT 25/12/10
Herbert R at Abergowrie Br #	12.59m rising	05:20 PM SAT 25/12/10
Stone R at Peacock Siding #	9.25m rising	05:22 PM SAT 25/12/10
Herbert R at Trebonne #	11.41m rising	05:18 PM SAT 25/12/10
Herbert R at Ingham Pump Stn #	11.6m rising	05:23 PM SAT 25/12/10
Herbert R at Gairloch #	11.09m rising	05:17 PM SAT 25/12/10
Herbert R at Halifax #	5.22m rising	04:34 PM SAT 25/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 9:53 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has eased quickly throughout the Herbert catchment this afternoon. At 9-30pm Saturday, the main peak is in the Abergowrie Bridge area where river levels are at 13.1 metres and rising very slowly. The Herbert River at Gairloch, near Ingham, is expected to continue rising tonight and peak during early Sunday morning at about 12 metres.

UPPER HERBERT:
Fast rises are being observed in the creeks and streams of the upper Herbert catchment. At Gleneagle, continued river rises to at least 9 metres are forecast during Sunday with higher levels possible during Monday.

LOWER HERBERT:
At 9-30pm Saturday, the main peak is in the Abergowrie Bridge area where river levels are at 13.1 metres causing moderate flooding.

At 9-30pm Saturday, the Herbert River at the Gairloch automatic gauge was 11.84 metres and continuing to rise.

The Herbert River at Gairloch, near Ingham, is expected to continue rising tonight and peak during early Sunday morning at about 12 metres. Flood levels are likely to continue rising slowly in some areas of the Ingham floodplain away from the river during Sunday morning after the river has peaked.

The main floodwaters from the tablelands will arrive in the Ingham area on Monday and Tuesday but at this stage, without further intense rain, river levels at Ingham during next week should remain well below those reached on Sunday.

Downstream at Halifax, river levels are expected to reach near 5.5 metres during Sunday causing major flooding in the area and be maintained until at least Monday.

Predicted River Heights/Flows:
Gairloch (near Ingham): peak at about 12 metres during early Sunday morning

Halifax: reach near 5.5 metres during Sunday

Next Issue:
The next warning will be issued at about 6am Sunday.

Latest River Heights:

Wild R at Silver Valley *	4.23m falling	08:30 PM SAT 25/12/10
Millstream at Ravenshoe *	2.98m falling	08:00 PM SAT 25/12/10
Rudd Ck at Gunnawarra #	5.54m rising	09:19 PM SAT 25/12/10
Herbert R at Gleneagle #	7.67m rising	08:53 PM SAT 25/12/10
Herbert R at Nash's Crossing #	6.55m falling	09:28 PM SAT 25/12/10
Herbert R at Zattas #	5.58m falling	08:51 PM SAT 25/12/10
Herbert R at Abergowrie #	11.35m falling	09:25 PM SAT 25/12/10
Herbert R at Abergowrie Br	13.1m rising slowly	09:00 PM SAT 25/12/10
Stone R at Peacock Siding #	9.15m falling	09:26 PM SAT 25/12/10
Herbert R at Trebonne #	12.46m rising	09:24 PM SAT 25/12/10
Herbert R at Ingham Pump Stn #	12.55m rising	09:22 PM SAT 25/12/10
Herbert R at Gairloch #	11.79m rising slowly	09:25 PM SAT 25/12/10
Herbert R at Halifax #	5.32m steady	07:18 PM SAT 25/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 5:44 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

At 5.30am Sunday, the main flood peak remains in the Gairloch area where river levels are steady at about 12 metres. River levels will remain high during Sunday morning and then commence to slowly ease during the afternoon. Rainfall has eased in the lower Herbert catchment.

UPPER HERBERT:
Stream levels are easing in the creeks and streams of the upper Herbert catchment. An initial moderate peak has been observed at Gleneagle, however continued river rises to at least 9 metres are forecast during Sunday with higher levels possible during Monday.

LOWER HERBERT:
Major flooding extends along the Herbert River between Trebonne and Halifax, with the main peak remaining in the Gairloch area, near Ingham. At 5:30am Sunday, the river level at the Gairloch automatic gauge was steady at about 12.0 metres. Flood levels are likely to continue rising slowly in some areas of the Ingham floodplain away from the river during Sunday morning after the river has peaked.

The main floodwaters from the tablelands will arrive in the Ingham area on Monday and Tuesday but at this stage, without further intense rain, river levels at Ingham during this week should remain well below those reached on Sunday.

Downstream at Halifax, river levels will remain steady at about the current level of 5.37 metres with major flooding remaining in the area during Sunday and into Monday.

Predicted River Heights/Flows:

Gairloch (near Ingham)	Remain at a major peak to around 12 metres during Sunday morning.
Halifax	Remain at a major peak near 5.5 metres during Sunday.

Next Issue:
The next warning will be issued at about 4pm Sunday.

Latest River Heights:

Wild R at Silver Valley *	3.54m falling	03:30 AM SUN 26/12/10
Millstream at Ravenshoe *	2.48m falling	03:00 AM SUN 26/12/10
Blunder Ck at Wooroora *	4.48m falling	03:20 AM SUN 26/12/10
Rudd Ck at Gunnawarra #	6.06m rising	04:50 AM SUN 26/12/10
Cameron Creek *	3.48m falling	02:30 AM SUN 26/12/10

Herbert R at Gleneagle #	7.27m rising	05:05 AM SUN 26/12/10
Blencoe Creek at Blencoe Falls *	5m falling	02:40 AM SUN 26/12/10
Herbert R at Nash's Crossing #	6.25m rising	05:05 AM SUN 26/12/10
Herbert R at Zattas #	4.78m steady	04:47 AM SUN 26/12/10
Gowrie Ck at Gowrie Ck *	2.88m falling	03:00 AM SUN 26/12/10
Herbert R at Abergowrie #	9.75m falling	04:59 AM SUN 26/12/10
Herbert R at Abergowrie Br #	11.79m falling	05:01 AM SUN 26/12/10
Stone R at Running Ck *	3.97m rising	12:20 PM SAT 25/12/10
Stone R at Peacock Siding #	5.2m falling	05:03 AM SUN 26/12/10
Herbert R at Trebonne #	12.66m falling	04:31 AM SUN 26/12/10
Herbert R at Ingham Pump Stn #	12.85m falling	04:20 AM SUN 26/12/10
Herbert R at Gairloch #	11.99m steady	05:01 AM SUN 26/12/10
Herbert R at Halifax #	5.37m steady	04:18 AM SUN 26/12/10
Lucinda Pt tide *	1.64m falling	04:10 AM SUN 26/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 4:06 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels have peaked in the lower Herbert River at Ingham and the river has fallen about 1 metre today. Major flooding is continuing downstream at Halifax and is expected to begin easing on Monday. Rainfalls have generally eased in the Herbert catchment.

UPPER HERBERT:
Stream levels are falling in the creeks and streams of the upper Herbert catchment. An initial moderate flood peak of about 7.7 metres was recorded at Gleneagle on Saturday night. River levels should remain at around this level into Monday.

LOWER HERBERT:
At 3:30pm Sunday, the river level at the Gairloch automatic gauge near Ingham was 11 metres and has fallen about one metre during Sunday. Flood levels are expected to continue falling.

Major flooding is continuing downstream at Halifax and is expected to begin easing on Monday.

The main floodwaters from the Gleneagle area will arrive in the Ingham area on Monday and Tuesday and will not significantly affect falling river levels at Ingham. River levels at Ingham should continue falling during the next few days unless further heavy rains are recorded.

Downstream at Halifax, river levels will remain steady at about the current

level of 5.32 metres with major flooding remaining in the area for the remainder of Sunday and into Monday.

Predicted River Heights/Flows:
Halifax Remain at a major peak near 5.5 metres during Sunday.

Next Issue:
The next warning will be issued at about 7am Monday.

Latest River Heights:

Herbert R at Gleneagle #	7.58m	rising	03:19 PM SUN 26/12/10
Herbert R at Nash's Crossing #	5.50m	rising	03:32 PM SUN 26/12/10
Herbert R at Zattas #	3.98m	falling	03:19 PM SUN 26/12/10
Herbert R at Abergowrie #	8.00m	falling	03:24 PM SUN 26/12/10
Herbert R at Abergowrie Br	9.45m	falling slowly	03:00 PM SUN 26/12/10
Herbert R at Trebonne #	10.96m	falling	03:16 PM SUN 26/12/10
Herbert R at Ingham Pump Stn #	11.40m	falling	03:26 PM SUN 26/12/10
Herbert R at Gairloch	10.90m	falling	03:00 PM SUN 26/12/10
Herbert R at Gairloch #	10.99m	falling	03:30 PM SUN 26/12/10
Herbert R at Halifax #	5.32m	steady	03:00 PM SUN 26/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 7:16 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing in the upper Herbert River at Gleneagle Homestead, with some minor to moderate flooding occurring during Monday in the lower Herbert River through to the Abergowrie Bridge area. River levels have eased below minor at Ingham, with moderate flooding continuing to ease downstream at Halifax.

UPPER HERBERT:
Stream levels are falling in the creeks and streams of the upper Herbert catchment. A second major flood peak to 8.48 metres was recorded at Gleneagle Homestead at 4am Monday, with river levels slowly falling.

LOWER HERBERT:
River levels along the lower Herbert River are rising with the second and smaller flood peak during Monday morning, with a moderate flood peak approaching the Nashs Crossing and Zattas areas. River levels will remain high with minor flooding in the Abergowrie Bridge area during Monday. At 6.45am Monday, the river level at the Gairloch automatic gauge near Ingham was about 9 metres with levels generally easing during Monday as the second and smaller peak passes. Moderate flooding continues to slowly ease downstream at Halifax.

The main floodwaters from the Gleneagle area will arrive in the Ingham area during Monday and Tuesday and will not significantly affect falling river levels at Ingham. River levels at Ingham should continue falling during the next few days unless further heavy rains are recorded.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 1pm Monday.

Latest River Heights:

Wild R at Silver Valley *	3.04m rising	05:00 AM MON 27/12/10
Millstream at Ravenshoe *	1.92m falling	05:00 AM MON 27/12/10
Blunder Ck at Wooroora *	2.37m falling	05:00 AM MON 27/12/10
Rudd Ck at Gunnawarra #	5.8m steady	05:23 AM MON 27/12/10
Rudd Ck at Gunnawarra *	NA	
Cameron Creek *	2.36m falling	05:00 AM MON 27/12/10
Herbert R at Gleneagle #	8.43m rising	07:08 AM MON 27/12/10
Blencoe Creek at Blencoe Falls *	3.7m falling	05:00 AM MON 27/12/10
Herbert R at Nash's Crossing #	6.15m rising	07:09 AM MON 27/12/10
Herbert R at Zattas #	4.38m rising	06:23 AM MON 27/12/10
Gowrie Ck at Gowrie Ck *	2.33m falling	04:00 AM MON 27/12/10
Herbert R at Abergowrie #	7.75m rising	06:36 AM MON 27/12/10
Herbert R at Abergowrie Br #	8.34m rising	05:59 AM MON 27/12/10
Stone R at Peacock Siding #	2.8m falling	06:37 AM MON 27/12/10
Herbert R at Trebonne #	8.86m falling	06:34 AM MON 27/12/10
Herbert R at Ingham Pump Stn #	9.2m falling	06:36 AM MON 27/12/10
Herbert R at Gairloch #	9.04m falling	06:44 AM MON 27/12/10
Herbert R at Halifax #	4.92m falling	06:05 AM MON 27/12/10
Lucinda Pt tide *	1.74m falling	06:00 AM MON 27/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HERBERT RIVER
Issued at 4:46 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing in the upper Herbert River at Gleneagle Homestead. Minor flooding between Nash's Crossing and Abergowrie Bridge expected to ease during Tuesday. Moderate flooding to continue at Halifax overnight.

River levels at Halifax are expected to remain steady overnight with the arrival of upstream flood waters which are now peaking at Abergowrie Bridge.
Small rises are expected at Ingham and Gairloch overnight with possible minor

flooding.

Weather Forecast:
A few showers with the chance of a thunderstorm.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Herbert R at Gleneagle #	7.63m falling	03:40 PM MON 27/12/10
Herbert R at Nash's Crossing #	6m rising	03:37 PM MON 27/12/10
Herbert R at Zattas #	4.28m falling	03:08 PM MON 27/12/10
Gowrie Ck at Gowrie Ck *	2.12m falling	02:00 PM MON 27/12/10
Herbert R at Abergowrie #	7.95m falling	03:31 PM MON 27/12/10
Herbert R at Abergowrie Br #	8.69m steady	01:59 PM MON 27/12/10
Stone R at Running Ck *	2.66m falling	05:40 AM MON 27/12/10
Stone R at Peacock Siding #	2.35m falling	02:41 PM MON 27/12/10
Herbert R at Trebonne #	8.76m steady	03:05 PM MON 27/12/10
Herbert R at Ingham Pump Stn #	8.95m steady	02:18 PM MON 27/12/10
Herbert R at Gairloch #	8.79m rising	03:42 PM MON 27/12/10
Herbert R at Halifax #	4.82m steady	01:18 PM MON 27/12/10
Lucinda Pt tide *	2.94m falling	03:10 PM MON 27/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM604

IDQ20725

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE HERBERT RIVER
Issued at 7:20 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is extending along the Herbert River between Nash's Crossing and the Abergowrie area, with river levels expected to continue easing into Wednesday. Moderate flood levels continue to ease at Halifax with river levels expected to fall below minor during Tuesday.

Weather Forecast:
A few showers with the chance of a thunderstorm.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Herbert R at Gleneagle #	6.63m falling	06:59 AM TUE 28/12/10
Herbert R at Nash's Crossing #	5.4m rising	06:53 AM TUE 28/12/10
Herbert R at Zattas #	3.78m falling	06:35 AM TUE 28/12/10
Gowrie Ck at Gowrie Ck *	2.01m steady	06:00 AM TUE 28/12/10

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Herbert R at Abergowrie #         7.2m falling       05:48 AM TUE 28/12/10
Herbert R at Abergowrie Br #      7.79m falling      06:35 AM TUE 28/12/10
Stone R at Running Ck *           2.62m falling      05:30 AM TUE 28/12/10
Stone R at Peacock Siding #       2.6m falling       05:23 AM TUE 28/12/10
Herbert R at Trebonne #           8.31m falling      06:25 AM TUE 28/12/10
Herbert R at Ingham Pump Stn #    8.5m falling       06:58 AM TUE 28/12/10
Herbert R at Gairloch #           8.44m falling      06:45 AM TUE 28/12/10
Herbert R at Halifax #            4.67m falling      06:00 AM TUE 28/12/10
Lucinda Pt tide *                 2.19m falling      06:00 AM TUE 28/12/10

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(06)"

FLDWARN Coastal Rs Townsville to Mackay

1 December 2010 to 31 January 2011

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TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND
ADJACENT INLAND CATCHMENTS.
Issued at 9:22 AM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.


Heavy rainfall associated with Tropical Cyclone Anthony is expected to develop
in coastal and adjacent inland areas between Townsville and Sarina through
Sunday and overnight. Fast river level rises and localised flash flooding may
occur in coastal streams and river systems.


Areas on the southern side of Cyclone Anthony are at most risk of heavy rain of
between 100 to 300mm. Depending on where the cyclone crosses, this could include
the catchments of the Haughton, Don, Pioneer, Bowen/Bogie/lower Burdekin and
Connors/Issac system (Fitzroy catchment). Fast river level rises and localised
flash flooding may occur.

The situation will be closely monitored and flood warnings for individual
catchments will be issued where necessary.

Next Issue:
The next warning will be issued at 5pm or before if necessary.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND
ADJACENT INLAND CATCHMENTS.
Issued at 4:45 PM on Sunday the 30th of January 2011
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by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue to develop in coastal and adjacent inland areas between Townsville and Sarina through this evening and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm. This is likely to include the catchments of the Don, Proserpine, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

The heaviest rainfall in the 6 hours to 5pm Sunday include: Clarke Range 46mm, Finch Hatton 35mm and Plevna 36mm.

Next Issue:
The next warning will be issued at 9pm or before if necessary.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS
Issued at 8:52 PM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue to develop in coastal and adjacent inland areas between Townsville and Sarina during this evening and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Coastal areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm during the next 12 to 24 hours. This is likely to include the catchments of the Don, Proserpine, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual

catchments will be issued where necessary.

Heavy rainfall of between 60mm to 90mm has been recorded in the 6 hours to 9pm Sunday.

Next Issue:
The next warning will be issued at about midnight Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS
Issued at 8:57 PM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue to develop in coastal and adjacent inland areas between Townsville and Sarina during this evening and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Coastal areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm during the next 12 to 24 hours. This is likely to include the catchments of the Don, Proserpine, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Heavy rainfall of between 60mm to 90mm has been recorded in the Pioneer catchment and Mackay area in the 6 hours to 9pm Sunday, with between 15mm to 40mm also recorded across the Don and lower Burdekin catchment including in the Bowen and Broken Rivers.

Next Issue:
The next warning will be issued at about midnight Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS
Issued at 12:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue in coastal and adjacent inland areas between Townsville and Sarina overnight.

Heavy rainfall of between 25mm to 70mm has been recorded during the last 6 hours across the Don and lower Burdekin catchments including in the Bowen and Broken Rivers.

Coastal areas on the southern side of Tropical Cyclone Anthony are at most risk of heavy rainfalls of between 100mm to 300mm possible during the next 12 to 24 hours. This is likely to include the catchments of the Don, Proserpine, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

A flood warning is current for the Pioneer River catchment.

Next Issue:
The next warning will be issued at about 5am Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND SARINA AND ADJACENT INLAND CATCHMENTS
Issued at 4:28 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex-Tropical Cyclone Anthony is continuing in coastal and adjacent inland areas between Bowen and Sarina. Very heavy rainfall is currently being recorded around Repulse Bay in the Mount Charlton area which is likely to lead to fast coastal stream rises this morning. Heavy rainfall of up to 100mm has been recorded during the 3 hours to 4am.

Catchments where river level rises are also likely to occur include the Proserpine, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Flood warnings are current for the Don and Pioneer River catchments.

Next Issue:
The next warning will be issued at about 7am Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND SARINA AND ADJACENT INLAND CATCHMENTS
Issued at 7:27 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex-Tropical Cyclone Anthony has shifted south during the morning is now falling in coastal and adjacent inland areas between Sarina and St Lawrence. Highest falls in the past 6 hours have occurred over the Pioneer River and the upper reaches of the Connors and Isaac Rivers and nearby creeks. Heavy falls have also occurred around the Bowen and Bogie Rivers in the Burdekin River catchment.

This rainfall is likely to lead to fast coastal stream rises during the morning.

River level rises have occurred in the Don, Pioneer and Connors/Isaac River catchments where flood warnings are current. Rises are also likely in the Bowen, Bogie and lower Burdekin Rivers . Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND ST LAWRENCE AND ADJACENT INLAND CATCHMENTS
Issued at 7:30 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex-Tropical Cyclone Anthony has shifted south during the morning is now falling in coastal and adjacent inland areas between Sarina and St Lawrence. Highest falls in the past 6 hours have occurred over the Pioneer River and the upper reaches of the Connors and Isaac Rivers and nearby creeks. Heavy falls have also occurred around the Bowen and Bogie Rivers in the Burdekin River catchment.

This rainfall is likely to lead to fast coastal stream rises during the morning.

River level rises have occurred in the Don, Pioneer and Connors/Isaac River catchments where flood warnings are current. Rises are also likely in the Bowen, Bogie and lower Burdekin Rivers . Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND ST LAWRENCE AND ADJACENT INLAND CATCHMENTS
Issued at 11:00 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Ex-Tropical Cyclone Anthony is no longer producing heavy rainfall over the region.

River levels in the Don and Pioneer Rivers are falling.

Rises are continuing in the Connors/Isaac River catchment where a flood warning is current.

Some rises are also likely in the Bowen, Bogie and lower Burdekin Rivers.

Next Issue:
This is the final warning. River Height Bulletins and flood warnings for the Connors/Isaac Rivers will continue to be issued.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(07)"

FLDWARN for the Ross River

1 December 2010 to 31 January 2011

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TO::BOM605

IDQ20735

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS
Issued at 2:07 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall totals of about 80mm have been recorded overnight and during Saturday
morning across the Townsville area, with stream rises occurring in the Black and
Bluewater Rivers situated north of Townsville, and minor flood levels rising in
the Bohle River between Hervey Range and Mt Bohle, with further rises and some
moderate flooding likely during Saturday afternoon.

Further heavy rainfall is forecast for the area which may result in further
stream rises and higher flood levels during the remainder of Saturday. The
situation will continue to be closely monitored.

At 1.40pm Saturday the river level at Hervey Range Road on the Bohle River was
5.47 metres and rising with minor flooding, with further rises and moderate
flood levels expected during Saturday afternoon. River levels at Dalrymple Road
were also about 2.6 metres above level of the bridge. Minor flood levels are
also rising on the Bohle River at Mt Bohle.

Motorists are warned not to attempt to drive through floodwater on roads.

Weather Forecast:
Rain areas, showers, and thunderstorms. Moderate to heavy falls.

Next Issue:
The next warning will be issued at about 6pm Saturday.

Latest River Heights:
Alligator Ck at Alligator Ck #      2.63m falling 01:42 PM SAT 25/12/10
Cape Ferguson tide *               3.38m falling 01:00 PM SAT 25/12/10
Ross R at Ross River Dam #         38.9m falling 01:46 PM SAT 25/12/10
Ross R at Black Weir (Riverway) #  0.55m falling 11:47 AM SAT 25/12/10
Ross R at Aplin Weir #             NA
Mindham Park at Mysterton #        2.97m steady  01:05 PM SAT 25/12/10
Louisa Ck at Louisa Ck #           4.78m rising  01:46 PM SAT 25/12/10
Lt Bohle R upstream Bohle Junction# 0.84m falling 01:33 PM SAT 25/12/10
Bohle R at Hervey Range Rd #       5.47m rising  01:39 PM SAT 25/12/10
Bohle R at Mt Bohle #              4.31m rising  01:42 PM SAT 25/12/10
Bohle R at Estuary *               NA
Townsville Harbour tide *          3.43m falling 01:30 PM SAT 25/12/10

Black R upstream Bruce Hwy #       3.13m rising  01:29 PM SAT 25/12/10
Bluewater Ck at Bluewater #        3.6m rising   01:44 PM SAT 25/12/10

*,# denotes automatic station.
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Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM605

IDQ20735

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS
Issued at 6:05 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall has continued in the Townsville area during Saturday afternoon, with some fast rises occurring in Bluewater Creek and the Black River situated to the north of Townsville. Minor to moderate flooding is rising along the Bohle River between Hervey Range Road and Mt Bohle.

The heaviest rainfall totals recorded during the 6 hours to 6pm Saturday include Upper Bluewater 89mm, Upper Black River 83mm, and 20-40mm elsewhere across the Townsville area.

Moderate flooding continues to rise on the Bohle River at Hervey Range Road. Minor flooding is rising at Mt Bohle with levels expected to exceed the moderate flood level of 5.5 metres during Saturday evening.

Stream levels in Bluewater Creek and the Black River remain below minor flood levels, however fast rises are continuing with the heavy rain.

Motorists are warned not to attempt to drive through floodwater on roads.

Weather Forecast:
Squally rain periods and the chance of a thunderstorm. Moderate to heavy falls.

Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:

Alligator Ck at Alligator Ck #	2.67m	rising	05:20 PM SAT 25/12/10
Cape Ferguson tide *	1.98m	falling	05:00 PM SAT 25/12/10
Ross R at Ross River Dam #	39.1m	rising	05:41 PM SAT 25/12/10
Ross R at Black Weir (Riverway) #	0.7m	steady	05:00 PM SAT 25/12/10
Ross R at Aplin Weir #	NA		
Mindham Park at Mysterton #	2.92m	falling	05:38 PM SAT 25/12/10
Louisa Ck at Louisa Ck #	4.28m	falling	05:44 PM SAT 25/12/10
Lt Bohle R upstream Bohle Junction#	1.09m	falling	05:36 PM SAT 25/12/10
Bohle R at Hervey Range Rd #	6.02m	rising	05:19 PM SAT 25/12/10
Bohle R at Mt Bohle #	5.01m	rising	05:04 PM SAT 25/12/10
Townsville Harbour tide *	2m	falling	05:30 PM SAT 25/12/10
Black R upstream Bruce Hwy #	3.78m	rising	04:59 PM SAT 25/12/10
Bluewater Ck at Bluewater #	5.1m	rising	05:44 PM SAT 25/12/10

*,# denotes automatic station.

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Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20735

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BOHLE RIVER
Issued at 6:20 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfalls of between 25-60mm have been recorded in the past 12 hours in the
Townsville area. Minor to moderate flooding levels along the Bohle River between
Hervey Range Road and Mt Bohle have peaked and are currently steady. River
levels in the Bohle River are expected to continuing easing during Sunday but
dependent on further rainfall.

The heaviest rainfall totals recorded during the past 12 hours to 6am Sunday
include Mt Margaret 61mm, Stuart Creek 61mm, and 25-50mm elsewhere around the
Townsville area.

Motorists are warned not to attempt to drive through floodwaters on roads.

Weather Forecast:
Squally showers tending to rain at times. Chance of a thunderstorm. Moderate to
heavy falls possible.

Next Issue:
The next warning will be issued at about 3pm Sunday.

Latest River Heights:
Lt Bohle R upstream Bohle Junction# 0.69m falling  05:57 AM SUN 26/12/10
Bohle R at Hervey Range Rd #        5.72m falling  05:39 AM SUN 26/12/10
Bohle R at Mt Bohle #               5.06m falling  05:45 AM SUN 26/12/10
Black R upstream Bruce Hwy #        3.08m falling  05:44 AM SUN 26/12/10
Bluewater Ck at Bluewater #         3.60m falling  05:54 AM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20735
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BOHLE RIVER
Issued at 3:05 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall totals of between 40-60mm have been recorded since 9am Sunday in the
Townsville area. Minor to moderate flood levels along the Bohle River between
Hervey Range Road and Mt Bohle are recording renewed rises. River levels in the
Bohle River are expected to continuing rising during Sunday evening.

The heaviest rainfall totals recorded during the past 12 hours to 3pm Sunday
include Nettlefield 70mm, The Pinnacles 66m, Little Bohle River 60mm, and
45-60mm elsewhere around the Townsville area.

Weather Forecast:
Squally showers tending to rain at times. Chance of a thunderstorm. Moderate to
heavy falls possible.

Next Issue:
The next warning will be issued at about 9am Monday.

Latest River Heights:
Bohle R at Hervey Range Rd #        6.52m rising  02:34 PM SUN 26/12/10
Bohle R at Mt Bohle #               5.26m rising  02:24 PM SUN 26/12/10
Black R upstream Bruce Hwy #        4.03m falling 02:34 PM SUN 26/12/10
Bluewater Ck at Bluewater #         3.6m falling  02:29 PM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20735

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BOHLE RIVER
Issued at 7:25 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the Bohle River between Hervey Range Road
and Mt Bohle during Monday morning. Further scattered showers and thunderstorms
are forecast for the Townsville area which are likely to result in further
renewed rises and flooding.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
Alligator Ck at Alligator Ck #      2.41m falling 07:16 AM MON 27/12/10
Cape Ferguson tide *                1.68m falling 06:00 AM MON 27/12/10
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Ross R at Ross River Dam #           40.05m rising 07:19 AM MON 27/12/10
Ross R at Black Weir (Riverway) #    1.1m steady   05:00 AM MON 27/12/10
Ross R at Aplin Weir #               NA
Mindham Park at Mysterton #          2.82m steady  07:05 AM MON 27/12/10
Louisa Ck at Louisa Ck #             3.78m falling 06:58 AM MON 27/12/10
Lt Bohle R upstream Bohle Junction#  -0.11m rising 06:54 AM MON 27/12/10
Bohle R at Hervey Range Rd #         4.67m falling 07:14 AM MON 27/12/10
Bohle R at Mt Bohle #                4.41m falling 07:18 AM MON 27/12/10
Townsville Harbour tide *            1.72m falling 06:50 AM MON 27/12/10

Black R upstream Bruce Hwy #         2.08m steady  06:44 AM MON 27/12/10
Bluewater Ck at Bluewater #          2.3m steady   07:08 AM MON 27/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(08)"

FLDWARN for the Haughton River

1 December 2010 to 31 January 2011

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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 4:06 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall totals of between 60-90mm during the 12 hours to 3pm Saturday has led
to fast stream rises across the Haughton catchment during Saturday afternoon.
Minor flooding is expected to develop along Major Creek and the Haughton River
during Saturday evening, with minor to moderate flood levels expected to develop
downstream at Giru during this evening. Further heavy rainfall is forecast to
continue overnight Saturday which may result in higher river levels.

Weather Forecast:
Squally rain periods and the chance of a thunderstorm. Moderate to heavy falls.

Next Issue:
The next warning will be issued at about 8pm Saturday.

Latest River Heights:
Reid R at Flora Valley               NA
Haughton R at Mt Piccaninny #       2.37m rising 03:32 PM SAT 25/12/10
Major Ck upstream Haughton R #      5.54m rising 03:31 PM SAT 25/12/10
Haughton R at Powerline #           3m rising    03:18 PM SAT 25/12/10
Haughton R at Hustons Farm          NA
Haughton R at Giru #                0.89m rising 03:02 PM SAT 25/12/10
Barratta Ck at Northcote *          6.91m rising 02:15 PM SAT 25/12/10
West Barratta Ck at Jerona *        NA
East Barratta Ck at Bruce Highway * 3.36m rising 03:05 PM SAT 25/12/10

*,# denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 7:27 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Saturday's rain is causing fast river rises in the upper Haughton River and Major Creek. Fast river rises are expected tonight at Giru with river levels expected to exceed the major flood level of 2.5 metres. Giru is predicted to reach 2.7 metres during early Sunday morning, with possible further rises depending on tonight's rainfall in the area.

Predicted River Heights/Flows:
Giru: reach 2.7 metres during early Sunday morning, with possible further rises

Next Issue:
The next warning will be issued at about 6am Sunday or earlier if conditions change.

Latest River Heights:

Haughton R at Mt Piccaninny #	4.67m rising 07:14 PM SAT 25/12/10
Major Ck upstream Haughton R #	5.94m rising 07:13 PM SAT 25/12/10
Haughton R at Powerline #	3.5m rising 06:58 PM SAT 25/12/10
Haughton R at Giru #	1.09m rising 06:50 PM SAT 25/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 5:44 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall recorded during the past 48 hours is causing moderate to major flooding along the Haughton River and Major Creek. Major flood levels have peaked in the upper Haughton River at Mt Piccaninny with moderate flooding continuing at Powerline and in Major Creek.

River level rises causing major flooding are forecast to reach around 2.7 metres at Giru and remain high during Sunday. Rainfall is continuing in the Haughton River catchment during Sunday morning.

Predicted River Heights/Flows:
Giru Reach about 2.7 metres during Sunday morning, and
remain high during Sunday.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

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Haughton R at Mt Piccaninny #       5.32m rising 04:52 AM SUN 26/12/10
Major Ck upstream Haughton R #      7.89m rising 04:48 AM SUN 26/12/10
Haughton R at Powerline #           6.15m rising 04:48 AM SUN 26/12/10
Haughton R at Giru #                2.59m rising 04:47 AM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 10:20 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is being recorded along the Haughton River and Major
Creek. Major flood levels have peaked in the upper Haughton River at Mt
Piccaninny with moderate flooding continuing to rise at Powerline and in Major
Creek.

Rainfall has re-commenced in the upper Haughton River catchment. Further
moderate to heavy rainfall is forecast with renewed rises and higher levels
likely.

Predicted River Heights/Flows:
Giru               Peak at about 2.8 metres Sunday morning, and
                   remain high for the remainder of Sunday.

Weather Forecast:
Rain areas, squally showers, and isolated thunderstorms. Local moderate to heavy
falls.

Next Issue:
The next warning will be issued at about 2pm Sunday.

Latest River Heights:
Haughton R at Mt Piccaninny #       5.12m falling       09:22 AM SUN 26/12/10
Major Ck upstream Haughton R #      8.34m rising        09:00 AM SUN 26/12/10
Haughton R at Powerline #           6.8m rising         08:58 AM SUN 26/12/10
Haughton R at Giru #                2.79m rising        09:22 AM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 2:26 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Haughton River from Mt Piccaninny
to Giru and in Major Creek. Rainfall recorded during the last 6 hours in the
upper reaches of the Haughton River catchment is producing some renewed rises at
Mt Piccaninny.

Major flood levels continue in the Haughton River at Giru. Some further small
rises have been recorded during today but at this stage the level is expected to
remain around 2.8 metres during Sunday. Further moderate to heavy falls are
possible in the next 24 hours.

Predicted River Heights/Flows:
Giru               Remain around 2.8 metres during Sunday.

Weather Forecast:
Rain areas, squally showers, and isolated thunderstorms. Local moderate to heavy
falls.

Next Issue:
The next warning will be issued at about 8pm Sunday.

Latest River Heights:
Haughton R at Mt Piccaninny #       4.77m rising       01:25 PM SUN 26/12/10
Major Ck upstream Haughton R #      8.49m rising       11:39 AM SUN 26/12/10
Haughton R at Powerline #           6.9m falling       01:08 PM SUN 26/12/10
Haughton R at Giru #                2.84m rising       12:05 PM SUN 26/12/10
Haughton R at Giru                  2.8m rising slowly 11:00 AM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 8:02 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding extends along the Haughton River from Mt Piccaninny increasing
to major flooding at Giru.  Moderate flooding is easing on Major Creek.
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Major flood levels at Giru are expected to continue overnight at around 2.8
metres then fall rapidly during Monday.  Further showers and thunderstorms are
forecast for the region but heavy falls are not expected.

Predicted River Heights/Flows:
Giru              Remain around 2.8 metres overnight Sunday.

Next Issue:
The next warning will be issued at about 8am Monday.

Latest River Heights:
Haughton R at Mt Piccaninny *       4.35m falling        07:55 PM SUN 26/12/10
Major Ck upstream Haughton R #      8.19m falling        06:47 PM SUN 26/12/10
Haughton R at Powerline #           6.75m rising         07:23 PM SUN 26/12/10
Haughton R at Giru #                2.79m steady         04:54 PM SUN 26/12/10

# * denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 7:17 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing in the Haughton River at Giru with minor flooding
extending along the Haughton River between Mt Piccaninny and Powerline. Minor
flooding is easing in Major Creek.

Major flood levels at Giru are expected to continue easing during Monday.
Further showers and thunderstorms are forecast for the region but heavy falls
are not expected.

Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:
Haughton R at Mt Piccaninny #       3.52m falling      07:04 AM MON 27/12/10
Major Ck upstream Haughton R #      7.89m falling      06:43 AM MON 27/12/10
Haughton R at Powerline #           5.50m falling      06:38 AM MON 27/12/10
Haughton R at Giru #                2.54m falling      06:36 AM MON 27/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM605

IDQ20740

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE HAUGHTON RIVER
Issued at 3:51 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is easing in the Haughton river between Powerline and Giru. Minor flooding is easing in Major Creek.

Moderate flood levels at Giru are expected to fall below minor during Monday night.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Major Ck upstream Haughton R #	7.44m	falling 03:05 PM MON 27/12/10
Haughton R at Powerline #	4.75m	falling 03:23 PM MON 27/12/10
Haughton R at Giru #	2.24m	falling 02:54 PM MON 27/12/10

# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(09)"

FLDWARN for the Burdekin River basin

1 December 2010 to 31 January 2011

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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
Issued at 7:44 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro and will extend
downstream during this week. Minor flooding in the Cape, Suttor and upper
Burdekin Rivers will cause minor flooding in Burdekin Falls Dam and downstream
in the lower Burdekin River to Inkerman Bridge during the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
Major flood levels continue to rise in the Belyando River at Albro. Downstream
in the Suttor River at St Anns minor flooding continues to rise with further
rises possible this week.

UPPER BURDEKIN RIVER:
Rainfalls recorded in the past 24 hours between the Paluma area and Townsville
are producing river level rises and minor flooding at Mt Fullstop. Further rises
are expected at Sellheim with levels forecast to remain below the minor flood
level of 12 metres. Inflows into Burdekin Falls Dam will continue for the next
few days with a minor flood peak of around 3 metres expected during Monday.

LOWER BURDEKIN RIVER:
Minor flooding is being recorded in the lower Burdekin River between Dalbeg and
Millaroo with further rises causing minor flooding at Inkerman Bridge with the
peak expected during Monday. Further rainfall is forecast for the catchment with
higher levels possible.

Predicted River Heights/Flows:
Burdekin River:

Burdekin Falls Dam:      Peak around 3 metres during Monday.

Weather Forecast:
Rain areas, squally showers, and isolated thunderstorms. Local moderate to heavy
falls.

Next Issue:
The next warning will be issued at about 9am Monday.

Latest River Heights:
Burdekin R at Mt Fullstop *        8.10m rising        06:00 AM SUN 26/12/10
Burdekin R at Gainsford *         10.79m rising        06:00 AM SUN 26/12/10
Burdekin R at Sellheim #          10.17m rising        07:42 AM SUN 26/12/10
Alpha Ck at Alpha                  5.75m rising slowly 09:00 AM SAT 25/12/10
Belyando R at Albro                6.80m rising slowly 10:30 AM SAT 25/12/10
Belyando R at Belyando Crossing *  6.14m rising        06:00 AM SUN 26/12/10
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Suttor R at St Anns #              5.74m steady        07:15 AM SUN 26/12/10
Cape R at Taemas #                 4.89m steady        06:27 AM SUN 26/12/10
Burdekin R at Burdekin Dam #       2.37m rising        07:10 AM SUN 26/12/10
Burdekin R at Dalbeg #            10.26m rising        07:34 AM SUN 26/12/10
Bogie R at Strathbogie #           4.16m rising        07:41 AM SUN 26/12/10
Burdekin R at Millaroo #           9.78m rising        07:41 AM SUN 26/12/10
Burdekin R at Clare #              8.65m rising        07:29 AM SUN 26/12/10
Plantation Park Crossing at Ayr #  0.55m steady        06:26 AM SUN 26/12/10
Burdekin R at Inkerman Br #        6.45m rising        07:34 AM SUN 26/12/10
Dal Santos Crossing at Brandon #   1.55m steady        05:18 AM SUN 26/12/10
Burdekin R at Rita Island #       -0.70m rising        05:55 AM SUN 26/12/10
Burdekin R at Groper Ck #          0.79m rising        07:40 AM SUN 26/12/10

*,# from automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
Issued at 8:08 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are rising in the Belyando River at Albro. Minor flooding is
occurring in the Cape, Suttor and upper Burdekin Rivers which is causing minor
flooding at the Burdekin Falls Dam. Minor flooding has extended downstream along
the lower Burdekin River through to Inkerman Bridge, where minor flooding will
continue for the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
Further heavy rainfall overnight Sunday is causing renewed rises and major
flooding in the Belyando River at Albro. Downstream in the Suttor River at St
Anns minor flooding continues with further rises possible this week.

UPPER BURDEKIN RIVER:
River levels are easing during Monday morning across the upper Burdekin
catchment, with minor flooding easing at Mt Fullstop and river levels continues
to ease below minor at Sellheim. Inflows into Burdekin Falls Dam will continue
for the next few days with a minor flood peak to about 3.4 metres expected
overnight Monday.

LOWER BURDEKIN RIVER:
Minor flooding continues to rise along the lower Burdekin River between Dalbeg
and Clare, with further small rises and minor flooding downstream at Inkerman
Bridge where the flood peak is expected during Monday. At 7.40am Monday the
river level at Inkerman Bridge was 8.5 metres and rising slowly. Minor flooding
is also rising downstream at Rita Island.

Predicted River Heights/Flows:
Burdekin River:
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Burdekin Falls Dam           Peak around 3.4 metres overnight Monday.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:
Burdekin R at Mt Fullstop *       6.87m falling       06:00 AM MON 27/12/10
Burdekin R at Gainsford *         9.71m falling       06:00 AM MON 27/12/10
Burdekin R at Sellheim #          9.57m falling       07:27 AM MON 27/12/10
Alpha Ck at Alpha                 4.65m rising slowly 07:00 PM SUN 26/12/10
Belyando R at Albro               7m rising slowly    06:00 AM MON 27/12/10
Belyando R at Belyando Crossing * 6.38m steady        06:00 AM MON 27/12/10
Suttor R at St Anns #             5.69m steady        04:15 AM MON 27/12/10
Cape R at Taemas #                5.29m rising        06:53 AM MON 27/12/10
Burdekin R at Burdekin Dam #      3.22m rising        07:00 AM MON 27/12/10
Bowen R at Myuna #                NA
Burdekin R at Dalbeg #            12.86m steady       05:27 AM MON 27/12/10
Bogie R at Strathbogie #          2.76m falling       07:43 AM MON 27/12/10
Burdekin R at Millaroo #          12.03m steady       07:54 AM MON 27/12/10
Burdekin R at Clare #             11.3m rising        07:20 AM MON 27/12/10
Plantation Park Crossing at Ayr # 0.3m falling        08:00 AM MON 27/12/10
Burdekin R at Inkerman Br #       8.5m rising         07:41 AM MON 27/12/10
Dal Santos Crossing at Brandon #  1.3m falling        07:31 AM MON 27/12/10
Burdekin R at Rita Island #       1.3m rising         07:49 AM MON 27/12/10
Burdekin R at Groper Ck #         2.39m rising        08:02 AM MON 27/12/10

*,# denotes automatic station.

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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
Issued at 9:41 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are rising in the Belyando River at Albro. Minor flooding is
occurring in the Cape, Suttor and upper Burdekin Rivers which is causing minor
flooding at the Burdekin Falls Dam. Minor flooding has extended downstream along
the lower Burdekin River through to Inkerman Bridge, where minor flooding will
continue for the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
Further heavy rainfall overnight Sunday is causing renewed rises and major
flooding in the Belyando River at Albro and in Alpha Creek at Rivington. River
level rises to at least the minor flood level of 7 metres are expected at Alpha
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during this week. Downstream in the Suttor River at St Anns minor flooding continues with further rises possible this week.

UPPER BURDEKIN RIVER:
River levels are easing during Monday morning across the upper Burdekin catchment, with minor flooding easing at Mt Fullstop and river levels continues to ease below minor at Sellheim. Inflows into Burdekin Falls Dam will continue for the next few days with a minor flood peak to about 3.4 metres expected overnight Monday.

LOWER BURDEKIN RIVER:
Minor flooding continues to rise along the lower Burdekin River between Dalbeg and Clare, with further small rises and minor flooding downstream at Inkerman Bridge where the flood peak is expected during Monday. At 7.40am Monday the river level at Inkerman Bridge was 8.5 metres and rising slowly. Minor flooding is also rising downstream at Rita Island.

Predicted River Heights/Flows:
Burdekin River:

Burdekin Falls Dam	Peak around 3.4 metres overnight Monday.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Burdekin R at Mt Fullstop *	6.61m falling	08:20 AM MON 27/12/10
Burdekin R at Gainsford *	9.57m falling	08:00 AM MON 27/12/10
Burdekin R at Sellheim #	9.47m falling	08:42 AM MON 27/12/10
Alpha Ck at Rivington	7.5m rising	07:00 AM MON 27/12/10
Alpha Ck at Alpha	4.65m rising slowly	07:00 PM SUN 26/12/10
Belyando R at Albro	7m rising slowly	06:00 AM MON 27/12/10
Belyando R at Belyando Crossing *	6.39m steady	08:00 AM MON 27/12/10
Suttor R at St Anns #	5.69m steady	04:15 AM MON 27/12/10
Cape R at Taemas #	5.34m rising	08:18 AM MON 27/12/10
Burdekin R at Burdekin Dam #	3.27m rising	08:19 AM MON 27/12/10
Burdekin R at Dalbeg #	12.91m rising	08:56 AM MON 27/12/10
Bogie R at Strathbogie #	2.76m steady	08:56 AM MON 27/12/10
Burdekin R at Millaroo #	12.09m rising	08:51 AM MON 27/12/10
Burdekin R at Clare #	11.35m rising	08:20 AM MON 27/12/10
Plantation Park Crossing at Ayr #	0.3m falling	08:00 AM MON 27/12/10
Burdekin R at Inkerman Br #	8.5m rising	07:41 AM MON 27/12/10
Dal Santos Crossing at Brandon #	1.3m steady	08:18 AM MON 27/12/10
Burdekin R at Rita Island #	1.35m rising	08:50 AM MON 27/12/10
Burdekin R at Groper Ck #	2.99m rising	09:13 AM MON 27/12/10

*,# from automatic station

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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
Issued at 11:49 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

At 8pm Monday, Alpha Creek at Alpha was 7.9 metres rising. A major flood peak is expected at Alpha during Tuesday, possibly near or exceeding 9 metres. In April 1990, Alpha peaked at 10.26 metres.

Major flood levels are rising in the Belyando River at Albro. Minor flooding is occurring in the Cape, Suttor and upper Burdekin Rivers which is causing minor flooding at the Burdekin Falls Dam. Minor flooding has extended downstream along the lower Burdekin River through to Inkerman Bridge, where minor flooding will continue for the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
Further heavy rainfall overnight Sunday is causing renewed rises and major flooding in the Belyando River at Albro and in Alpha Creek at Rivington. River level rises to at least the minor flood level of 7 metres are expected at Alpha during this week. Downstream in the Suttor River at St Anns minor flooding continues with further rises possible this week.

UPPER BURDEKIN RIVER:
River levels are easing during Monday morning across the upper Burdekin catchment, with minor flooding easing at Mt Fullstop and river levels continues to ease below minor at Sellheim. Inflows into Burdekin Falls Dam will continue for the next few days with a minor flood peak to about 3.4 metres expected overnight Monday.

LOWER BURDEKIN RIVER:
Minor flooding continues to rise along the lower Burdekin River between Dalbeg and Clare, with further small rises and minor flooding downstream at Inkerman Bridge where the flood peak is expected during Monday. At 7.40am Monday the river level at Inkerman Bridge was 8.5 metres and rising slowly. Minor flooding is also rising downstream at Rita Island.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Burdekin R at Mt Fullstop *	7.97m	rising	08:00 PM MON 27/12/10
Burdekin R at Gainsford *	7.56m	steady	10:10 PM MON 27/12/10
Burdekin R at Sellheim #	7.77m	falling	11:32 PM MON 27/12/10
Alpha Ck at Rivington	9m	steady	02:20 PM MON 27/12/10
Alpha Ck at Alpha	7.9m	rising	08:00 PM MON 27/12/10
Belyando R at Albro	7.3m	rising	06:29 PM MON 27/12/10
Belyando R at Belyando Crossing *	6.45m	steady	10:00 PM MON 27/12/10
Suttor R at St Anns #	6.04m	rising	10:21 PM MON 27/12/10
Cape R at Taemas #	6.04m	rising	11:14 PM MON 27/12/10
Burdekin R at Burdekin Dam #	3.47m	steady	09:30 PM MON 27/12/10
Burdekin R at Dalbeg #	12.96m	steady	11:27 PM MON 27/12/10
Bogie R at Strathbogie #	3.36m	rising	11:30 PM MON 27/12/10
Burdekin R at Millaroo #	12.09m	rising	10:21 PM MON 27/12/10
Burdekin R at Clare #	11.25m	steady	09:33 PM MON 27/12/10
Burdekin R at Inkerman Br #	8.6m	steady	09:54 PM MON 27/12/10

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

CORRECTED

PRIORITY
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
Issued at 12:06 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

At 8pm Monday, Alpha Creek at Alpha was 7.9 metres rising. A major flood peak is expected at Alpha during Tuesday, possibly near or exceeding 9 metres. In April 1990, Alpha peaked at 10.26 metres.

Major flood levels are rising in the Belyando River at Albro. Minor flooding is occurring in the Cape, Suttor and upper Burdekin Rivers which is causing minor flooding at the Burdekin Falls Dam. Minor flooding has extended downstream along the lower Burdekin River through to Inkerman Bridge, where minor flooding will continue for the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
At 8pm Monday, Alpha Creek at Alpha was 7.9 metres rising. A major flood peak is expected at Alpha during Tuesday, possibly near or exceeding 9 metres. In April 1990, Alpha peaked at 10.26 metres. Downstream in the Suttor River at St Anns minor flooding continues with further rises possible this week.

UPPER BURDEKIN RIVER:
River levels are easing during Monday across the upper Burdekin catchment, with minor flooding easing at Mt Fullstop. River levels continues to ease below minor at Sellheim. Inflows into Burdekin Falls Dam will continue for the next few days with a minor flood peak to about 3.4 metres expected on Tuesday.

LOWER BURDEKIN RIVER:
At 10pm Monday, the river level at Inkerman Bridge was 8.6 metres and steady.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Burdekin R at Mt Fullstop *	7.97m	rising	08:00 PM MON 27/12/10
Burdekin R at Gainsford *	7.56m	steady	10:10 PM MON 27/12/10
Burdekin R at Sellheim #	7.77m	falling	11:32 PM MON 27/12/10
Alpha Ck at Rivington	9m	steady	02:20 PM MON 27/12/10
Alpha Ck at Alpha	7.9m	rising	08:00 PM MON 27/12/10
Belyando R at Albro	7.3m	rising	06:29 PM MON 27/12/10
Belyando R at Belyando Crossing *	6.45m	steady	10:00 PM MON 27/12/10
Suttor R at St Anns #	6.09m	rising	11:46 PM MON 27/12/10
Cape R at Taemas #	6.04m	rising	11:14 PM MON 27/12/10
Burdekin R at Burdekin Dam #	3.52m	rising	11:43 PM MON 27/12/10
Burdekin R at Dalbeg #	12.96m	steady	11:27 PM MON 27/12/10

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Bogie R at Strathbogie #          3.56m rising  11:58 PM MON 27/12/10
Burdekin R at Millaroo #          12.09m rising 10:21 PM MON 27/12/10
Burdekin R at Clare #             11.25m steady 09:33 PM MON 27/12/10
Burdekin R at Inkerman Br #       8.6m steady   09:54 PM MON 27/12/10


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
Issued at 8:55 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Creek levels in Alpha Creek at Alpha have recorded a 9.0 metre major flood peak
at 8am Tuesday with creek currently easing at 8.95 metres.

Major flood levels are rising in the Belyando River at Albro. Minor flooding is
occurring in the Cape, Suttor and upper Burdekin Rivers which is causing minor
flooding at the Burdekin Falls Dam. Minor flooding has extended downstream along
the lower Burdekin River through to Inkerman Bridge, where minor flooding will
continue for the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
At 8:30am Tuesday, Alpha Creek at Alpha was 8.95 metres easing following a 9
metre major flood peak at 8am. This is the highest level at Alpha since April
1990, when Alpha peaked at 10.26 metres. Downstream in the Suttor River at St
Anns minor flooding continues with further rises possible this week.

UPPER BURDEKIN RIVER:
River levels are easing during Monday across the upper Burdekin catchment, with
minor flooding easing at Mt Fullstop. Inflows into Burdekin Falls Dam will
continue for the next few days. Heights at Burdekin Falls Dam are approaching a
peak of about 3.5 causing minor flooding.

LOWER BURDEKIN RIVER:
At 8:45am Tuesday, the river level at Inkerman Bridge was 8.55 metres and
steady. Similar levels should continue into Wednesday.

Next Issue:
The next warning will be issued at about 9am Wednesday.

Latest River Heights:
Burdekin R at Mt Fullstop *       7.45m falling        08:00 AM TUE 28/12/10
Burdekin R at Gainsford *         7.95m rising         08:00 AM TUE 28/12/10
Burdekin R at Sellheim #          7.32m steady         08:17 AM TUE 28/12/10
Alpha Ck at Rivington             9.00m steady         02:20 PM MON 27/12/10
Alpha Ck at Alpha                 8.95m falling slowly 08:30 AM TUE 28/12/10
Belyando R at Albro               7.50m rising         05:30 AM TUE 28/12/10
Belyando R at Belyando Crossing * 6.46m steady         08:00 AM TUE 28/12/10
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Suttor R at St Anns #              6.24m steady         07:15 AM TUE 28/12/10
Cape R at Taemas #                 6.19m rising         08:33 AM TUE 28/12/10
Burdekin R at Burdekin Dam #       3.52m falling        06:30 AM TUE 28/12/10
Burdekin R at Dalbeg #            13.06m steady         08:27 AM TUE 28/12/10
Bogie R at Strathbogie #           3.91m falling        08:38 AM TUE 28/12/10
Burdekin R at Millaroo #          11.98m falling        08:25 AM TUE 28/12/10
Burdekin R at Clare #             11.20m falling        08:38 AM TUE 28/12/10
Burdekin R at Inkerman Br #        8.55m steady         08:45 AM TUE 28/12/10

*,# from automatic station

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public and satellite phones.
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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
Issued at 8:00 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro. Minor flooding is
generally easing in the Cape, Suttor and upper Burdekin Rivers which is causing
minor flooding at the Burdekin Falls Dam. Minor flooding is easing downstream
along the lower Burdekin River through to Inkerman Bridge, where minor flooding
will continue for the next few days.

BELYANDO/SUTTOR RIVER SYSTEM:
Major flooding continues along Alpha Creek and the Belyando River, where river
levels at Alpha were the highest since April 1990. Downstream in the Suttor
River at St Anns minor flooding continues to slowly rise with further rises
possible this week.

UPPER BURDEKIN RIVER:
River levels continue to generally ease across the upper Burdekin catchment
during Wednesday morning, with minor flooding easing at Mt Fullstop. Inflows
into Burdekin Falls Dam will continue for the next few days. Heights at Burdekin
Falls Dam have eased slightly from the 3.6 metre peak recorded 4am Tuesday,
where at 6.30am Wednesday the dam level was at 3.47 metres causing minor
flooding.

LOWER BURDEKIN RIVER:
River levels along the lower Burdekin River commenced to ease overnight with
minor flooding easing between Dalbeg and Inkerman Bridge during Wednesday. At
7.15am Wednesday, the river level at Inkerman Bridge was 8.25 metres and
falling.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 9am Thursday.
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Latest River Heights:
Burdekin R at Mt Fullstop *       6.27m rising         06:00 AM WED 29/12/10
Burdekin R at Gainsford *         8.15m rising         06:30 AM WED 29/12/10
Burdekin R at Sellheim #          7.52m falling        07:51 AM WED 29/12/10
Alpha Ck at Alpha                 8.95m falling slowly 08:30 AM TUE 28/12/10
Belyando R at Albro               7.65m rising slowly  06:00 AM WED 29/12/10
Belyando R at Belyando Crossing * 6.43m steady         06:00 AM WED 29/12/10
Suttor R at St Anns #             6.34m steady         07:15 AM WED 29/12/10
Cape R at Taemas #                6.24m steady         05:18 AM WED 29/12/10
Burdekin R at Burdekin Dam #      3.47m steady         06:30 AM WED 29/12/10
Burdekin R at Dalbeg #            12.36m falling       07:43 AM WED 29/12/10
Bogie R at Strathbogie #          2.36m falling        06:44 AM WED 29/12/10
Burdekin R at Millaroo #          11.48m falling       07:22 AM WED 29/12/10
Burdekin R at Clare #             10.65m falling       07:30 AM WED 29/12/10
Plantation Park Crossing at Ayr # 0.3m steady          06:25 AM WED 29/12/10
Burdekin R at Inkerman Br #       8.25m falling        07:13 AM WED 29/12/10
Dal Santos Crossing at Brandon #  0.4m steady          05:18 AM WED 29/12/10
Burdekin R at Rita Island #       1.15m falling        06:13 AM WED 29/12/10

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
Issued at 9:05 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro. Minor flooding
continues to ease in the Cape, Suttor and upper Burdekin Rivers which is causing
minor flooding at the Burdekin Falls Dam. Minor flooding is easing downstream
along the lower Burdekin River through to Inkerman Bridge, where minor flooding
will continue going into the weekend.

BELYANDO/SUTTOR RIVER SYSTEM:
Major flooding continues along Alpha Creek and the Belyando River. Downstream in
the Suttor River at St Anns minor flooding continues to slowly rise with further
rises possible this week.

UPPER BURDEKIN RIVER:
River levels continue to generally ease across the upper Burdekin catchment,
with minor flooding easing at Mt Fullstop. Inflows into Burdekin Falls Dam will
continue for the next few days. Heights at Burdekin Falls Dam continue to ease
very slowly, where at 6.30am Thursday the dam level was at 3.42 metres causing
minor flooding.

LOWER BURDEKIN RIVER:
Minor flooding continues to generally ease along the lower Burdekin River
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between Dalbeg and Inkerman Bridge. At 9am Thursday, the river level at Inkerman Bridge was 7.85 metres and falling.

Weather Forecast:
Isolated showers, chiefly in the afternoon and evening.

Next Issue:
The next warning will be issued at about 9am Friday.

Latest River Heights:

Burdekin R at Mt Fullstop *	8.32m rising	08:20 AM THU 30/12/10
Burdekin R at Gainsford *	8.11m rising	08:00 AM THU 30/12/10
Burdekin R at Sellheim #	6.72m steady	08:16 AM THU 30/12/10
Alpha Ck at Alpha	NA	
Belyando R at Albro	7.65m steady	07:00 AM THU 30/12/10
Belyando R at Belyando Crossing *	6.51m rising	08:00 AM THU 30/12/10
Suttor R at St Anns #	6.44m steady	07:15 AM THU 30/12/10
Cape R at Taemas #	5.64m falling	08:48 AM THU 30/12/10
Burdekin R at Burdekin Dam #	3.42m steady	06:30 AM THU 30/12/10
Burdekin R at Dalbeg #	11.91m steady	08:27 AM THU 30/12/10
Bogie R at Strathbogie #	2.36m falling	07:07 AM THU 30/12/10
Burdekin R at Millaroo #	10.84m steady	07:54 AM THU 30/12/10
Burdekin R at Clare #	10.15m falling	07:33 AM THU 30/12/10
Plantation Park Crossing at Ayr #	0.2m steady	06:25 AM THU 30/12/10
Burdekin R at Inkerman Br #	7.85m falling	08:53 AM THU 30/12/10
Dal Santos Crossing at Brandon #	0.05m steady	08:18 AM THU 30/12/10
Burdekin R at Rita Island #	0.8m steady	08:32 AM THU 30/12/10
Burdekin R at Groper Ck #	NA	

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
Issued at 8:15 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro, with rises and moderate flooding occurring downstream in the Suttor River at St Anns. Minor flooding continues in the Cape and upper Burdekin Rivers which is causing minor flooding at the Burdekin Falls Dam. Minor flooding continues to slowly ease downstream along the lower Burdekin River through to Inkerman Bridge. River levels at Inkerman Bridge will remain high during today, and then commence to ease over the weekend and during next week.

Further heavy rainfall of 80-110mm has been recorded overnight in the St Anns and Scartwater areas.

BELYANDO/SUTTOR RIVER SYSTEM:
Major flooding continues along the Belyando River at Albro. Moderate flooding is rising downstream in the Suttor River at St Anns with further rises expected during the weekend.

Renewed rises and minor flooding is rising in the Cape River at Taemas following recent heavy rainfall.

UPPER BURDEKIN RIVER:
River levels continue to generally ease across the upper Burdekin catchment, with minor flooding easing at Mt Fullstop. Inflows into Burdekin Falls Dam will continue for the next few days, with heights at Burdekin Falls Dam easing very slowly. At 6.30am Friday the dam level was at 3.37 metres and steady causing minor flooding.

LOWER BURDEKIN RIVER:
Minor flooding continues to slowly ease along the lower Burdekin River between Dalbeg and Inkerman Bridge. At 9am Thursday, the river level at Inkerman Bridge was 7.85 metres and falling.

Weather Forecast:
Isolated showers and thunderstorms, chiefly in the afternoon and evening.

Next Issue:
The next warning will be issued at about 9am Saturday.

Latest River Heights:

Burdekin R at Mt Fullstop *	6.29m falling	06:00 AM FRI 31/12/10
Burdekin R at Gainsford *	8.32m rising	07:00 AM FRI 31/12/10
Burdekin R at Sellheim #	7.57m falling	07:16 AM FRI 31/12/10
Belyando R at Albro	7.7m rising slowly	06:20 AM FRI 31/12/10
Belyando R at Belyando Crossing *	7.02m rising	07:00 AM FRI 31/12/10
Suttor R at St Anns #	6.74m rising	07:50 AM FRI 31/12/10
Cape R at Taemas #	5.09m rising	08:02 AM FRI 31/12/10
Burdekin R at Burdekin Dam #	3.37m steady	06:30 AM FRI 31/12/10
Burdekin R at Dalbeg #	11.96m rising	07:32 AM FRI 31/12/10
Bogie R at Strathbogie #	2.31m rising	07:36 AM FRI 31/12/10
Burdekin R at Millaroo #	10.89m falling	07:55 AM FRI 31/12/10
Burdekin R at Clare #	10.15m falling	08:01 AM FRI 31/12/10
Plantation Park Crossing at Ayr #	0.15m steady	06:25 AM FRI 31/12/10
Burdekin R at Inkerman Br #	7.9m falling	07:20 AM FRI 31/12/10
Dal Santos Crossing at Brandon #	0.15m rising	05:18 AM FRI 31/12/10
Burdekin R at Rita Island #	0.8m steady	05:32 AM FRI 31/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
Issued at 8:29 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro, with rises and moderate flooding occurring downstream in the Suttor River at St Anns. Minor flooding continues in the Cape River at Taemas. Minor flooding continues between the Burdekin Falls Dam through to Inkerman Bridge.

BELYANDO/SUTTOR RIVER SYSTEM:
Major flooding continues along the Belyando River at Albro. Moderate flooding is rising downstream in the Suttor River at St Anns with further rises expected during the weekend.

UPPER BURDEKIN RIVER:
River levels continue to ease across the upper Burdekin River catchment, with heights at Burdekin Falls Dam easing very slowly. At 6.30am Friday the dam level was at 3.37 metres and steady causing minor flooding.

LOWER BURDEKIN RIVER:
Minor flooding continues to slowly ease along the lower Burdekin River between Dalbeg and Inkerman Bridge. At 7am Saturday, the river level at Inkerman Bridge was 7.6 metres and falling.

Weather Forecast:
Isolated showers, tending scattered north of Rollingstone. Isolated thunderstorms, mainly in the north. Some local moderate to heavy falls possible in the north.

Next Issue:
The next warning will be issued at about 9am Sunday.

Latest River Heights:

Burdekin R at Mt Fullstop *	4.85m	falling	06:00 AM SAT 01/01/11
Burdekin R at Gainsford *	5.71m	falling	06:00 AM SAT 01/01/11
Burdekin R at Sellheim #	5.92m	falling	07:46 AM SAT 01/01/11
Belyando R at Albro	7.7m	steady	06:00 PM FRI 31/12/10
Belyando R at Belyando Crossing *	7.22m	steady	06:00 AM SAT 01/01/11
Suttor R at St Anns #	7.29m	rising	06:20 AM SAT 01/01/11
Cape R at Taemas #	6.89m	rising	02:18 AM SAT 01/01/11
Burdekin R at Burdekin Dam #	3.37m	steady	06:30 AM SAT 01/01/11
Burdekin R at Dalbeg #	11.46m	falling	06:13 AM SAT 01/01/11
Bogie R at Strathbogie #	2.01m	steady	05:56 AM SAT 01/01/11
Burdekin R at Millaroo #	10.59m	steady	07:54 AM SAT 01/01/11
Burdekin R at Clare #	9.75m	falling	06:57 AM SAT 01/01/11
Burdekin R at Inkerman Br #	7.6m	falling	07:17 AM SAT 01/01/11
Burdekin R at Rita Island #	0.55m	falling	06:11 AM SAT 01/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
Issued at 8:53 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro, with rises and moderate flooding occurring downstream in the Suttor River at St Anns. Minor flooding continues in the Cape River at Taemas. Minor flooding continues between the Burdekin Falls Dam through to Inkerman Bridge.

BELYANDO/SUTTOR RIVER SYSTEM:
Major flooding continues along the Belyando River at Albro. Moderate flooding is approaching a peak downstream in the Suttor River at St Anns.

UPPER BURDEKIN RIVER:
River levels continue to ease across the upper Burdekin River catchment, with heights at Burdekin Falls Dam easing very slowly. At 6.30am Sunday the dam level was at 3.22 metres and falling causing minor flooding.

LOWER BURDEKIN RIVER:
Minor flooding continues to slowly ease along the lower Burdekin River between Burdekin Falls Dam and Inkerman Bridge. At 7:44am Sunday, the river level at Inkerman Bridge was 7.25 metres and falling.

Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Burdekin R at Mt Fullstop *	4.08m	falling	06:00 AM SUN 02/01/11
Burdekin R at Gainsford *	4.93m	falling	07:00 AM SUN 02/01/11
Burdekin R at Sellheim #	4.27m	falling	08:16 AM SUN 02/01/11
Belyando R at Albro	7.7m	steady	06:30 AM SUN 02/01/11
Belyando R at Belyando Crossing *	7.09m	falling	07:00 AM SUN 02/01/11
Suttor R at St Anns #	7.54m	steady	07:15 AM SUN 02/01/11
Cape R at Taemas #	6.79m	falling	08:18 AM SUN 02/01/11
Burdekin R at Burdekin Dam #	3.22m	falling	06:30 AM SUN 02/01/11
Burdekin R at Dalbeg #	10.96m	falling	08:26 AM SUN 02/01/11
Bogie R at Strathbogie #	1.86m	falling	06:01 AM SUN 02/01/11
Burdekin R at Millaroo #	10.28m	falling	07:54 AM SUN 02/01/11
Burdekin R at Clare #	9.3m	falling	06:33 AM SUN 02/01/11
Burdekin R at Inkerman Br #	7.25m	falling	07:44 AM SUN 02/01/11
Burdekin R at Rita Island #	0.2m	falling	08:32 AM SUN 02/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
Issued at 9:21 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro, with moderate flood
levels easing downstream in the Suttor River at St Anns. Minor flooding
continues in the Cape River at Taemas. Minor flooding continues between the
Burdekin Falls Dam through to Inkerman Bridge.

River levels continue to ease very slowly at Burdekin Falls Dam. At 8:27am
Monday the dam level was at 3.07 metres and falling slowly causing minor
flooding.

Minor flooding continues to ease slowly along the lower Burdekin River between
Burdekin Falls Dam and Inkerman Bridge. At 8:49am Monday, the river level at
Inkerman Bridge was 7 metres and falling.

Weather Forecast:
Scattered showers, tending to rain areas at times. Isolated thunderstorms. Some
moderate to locally heavy falls possible, particularly in northern parts.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:
Burdekin R at Mt Fullstop *       4.37m falling        08:00 AM MON 03/01/11
Burdekin R at Gainsford *         4.91m rising         08:00 AM MON 03/01/11
Burdekin R at Sellheim #          3.52m falling        08:41 AM MON 03/01/11
Belyando R at Albro               7.65m falling slowly 06:00 AM MON 03/01/11
Belyando R at Belyando Crossing * 6.92m steady         07:00 AM MON 03/01/11
Suttor R at St Anns #             7.29m falling        08:35 AM MON 03/01/11
Cape R at Taemas #                5.49m steady         08:18 AM MON 03/01/11
Burdekin R at Burdekin Dam #      3.07m rising         08:27 AM MON 03/01/11
Burdekin R at Dalbeg #            10.51m steady        08:26 AM MON 03/01/11
Bogie R at Strathbogie #          2.11m rising         06:06 AM MON 03/01/11
Burdekin R at Millaroo #          9.84m falling        07:59 AM MON 03/01/11
Burdekin R at Clare #             8.9m falling         08:36 AM MON 03/01/11
Burdekin R at Inkerman Br #       7m rising            08:49 AM MON 03/01/11
Burdekin R at Rita Island #       -0.1m steady         08:32 AM MON 03/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM601

IDQ20745
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
Issued at 6:59 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the Belyando River at Albro, with moderate flood levels easing downstream in the Suttor River at St Anns. Minor flooding continues along the Burdekin River at Mt Fullstop and downstream between Dalbeg and Inkerman Bridge.

River levels continue to ease very slowly at Burdekin Falls Dam, where at 6:30am Tuesday the level was 2.87 metres and falling slowly which is now below the minor flood level of 3 metres.

Small renewed rises causing minor flooding are being recorded along the Burdekin River between Dalbeg and Inkerman Bridge. River levels at Inkerman Bridge are expected to continue rising during Tuesday with a peak up to 8 metres forecast. At 6:18am Tuesday, the river level at Inkerman Bridge was 7.3 metres and rising.

Weather Forecast:
Scattered showers and isolated thunderstorms, chiefly in the afternoon and evening.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Burdekin R at Mt Fullstop *	5.91m falling	02:30 AM TUE 04/01/11
Burdekin R at Gainsford *	4.99m falling	05:00 AM TUE 04/01/11
Burdekin R at Sellheim #	4.42m steady	05:16 AM TUE 04/01/11
Belyando R at Albro	7.45m falling	05:30 AM TUE 04/01/11
Belyando R at Belyando Crossing *	6.8m steady	05:00 AM TUE 04/01/11
Suttor R at St Anns #	7.09m falling	05:15 AM TUE 04/01/11
Cape R at Taemas #	4.54m falling	06:03 AM TUE 04/01/11
Burdekin R at Burdekin Dam #	2.87m falling	06:30 AM TUE 04/01/11
Burdekin R at Dalbeg #	11.01m falling	03:28 AM TUE 04/01/11
Bogie R at Strathbogie #	4.11m falling	06:25 AM TUE 04/01/11
Burdekin R at Millaroo #	10.78m rising	06:13 AM TUE 04/01/11
Burdekin R at Clare #	9.6m steady	06:33 AM TUE 04/01/11
Burdekin R at Inkerman Br #	7.3m rising	06:18 AM TUE 04/01/11
Burdekin R at Rita Island #	0m rising	06:19 AM TUE 04/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20745

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
Issued at 9:57 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flood levels in the Belyando River at Albro are falling fast with river levels expected to fall below the minor flood level during the next 24-48 hours. Moderate flood levels continue to ease downstream in the Suttor River at St Anns with minor flooding also easing in the Burdekin River at Millaroo.

Weather Forecast:
Isolated showers tending scattered in the afternoon. Isolated afternoon and evening thunderstorms.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Burdekin R at Mt Fullstop *	4.34m	falling	08:00 AM WED 05/01/11
Burdekin R at Gainsford *	5.27m	falling	08:00 AM WED 05/01/11
Burdekin R at Sellheim #	4.67m	falling	09:31 AM WED 05/01/11
Belyando R at Albro	6m	falling fast	06:00 AM WED 05/01/11
Belyando R at Belyando Crossing *	6.68m	steady	08:00 AM WED 05/01/11
Suttor R at St Anns #	6.79m	falling	08:30 AM WED 05/01/11
Cape R at Taemas #	3.84m	steady	08:18 AM WED 05/01/11
Burdekin R at Burdekin Dam #	2.72m	steady	09:30 AM WED 05/01/11
Burdekin R at Dalbeg #	9.91m	falling	09:04 AM WED 05/01/11
Bogie R at Strathbogie #	2.96m	falling	09:11 AM WED 05/01/11
Burdekin R at Millaroo #	9.53m	falling	09:10 AM WED 05/01/11
Burdekin R at Clare #	8.65m	falling	09:33 AM WED 05/01/11
Burdekin R at Inkerman Br #	6.8m	falling	08:51 AM WED 05/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(10)"

FLDWARN for the Don Rv and Adj Streams

1 December 2010 to 31 January 2011

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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 2:16 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall recorded in the Don River catchment during the past 24 hours has
produced river level rises and minor flooding at Mt Dangar. River rises are
expected to continue at the Bowen Pump Station for the remainder of Friday with
minor flooding. Levels of around 3 metres are expected.

Next Issue:
The next warning will be issued at about 4:30pm Friday.

Latest River Heights:
Don R at Ida Ck #               2.26m falling 02:01 PM FRI 03/12/10
Don R at Mt Dangar #            2.7m steady   01:34 PM FRI 03/12/10
Don R at Reeves #               2.91m rising  02:07 PM FRI 03/12/10
Don R at Bowen Pump Stn #       2.1m rising   02:05 PM FRI 03/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 3:58 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall recorded in the Don River catchment during the past 24 hours has
produced river level rises and minor flooding at Mt Dangar and Reeves. River
rises are expected to continue at the Bowen Pump Station on Friday evening with
minor flooding. Levels of around 3 metres are expected before receding
overnight.

Next Issue:
The next warning will be issued at about 10:30am Saturday.
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Latest River Heights:
Don R at Ida Ck *                2.07m falling 03:00 PM FRI 03/12/10
Don R at Ida Ck #                1.96m falling 03:50 PM FRI 03/12/10
Don R at Mt Dangar #             2.65m falling 03:44 PM FRI 03/12/10
Don R at Reeves *                3.1m rising   03:00 PM FRI 03/12/10
Don R at Reeves #                3.11m rising  03:03 PM FRI 03/12/10
Don R at Bowen Pump Stn #        2.7m rising   03:37 PM FRI 03/12/10
Bowen Wharf  tide *              1.03m rising  03:00 PM FRI 03/12/10
Euri Ck at Koonandah *           1.71m steady  03:00 PM FRI 03/12/10
Elliott R at Guthalungra *       2.21m falling 03:00 PM FRI 03/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 8:01 AM on Saturday the 4th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels peaked at Bowen Pump station overnight at 2.9 metres. River
levels are now easing throughout the Don River catchment.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
Don R at Ida Ck #                1.26m falling  05:18 AM SAT 04/12/10
Don R at Mt Dangar #             1.90m falling  06:41 AM SAT 04/12/10
Don R at Reeves #                1.76m steady   07:07 AM SAT 04/12/10
Don R at Bowen Pump Stn #        1.95m falling  07:35 AM SAT 04/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 11:59 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Rises are occurring along the Don River to Bowen with minor flood levels at
Reeves and Mt Dangar. Minor flood levels should be expected at Bowen of at least
3.5 metres with further rises possible as rainfall continues.

Next Issue:
The next warning will be issued by 3pm Sunday.

Latest River Heights:

Proserpine R at P Faust Dam HW * -0.42m rising 08:15 AM SUN 12/12/10
Proserpine R at P Faust Dam TW * 1.97m steady  06:00 AM SUN 12/12/10
Proserpine R at Proserpine *     0.55m steady  10:00 AM SUN 12/12/10
Gregory R at Lower Gregory*      1.13m rising  08:40 AM SUN 12/12/10
Andromache R at Jochheims*       2.26m rising  10:22 AM SUN 12/12/10
Laguna Quays tide *              2.52m rising  11:00 AM SUN 12/12/10
Shute Harbour tide *             1.83m rising  11:00 AM SUN 12/12/10
Don R at Ida Ck *                1.9m rising   10:40 AM SUN 12/12/10
Don R at Ida Ck #                2.46m steady  11:39 AM SUN 12/12/10
Don R at Mt Dangar #             2.6m rising   11:39 AM SUN 12/12/10
Don R at Reeves *                2.86m rising  10:40 AM SUN 12/12/10
Don R at Reeves #                3.31m rising  11:42 AM SUN 12/12/10
Don R at Bowen Pump Stn #        2.25m steady  11:05 AM SUN 12/12/10
Bowen Wharf  tide *              1.82m rising  11:00 AM SUN 12/12/10
Euri Ck at Koonandah *           4.02m falling 10:40 AM SUN 12/12/10
Elliott R at Guthalungra *       2.18m falling 10:21 AM SUN 12/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 2:47 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are continuing along the Don River to Bowen. Minor flood
peaks have been observed at Mt Dangar and Reeves. A peak at Bowen of around 4
metres is expected this evening. Rainfall has eased this afternoon.

Next Issue:
The next warning will be issued by 7:30pm Sunday.
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Latest River Heights:
Proserpine R at P Faust Dam HW * -0.42m rising 08:15 AM SUN 12/12/10
Proserpine R at P Faust Dam TW * 1.97m steady  06:00 AM SUN 12/12/10
Proserpine R at Proserpine *     0.57m steady  01:00 PM SUN 12/12/10
Gregory R at Lower Gregory*      1.13m rising  08:40 AM SUN 12/12/10
Andromache R at Jochheims*       3.4m rising   01:20 PM SUN 12/12/10
Laguna Quays tide *              3.44m rising  01:00 PM SUN 12/12/10
Shute Harbour tide *             2.52m rising  01:00 PM SUN 12/12/10
Don R at Ida Ck *                2.46m falling 01:40 PM SUN 12/12/10
Don R at Ida Ck #                2.31m falling 02:33 PM SUN 12/12/10
Don R at Mt Dangar #             2.85m falling 02:36 PM SUN 12/12/10
Don R at Reeves *                4.41m rising  01:40 PM SUN 12/12/10
Don R at Reeves #                4.41m falling 02:38 PM SUN 12/12/10
Don R at Bowen Pump Stn #        3.4m rising   02:32 PM SUN 12/12/10
Bowen Wharf  tide *              2.3m rising   01:00 PM SUN 12/12/10
Euri Ck at Koonandah *           4.84m rising  01:40 PM SUN 12/12/10
Elliott R at Guthalungra *       3.43m rising  01:40 PM SUN 12/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 7:03 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are continuing along the Don River to Bowen. Minor flood
peaks have been observed at Mt Dangar and Reeves. A peak has been observed at
Bowen. Minor flood levels at Bowen will gradually fall overnight.

Next Issue:
The next warning will be issued by 7:30am Monday.

Latest River Heights:
Proserpine R at P Faust Dam HW * -0.33m rising 03:35 PM SUN 12/12/10
Proserpine R at P Faust Dam TW * 1.97m steady  06:00 AM SUN 12/12/10
Proserpine R at Proserpine *     0.57m steady  05:00 PM SUN 12/12/10
Gregory R at Lower Gregory*      1.13m rising  08:40 AM SUN 12/12/10
Andromache R at Jochheims*       2.77m steady  05:00 PM SUN 12/12/10
Laguna Quays tide *              3.41m falling 06:00 PM SUN 12/12/10
Shute Harbour tide *             2.37m falling 06:00 PM SUN 12/12/10
Don R at Ida Ck *                1.8m falling  06:40 PM SUN 12/12/10
Don R at Ida Ck #                1.81m steady  06:44 PM SUN 12/12/10
Don R at Mt Dangar #             2.5m falling  05:48 PM SUN 12/12/10
Don R at Reeves *                3.09m falling 06:30 PM SUN 12/12/10
Don R at Reeves #                3.01m falling 06:45 PM SUN 12/12/10
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Don R at Bowen Pump Stn #        3.5m falling  06:49 PM SUN 12/12/10
Bowen Wharf  tide *              2.12m falling 06:00 PM SUN 12/12/10
Euri Ck at Koonandah *           5.4m falling  06:40 PM SUN 12/12/10
Elliott R at Guthalungra *       2.43m steady  06:43 PM SUN 12/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 5:30 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

A heavy rain band has cleared the coastline, leaving only isolated showers and
afternoon thunderstorms during Monday. River levels along the Don River have
continued to ease overnight and currently remain below minor flood levels.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
Proserpine R at P Faust Dam HW * -0.33m rising 03:35 PM SUN 12/12/10
Proserpine R at P Faust Dam TW * 1.97m steady  06:00 AM SUN 12/12/10
Proserpine R at Proserpine *     1.54m falling 04:00 AM MON 13/12/10
Gregory R at Lower Gregory*      1.24m falling 09:00 PM SUN 12/12/10
Andromache R at Jochheims*       2.24m falling 04:00 AM MON 13/12/10
Laguna Quays tide *              3.47m rising  04:00 AM MON 13/12/10
Shute Harbour tide *             2.31m steady  04:00 AM MON 13/12/10

Don R at Ida Ck #                1.46m falling 05:10 AM MON 13/12/10
Don R at Mt Dangar #             2.25m falling 05:00 AM MON 13/12/10
Don R at Reeves #                2.11m steady  04:07 AM MON 13/12/10
Don R at Bowen Pump Stn #        2.2m falling  04:51 AM MON 13/12/10
Bowen Wharf  tide *              2m rising     04:00 AM MON 13/12/10
Euri Ck at Koonandah *           2.63m falling 04:40 AM MON 13/12/10
Elliott R at Guthalungra *       1.46m falling 04:00 AM MON 13/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 5:14 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall totals of between 35-60mm have been recorded in the Don River catchment
during the past 24 hours. This rainfall has produced river level rises in the
Don River upstream of Bowen. Further rises are expected with minor flooding
likely in the Don River at the Bowen Pump Station during Monday morning. A
forecast for Bowen will be given once upstream peaks are observed.

The heaviest rainfalls that have been recorded since 9am Sunday include: Bowen
Pump Station 58mm, Roma Peak 48mm, Ida Creek 44mm and Moss Vale 35mm with falls
elsewhere generally less then 30mm.

Weather Forecast:
Cloudy with showers and some rain areas. Isolated thunderstorms, mostly to the
north of Mackay.

Next Issue:
The next warning will be issued at about 8am Monday.

Latest River Heights:
Don R at Ida Ck #               1.76m falling  04:46 AM MON 20/12/10
Don R at Mt Dangar #            2.20m steady   02:36 AM MON 20/12/10
Don R at Reeves #               2.66m falling  04:31 AM MON 20/12/10
Don R at Bowen Pump Stn #       2.00m rising   04:52 AM MON 20/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 7:59 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Overnight rainfall has produced river level rises in the Don River upstream of
Bowen. Further rises and minor flooding are expected in the Don River between
Reeves and the Bowen Pump Station during Monday morning. A peak to around 2.8
metres is forecast for Bowen Pump Station around midday Monday.

Weather Forecast:
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Cloudy with showers and some rain areas.

Next Issue:
The next warning will be issued at about 1pm Monday.

Latest River Heights:
Don R at Ida Ck #               1.71m rising  07:24 AM MON 20/12/10
Don R at Mt Dangar #            2.35m rising  07:15 AM MON 20/12/10
Don R at Reeves #               2.76m steady  07:07 AM MON 20/12/10
Don R at Bowen Pump Stn #       2.45m rising  06:30 AM MON 20/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 12:49 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels have peaked and are currently easing in the Don River at the
Bowen Pump Station during Monday morning. River levels are expected to continue
easing during Monday afternoon.

Weather Forecast:
Cloudy with showers and some rain areas.

Next Issue:
The next warning will be issued at about 5pm Monday.

Latest River Heights:
Don R at Ida Ck #               1.41m falling 12:07 PM MON 20/12/10
Don R at Mt Dangar #            2.3m falling  12:09 PM MON 20/12/10
Don R at Reeves #               2.31m falling 12:15 PM MON 20/12/10
Don R at Bowen Pump Stn #       2.55m steady  12:15 PM MON 20/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607
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IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 4:24 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are no longer occurring in the Bowen catchment.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:
Don R at Ida Ck *               1.28m falling 03:00 PM MON 20/12/10
Don R at Ida Ck #               1.31m steady  03:44 PM MON 20/12/10
Don R at Mt Dangar #            2.1m rising   02:36 PM MON 20/12/10
Don R at Reeves *               2.1m falling  03:00 PM MON 20/12/10
Don R at Reeves #               2.16m rising  04:13 PM MON 20/12/10
Don R at Bowen Pump Stn #       2.35m falling 03:27 PM MON 20/12/10
Bowen Wharf  tide *             1.17m rising  04:00 PM MON 20/12/10
Euri Ck at Koonandah *          2.47m falling 03:40 PM MON 20/12/10
Elliott R at Guthalungra *      1.79m falling 03:00 PM MON 20/12/10

*automatic station


Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 8:08 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall totals of between 30-50mm recorded overnight and during Friday morning
has resulted in fast rises and minor flooding along the Don River at Reeves.
Minor flood levels are rising fast at Bowen Pump Station, with river levels
expected to exceed 3 metres during this afternoon. Further rises are possible
with continued heavy rainfall during Friday.

At 7.15am Friday the river level at Bowen Pump Station was at 2.60 metres and
rising, which was about 0.2 metres below the level of the Inverdon Bridge.

Weather Forecast:
Heavy rain with local thunder.

Next Issue:
The next warning will be issued at about 11:30am Monday.
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Latest River Heights:
Proserpine R at P Faust Dam HW * 0.15m rising  06:44 AM FRI 24/12/10
Proserpine R at Proserpine *     0.61m steady  10:00 PM THU 23/12/10
Gregory R at Lower Gregory*      1.84m rising  09:00 PM THU 23/12/10
Andromache R at Jochheims*       1.95m steady  10:00 PM THU 23/12/10
Laguna Quays tide *              1.15m falling 07:00 AM FRI 24/12/10
Shute Harbour tide *             0.9m rising   07:00 AM FRI 24/12/10

Don R at Ida Ck *                2.1m falling  07:18 AM FRI 24/12/10
Don R at Ida Ck #                2.11m falling 07:11 AM FRI 24/12/10
Don R at Mt Dangar #             2.4m rising   07:46 AM FRI 24/12/10
Don R at Reeves *                3.12m rising  07:00 AM FRI 24/12/10
Don R at Reeves #                3.26m rising  07:36 AM FRI 24/12/10
Don R at Bowen Pump Stn #        2.65m rising  07:45 AM FRI 24/12/10
Bowen Wharf  tide *              1.21m rising  07:00 AM FRI 24/12/10
Euri Ck at Koonandah *           1.85m steady  07:45 AM FRI 24/12/10
Elliott R at Guthalungra *       1m steady     07:25 AM FRI 24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 10:12 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are continue to rise at Bowen Pump Station, with river levels
expected to exceed 3 metres during this afternoon. Further rises are possible
with continued heavy rainfall during Friday. Minor flood levels are easing at
Reeves.

At 9:30am Friday the river level at Bowen Pump Station was at 2.85 metres and
rising, which was about 0.1 metres above the level of the Inverdon Bridge.

Weather Forecast:
Heavy rain with local thunder.

Next Issue:
The next warning will be issued at about 3pm Friday.

Latest River Heights:
Proserpine R at P Faust Dam HW * 0.19m rising  09:17 AM FRI 24/12/10
Proserpine R at Proserpine *     2.54m falling 08:00 AM FRI 24/12/10
Gregory R at Lower Gregory*      1.89m steady  08:48 AM FRI 24/12/10
Andromache R at Jochheims*       2.9m rising   08:00 AM FRI 24/12/10
Laguna Quays tide *              2.82m rising  09:00 AM FRI 24/12/10
Shute Harbour tide *             2.12m rising  09:00 AM FRI 24/12/10
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Don R at Ida Ck *                2.02m steady  09:40 AM FRI 24/12/10
Don R at Ida Ck #                2.06m steady  09:43 AM FRI 24/12/10
Don R at Mt Dangar #             2.35m falling 08:45 AM FRI 24/12/10
Don R at Reeves *                3.29m steady  09:00 AM FRI 24/12/10
Don R at Reeves #                3.21m falling 09:45 AM FRI 24/12/10
Don R at Bowen Pump Stn #        2.9m rising   09:59 AM FRI 24/12/10
Bowen Wharf  tide *              2.29m rising  09:00 AM FRI 24/12/10
Euri Ck at Koonandah *           2.19m rising  09:37 AM FRI 24/12/10
Elliott R at Guthalungra *       1.11m rising  09:40 AM FRI 24/12/10

*automatic station


Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 11:52 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to slowly rise at Bowen Pump Station, with river levels
expected to exceed 3 metres during this afternoon. Further rises are possible
with continued heavy rainfall during Friday.

At 11am Friday the river level at Bowen Pump Station was at 3.0 metres and
steady, which was about 1.0 metres above the level of the Inverdon Bridge.

Weather Forecast:
Heavy rain with local thunder.

Next Issue:
The next warning will be issued at about 9am Saturday.

Latest River Heights:
Proserpine R at P Faust Dam HW * 0.19m rising  09:17 AM FRI 24/12/10
Proserpine R at Proserpine *     2.94m rising  10:30 AM FRI 24/12/10
Gregory R at Lower Gregory*      1.89m steady  08:48 AM FRI 24/12/10
Andromache R at Jochheims*       2.74m falling 10:16 AM FRI 24/12/10
Laguna Quays tide *              4.46m rising  11:00 AM FRI 24/12/10
Shute Harbour tide *             3.5m rising   11:00 AM FRI 24/12/10

Don R at Ida Ck *                2.01m steady  10:36 AM FRI 24/12/10
Don R at Mt Dangar #             2.4m steady   11:35 AM FRI 24/12/10
Don R at Reeves #                2.96m falling 11:31 AM FRI 24/12/10
Don R at Bowen Pump Stn #        3m steady     11:05 AM FRI 24/12/10
Bowen Wharf  tide *              3.24m rising  11:00 AM FRI 24/12/10
Euri Ck at Koonandah *           2.23m rising  10:16 AM FRI 24/12/10
Elliott R at Guthalungra *       1.28m rising  10:31 AM FRI 24/12/10
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*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 7:04 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are expected to generally remain at or below minor flood level
along the Don River, unless heavy rain continues. Minor flooding with some
renewed rises will continue around Bowen during Saturday. The situation will
continue to be monitored and warnings will re-commence if necessary.

Next Issue:
Warnings will re-commence if intense rainfall is forecast or recorded in the
Don catchment.

Latest River Heights:

Don R at Ida Ck #	1.91m	falling	05:42 AM SAT 25/12/10
Don R at Mt Dangar #	2.85m	rising	06:21 AM SAT 25/12/10
Don R at Reeves #	2.86m	rising	06:48 AM SAT 25/12/10
Don R at Bowen Pump Stn #	2.6m	falling	06:44 AM SAT 25/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 8:25 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall continues to fall across the Don River catchment during Sunday morning
with renewed river rises and minor flooding occurring at Mt Dangar and at
Reeves. Minor flood levels downstream on the Don River at Bowen Pump Station

will commence to rise again during the next few hours, with moderate flood levels possible later this morning. The situation is being monitored closely, and further heavy rainfall is forecast for the district.

At 8.16am Sunday the river level at Bowen Pump Station was at 3.0 metres with minor flooding, which is about 0.95 metres above the level of the Inverdon Bridge.

Weather Forecast:
Showers tending to rain at times. Some further moderate to heavy falls, especially during the morning.

Next Issue:
The next warning will be issued at about midday Sunday.

Latest River Heights:

Proserpine R at P Faust Dam HW *	0.72m	steady	06:00 AM SUN 26/12/10
Proserpine R at Proserpine *	3.13m	rising	07:00 AM SUN 26/12/10
Andromache R at Jochheims*	3.15m	falling	07:21 AM SUN 26/12/10
Laguna Quays tide *	2.01m	falling	07:00 AM SUN 26/12/10
Shute Harbour tide *	1.21m	falling	07:00 AM SUN 26/12/10
Don R at Ida Ck *	2.11m	steady	08:00 AM SUN 26/12/10
Don R at Reeves *	3.24m	rising	08:00 AM SUN 26/12/10
Don R at Reeves #	3.31m	rising	08:14 AM SUN 26/12/10
Don R at Bowen Pump Stn #	3.0m	rising	08:16 AM SUN 26/12/10
Bowen Wharf tide *	1.33m	rising	07:00 AM SUN 26/12/10
Euri Ck at Koonandah *	4.28m	falling	08:00 AM SUN 26/12/10
Elliott R at Guthalungra *	2.46m	rising	08:00 AM SUN 26/12/10

*,# denotes automatic station.

Latest Rainfall:
Rainfall totals of 20-40mm have been recorded across the upper Don River catchment during the previous 3 hours to 8am Sunday.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 11:58 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue to rise on the Don River between Ida Creek and Bowen Pump Station. River level rises above the moderate flood level of 4 metres are expected at Bowen Pump Station during Sunday afternoon.

Rainfalls of less then 5mm have been recorded in the Don River catchment since 9am Sunday. The situation is being monitored closely, with further heavy

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rainfall forecast for the district.

At 11:47am Sunday the river level at Bowen Pump Station was at 3.4 metres and
rising with minor flooding, which is about 1.4 metres above the level of the
Inverdon Bridge.

Weather Forecast:
Showers tending to rain at times. Some further moderate to heavy falls,
especially during the morning.

Next Issue:
The next warning will be issued at about 5pm Sunday.

Latest River Heights:
Don R at Ida Ck #                3.01m rising  11:52 AM SUN 26/12/10
Don R at Mt Dangar #             3.75m rising  11:48 AM SUN 26/12/10
Don R at Reeves #                4.01m rising  11:38 AM SUN 26/12/10
Don R at Bowen Pump Stn #        3.40m rising  11:47 AM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 5:00 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels have peaked on the Don River between Ida Creek and Reeves
with further small rises to around the moderate flood level of 4 metres possible
at Bowen Pump Station overnight Sunday.

Rainfalls of less then 5mm have been recorded in the Don River catchment since
9am Sunday. The situation is being monitored closely, with further showers and
thunderstorms forecast for the region but heavy falls are no longer expected.


At 4:06pm Sunday the river level at Bowen Pump Station was at 3.7 metres and
steady with minor flooding, which is about 1.7 metres above the level of the
Inverdon Bridge.

Weather Forecast:
Showers and thunderstorms.

Next Issue:
The next warning will be issued at about 8am Monday.

Latest River Heights:
Don R at Ida Ck #              2.31m falling 04:04 PM SUN 26/12/10
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Don R at Mt Dangar #           3.65m falling 03:48 PM SUN 26/12/10
Don R at Reeves #              3.86m steady  04:06 PM SUN 26/12/10
Don R at Bowen Pump Stn #      3.70m steady  04:06 PM SUN 26/12/10

# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 7:34 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Small renewed rises are being recorded in the upper Don River catchment between
Ida Creek and Reeves. Renewed rises will occur at the Bowen Pump Station during
Monday with a return to minor flood levels expected.

At 5:12am Monday the river level at Bowen Pump Station was steady at 2.4 metres,
which is about 0.4 metres above the level of the Inverdon Bridge.

Weather Forecast:
Showers and thunderstorms.

Next Issue:
The next warning will be issued at about 3pm Monday.

Latest River Heights:
Don R at Ida Ck #              1.96m steady   06:43 AM MON 27/12/10
Don R at Mt Dangar #           2.70m rising   06:27 AM MON 27/12/10
Don R at Reeves #              2.51m rising   07:11 AM MON 27/12/10
Don R at Bowen Pump Stn #      2.40m steady   05:12 AM MON 27/12/10

# from automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland
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FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 3:16 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is extending along the Don River between Mt Dangar and Bowen Pump Station. Further small rises to above 3 metres are expected at Bowen Pump Station overnight tonight with river levels to begin receding during Tuesday.

Weather Forecast:
Showers and thunderstorms.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Don R at Ida Ck #	2.36m rising	02:03 PM MON 27/12/10
Don R at Mt Dangar #	3.2m rising	02:32 PM MON 27/12/10
Don R at Reeves #	3.06m falling	02:25 PM MON 27/12/10
Don R at Bowen Pump Stn #	2.8m rising	02:28 PM MON 27/12/10

from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 9:53 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall over the upper parts of the Don River in the past 12 hours have caused renewed rises with minor flooding developing between Mt Dangar and Bowen Pump Station.

Expect further rises overnight and moderate flooding to develop between Mt Dangar and Bowen Pump Station during Tuesday morning.

Weather Forecast:
Showers increasing to rain areas and local thunder during the morning.

Next Issue:
The next warning will be issued about 7am Tuesday.

Latest River Heights:

Don R at Ida Ck #	2.16m rising	09:22 PM MON 27/12/10
Don R at Mt Dangar #	3.05m falling	09:30 PM MON 27/12/10
Don R at Reeves #	2.96m falling	09:30 PM MON 27/12/10
Don R at Bowen Pump Stn #	2.95m falling	08:48 PM MON 27/12/10

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# denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 6:06 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

The rainfall has eased across the Don River catchment with river levels also
easing during Tuesday morning. Minor flooding continues to fall between Reeves
and Bowen Pump Station, where river levels are expected to remain above the
level of the Inverdon Bridge until Wednesday.

Weather Forecast:
Rain areas and isolated thunderstorms. Some moderate to locally heavy falls
likely.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
Don R at Ida Ck #                2.16m falling 05:29 AM TUE 28/12/10
Don R at Mt Dangar #             3.3m steady   05:35 AM TUE 28/12/10
Don R at Reeves #                3.31m falling 05:43 AM TUE 28/12/10
Don R at Bowen Pump Stn #        3.65m falling 05:53 AM TUE 28/12/10
Bowen Wharf  tide *              2.38m steady  05:00 AM TUE 28/12/10

Proserpine R at Proserpine *     2.99m rising  04:00 AM TUE 28/12/10
Andromache R at Jochheims*       3.51m falling 04:20 AM TUE 28/12/10
Laguna Quays tide *              4.38m rising  05:00 AM TUE 28/12/10
Shute Harbour tide *             2.9m steady   05:00 AM TUE 28/12/10
Euri Ck at Koonandah *           2.85m rising  04:40 AM TUE 28/12/10
Elliott R at Guthalungra *       1.85m rising  04:00 AM TUE 28/12/10

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607
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IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 7:55 PM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Isolated heavy rainfall recorded across the Don River catchment during this afternoon and evening has resulted in very fast rises and minor flooding at Reeves. River rises and minor, possibly moderate, flooding can be expected downstream at Bowen Pump Station within the next few hours.

The heaviest rainfall recorded during the previous 6 hours to 7:30pm Monday include Ida Creek 70mm, Emu Creek 41mm, Roma Peak 38mm, and Reeves 19mm. Very heavy rainfall rates of 9mm in 10 minutes were recorded at Reeves at about 7:30pm.

At 7:46pm Monday, the river level at Reeves was at 4.31 metres and continuing to rise fast with minor flooding. River level rises can be expected downstream at Bowen Pump Station within the next few hours, causing minor flooding, with higher levels possible.

Weather Forecast:
Scattered showers and isolated thunderstorms this afternoon and overnight.

Next Issue:
The next warning will be issued at about 10pm Monday.

Latest River Heights:

Don R at Ida Ck #	2.36m	falling	07:43 PM MON 03/01/11
Don R at Mt Dangar #	2.5m	falling	07:50 PM MON 03/01/11
Don R at Reeves #	4.31m	rising	07:46 PM MON 03/01/11
Don R at Bowen Pump Stn #	1.8m	steady	05:05 PM MON 03/01/11
Bowen Wharf tide *	1.95m	rising	07:00 PM MON 03/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 10:33 PM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall has eased during this evening. Minor flooding continues to rise in the Don River at Bowen Pump Station, where further rises and a minor flood peak

are expected to occur within the next few hours.

Minor flooding has already peaked in the Don River at Reeves, and is currently falling. At 10:22pm Monday, the river level at Reeves was at 3.46 metres and easing with minor flooding. Minor flooding continues to rise downstream at Bowen Pump Station. At 10:18pm the river level at Bowen Pump Station was 3.6 metres, which is about 1.6 metres above the level of the Inverdon Bridge.

Weather Forecast:
Scattered showers and isolated thunderstorms this afternoon and overnight.

Next Issue:
The next warning will be issued at about midnight Monday.

Latest River Heights:

Don R at Ida Ck #	1.96m falling	10:01 PM MON 03/01/11
Don R at Mt Dangar #	2.2m falling	09:55 PM MON 03/01/11
Don R at Reeves #	3.46m falling	10:22 PM MON 03/01/11
Don R at Bowen Pump Stn #	3.6m rising	10:18 PM MON 03/01/11
Bowen Wharf tide *	2.51m rising	09:00 PM MON 03/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 12:07 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Don River at Reeves. Downstream at Bowen Pump Station, a minor flood peak to 3.65 metres was recorded at 11pm Monday. The heavy rainfall has cleared the Don River catchment, and river levels along the lower Don River are expected to continue to fall during Tuesday morning.

At midnight Monday, the river level at Bowen Pump Station was 3.45 metres and falling with minor flooding, which is about 1.45 metres above the level of the Inverdon Bridge.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Don R at Ida Ck #	1.86m falling	11:15 PM MON 03/01/11
Don R at Mt Dangar #	2.1m falling	11:31 PM MON 03/01/11
Don R at Reeves #	3.11m falling	11:36 PM MON 03/01/11
Don R at Bowen Pump Stn #	3.5m falling	11:39 PM MON 03/01/11
Bowen Wharf tide *	2.1m falling	11:00 PM MON 03/01/11

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*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 11:03 PM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of up to 81mm since 9am had led to fast rises in the Don River at Ida
Creek ALert with minor flood levels. Rises will continue overnight downstream to
Bowen with minor flooding. A flood level of between 3 to 3.5 metres is expected
at Bowen by around 7am Wednesday. Higher levels are possible although they are
dependent on further rainfall.

Next Issue:
The next warning will be issued by 8am Wednesday.

Latest River Heights:

Don R at Ida Ck *               1.78m rising  09:00 PM TUE 18/01/11
Don R at Ida Ck #               2.21m rising  10:28 PM TUE 18/01/11
Don R at Mt Dangar #            1.9m rising   10:28 PM TUE 18/01/11
Don R at Reeves #               1.76m steady  10:05 PM TUE 18/01/11
Don R at Bowen Pump Stn #       1.55m rising  08:18 PM TUE 18/01/11

*# automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 8:09 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.
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Further rainfall has continued overnight with upto 50mm recorded at Bowen since 2am. River level rises have continued with a minor flood peak currently approaching the Reeves area. At 8am, river levels at Bowen were 3.05 metres and falling but are expected to rise again with a second flood peak of up to 3.5 metres this morning. Any higher levels are dependent on further rainfall.

Next Issue:
The next warning will be issued by noon Wednesday.

Latest River Heights:
Don R at Ida Ck #   2.21m falling 07:11 AM WED 19/01/11
Don R at Mt Dangar #   2.5m falling 07:44 AM WED 19/01/11
Don R at Reeves #   3.61m rising 07:29 AM WED 19/01/11
Don R at Bowen Pump Stn #   3.05m falling 08:05 AM WED 19/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 11:56 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Flood levels have peaked at Bowen Pump Station this morning at 3.3 metres with minor flooding. River levels will continue to ease throughout the catchment during Wednesday.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:
Don R at Ida Ck #   1.86m falling 11:38 AM WED 19/01/11
Don R at Mt Dangar #   2.45m rising 11:34 AM WED 19/01/11
Don R at Reeves #   2.91m falling 11:43 AM WED 19/01/11
Don R at Bowen Pump Stn #   3.15m falling 11:10 AM WED 19/01/11

automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM607

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IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 11:30 PM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall during Wednesday evening has produced fast rises at Reeves with minor
flooding. Flood levels at Bowen are expected to peak just below moderate flood
level of 4 metres overnight.

Next Issue:
The next warning will be issued by 9:30am Thursday.

Latest River Heights:
Don R at Ida Ck #               1.81m falling 11:12 PM WED 19/01/11
Don R at Mt Dangar #            2.55m falling 11:04 PM WED 19/01/11
Don R at Reeves *               4.19m falling 10:30 PM WED 19/01/11
Don R at Bowen Pump Stn #       3.7m steady   11:05 PM WED 19/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 7:35 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels in the Don catchment are now below minor.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:
Don R at Ida Ck #               1.46m falling 06:42 AM THU 20/01/11
Don R at Mt Dangar #            2.4m falling  03:24 AM THU 20/01/11
Don R at Reeves #               2.26m falling 07:14 AM THU 20/01/11
Don R at Bowen Pump Stn #       2.45m falling 06:59 AM THU 20/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 4:33 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall overnight has caused fast stream rises and minor
flooding in the Don River between Ida Creek and Reeves.

Minor flooding to at least 3 metres is expected to develop downstream at Bowen
Pump Station during the morning.

The heaviest rainfall in the 12 hours to 4am Monday include Ida Creek 68mm, Roma
Peak Alert 61mm and Reeves Alert 45mm.


Weather Forecast:
Scattered showers with isolated thunderstorms and squally rain areas.

Next Issue:
The next warning will be issued at 8am Monday.

Latest River Heights:
Don R at Ida Ck #               2.36m rising  04:11 AM MON 31/01/11
Don R at Reeves *               3.76m rising  03:30 AM MON 31/01/11
Don R at Bowen Pump Stn #       1.75m rising  04:13 AM MON 31/01/11


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DON RIVER
Issued at 8:02 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has now eased over the catchment with falls below 15mm in the past
three hours.

Minor flooding is now easing between Mt Dangar and Bowen Pump Station and
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expected to fall below minor during Monday morning.



Weather Forecast:
Isolated showers tending scattered.

Next Issue:
The next warning will be issued at 11am Monday.

Latest River Heights:
Don R at Ida Ck #                2.06m falling 07:43 AM MON 31/01/11
Don R at Mt Dangar #             2.5m falling  04:49 AM MON 31/01/11
Don R at Reeves #                3.21m falling 07:32 AM MON 31/01/11
Don R at Bowen Pump Stn #        3.2m falling  07:44 AM MON 31/01/11

# automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM607

IDQ20750

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE DON RIVER
Issued at 9:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding is now easing between Reeves and Bowen Pump Station and is
expected to fall below minor during Monday morning.



Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:
Don R at Ida Ck *                2.03m falling 08:08 AM MON 31/01/11
Don R at Ida Ck #                2.01m falling 08:55 AM MON 31/01/11
Don R at Mt Dangar #             2.45m falling 08:31 AM MON 31/01/11
Don R at Reeves *                3.41m falling 06:10 AM MON 31/01/11
Don R at Reeves #                3.21m falling 07:32 AM MON 31/01/11
Don R at Bowen Pump Stn #        3.1m falling  09:06 AM MON 31/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/hydro/flood/qld . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(11)"

FLDWARN for the Pioneer River

1 December 2010 to 31 January 2011

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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 11:55 PM on Thursday the 2nd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall this evening has led to fast rises along Cattle Creek and the
Pioneer River. Minor flood levels are occurring at Finch Hatton and are forecast
at Mirani Weir. Minor flood levels are possible at Hospital Bridge early
tomorrow. At this stage, river levels at Forgan Bridge are expected to remain
below minor. Further rainfall is forecast overnight and higher levels are
possible as rainfall continues.

Next Issue:
The next warning will be issued by 7:30am on Friday.

Latest River Heights:
Teemburra Ck at Teemburra Dam HW * 0.49m rising  09:05 PM THU 02/12/10
Teemburra Ck at Teemburra Dam #    0.84m rising  11:32 PM THU 02/12/10
Blacks Ck at Whiteford's *         3.48m steady  10:25 PM THU 02/12/10
Blacks Ck at Whiteford's #         3.54m rising  11:34 PM THU 02/12/10
Pioneer R at Sarich's *            4.23m rising  08:50 PM THU 02/12/10
Pioneer R at Sarich's #            4.99m rising  11:41 PM THU 02/12/10
Finch Hatton Ck at Dam Site *      2.56m rising  08:50 PM THU 02/12/10
Cattle Ck at Finch Hatton #        3.3m falling  11:28 PM THU 02/12/10
Cattle Ck at Finch Hatton *        3.25m falling 11:30 PM THU 02/12/10
Cattle Ck at Frank Neilsen Br *    4.7m rising   10:20 PM THU 02/12/10
Cattle Ck d/s Frank Neilsen Br #   6.4m rising   11:41 PM THU 02/12/10
Pioneer R at Mirani Weir HW *      47.05m rising 09:10 PM THU 02/12/10
Pioneer R at Mirani Weir TW *      4.75m rising  10:25 PM THU 02/12/10
Pioneer R at Mirani Weir TW #      6.16m rising  11:42 PM THU 02/12/10
Pioneer R at Dumbleton Rocks *     16.01m rising 11:40 PM THU 02/12/10
Pioneer R at Dumbleton Rocks #     16.1m rising  11:39 PM THU 02/12/10
Pioneer R at Dumbleton Weir T/W *  10.07m rising 11:40 PM THU 02/12/10
Pioneer R at Hospital Br #         4.82m falling 11:12 PM THU 02/12/10
Pioneer R at Mackay #              3.5m falling  11:40 PM THU 02/12/10
Goosepond Ck at Gooseponds #       5.37m rising  11:29 PM THU 02/12/10
Outer Harbour tide*                3.28m falling 11:00 PM THU 02/12/10
Outer Harbour tide#                2.51m falling 11:43 PM THU 02/12/10
Dalrymple Bay tide *               3.76m falling 10:50 PM THU 02/12/10

*automatic station


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public and satellite phones.
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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 5:32 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels have been observed overnight at Mirani Weir. Minor flood levels are occurring at Hospital Bridge. Pioneer River levels at Forgan Bridge may reach the minor flood level of 7 metres with the high tide this morning around 9am before receding.

Next Issue:
The next warning will be issued by 9am on Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.81m	rising	02:15 AM FRI 03/12/10
Teemburra Ck at Teemburra Dam #	0.94m	rising	01:10 AM FRI 03/12/10
Blacks Ck at Whiteford's *	6.31m	falling	04:30 AM FRI 03/12/10
Blacks Ck at Whiteford's #	5.99m	falling	05:22 AM FRI 03/12/10
Pioneer R at Sarich's *	9.18m	falling	04:30 AM FRI 03/12/10
Pioneer R at Sarich's #	9.04m	falling	05:21 AM FRI 03/12/10
Finch Hatton Ck at Dam Site *	2.27m	falling	04:00 AM FRI 03/12/10
Cattle Ck at Finch Hatton #	2.55m	falling	05:00 AM FRI 03/12/10
Cattle Ck at Finch Hatton *	2.55m	falling	04:40 AM FRI 03/12/10
Cattle Ck at Frank Neilsen Br *	4.42m	falling	04:40 AM FRI 03/12/10
Cattle Ck d/s Frank Neilsen Br #	4.3m	falling	05:21 AM FRI 03/12/10
Pioneer R at Mirani Weir HW *	50.05m	falling	04:40 AM FRI 03/12/10
Pioneer R at Mirani Weir TW *	9.4m	rising	04:30 AM FRI 03/12/10
Pioneer R at Mirani Weir TW #	9.16m	falling	05:18 AM FRI 03/12/10
Pioneer R at Dumbleton Rocks *	18.23m	rising	04:40 AM FRI 03/12/10
Pioneer R at Dumbleton Rocks #	18.55m	rising	05:11 AM FRI 03/12/10
Pioneer R at Dumbleton Weir T/W *	13.12m	rising	04:40 AM FRI 03/12/10
Pioneer R at Hospital Br #	7.27m	falling	05:21 AM FRI 03/12/10
Pioneer R at Mackay #	4.95m	rising	05:21 AM FRI 03/12/10
Goosepond Ck at Gooseponds #	5.17m	falling	05:17 AM FRI 03/12/10
Outer Harbour tide*	1.24m	rising	04:00 AM FRI 03/12/10
Outer Harbour tide#	2.71m	rising	05:21 AM FRI 03/12/10
Dalrymple Bay tide *	1.32m	rising	03:50 AM FRI 03/12/10
Sandy Ck at Homebush*	6.69m	steady	04:23 AM FRI 03/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER
Issued at 9:18 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are continuing at Hospital Bridge. Pioneer River levels at Forgan Bridge are expected to peak below minor flood level at around 6.4 metres.

Next Issue:
This is the final warning. The situation will continue to be monitored and warnings issued if required.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.8m falling	07:45 AM FRI 03/12/10
Teemburra Ck at Teemburra Dam #	0.94m steady	09:06 AM FRI 03/12/10
Blacks Ck at Whiteford's *	4.88m falling	07:30 AM FRI 03/12/10
Blacks Ck at Whiteford's #	4.49m falling	08:30 AM FRI 03/12/10
Pioneer R at Sarich's *	6.9m falling	08:40 AM FRI 03/12/10
Pioneer R at Sarich's #	6.59m falling	09:01 AM FRI 03/12/10
Finch Hatton Ck at Dam Site *	2.11m falling	08:00 AM FRI 03/12/10
Cattle Ck at Finch Hatton #	2.4m rising	08:48 AM FRI 03/12/10
Cattle Ck at Finch Hatton *	2.32m falling	08:20 AM FRI 03/12/10
Cattle Ck at Frank Neilsen Br *	3.45m falling	07:30 AM FRI 03/12/10
Cattle Ck d/s Frank Neilsen Br #	3.6m falling	08:59 AM FRI 03/12/10
Pioneer R at Mirani Weir HW *	48.69m falling	08:45 AM FRI 03/12/10
Pioneer R at Mirani Weir TW *	7.2m falling	08:40 AM FRI 03/12/10
Pioneer R at Mirani Weir TW #	6.91m falling	09:04 AM FRI 03/12/10
Pioneer R at Dumbleton Rocks *	18.21m falling	08:20 AM FRI 03/12/10
Pioneer R at Dumbleton Rocks #	18.3m falling	08:50 AM FRI 03/12/10
Pioneer R at Dumbleton Weir T/W *	13.05m falling	08:20 AM FRI 03/12/10
Pioneer R at Hospital Br #	7.87m rising	09:05 AM FRI 03/12/10
Pioneer R at Mackay #	6.25m rising	08:55 AM FRI 03/12/10
Goosepond Ck at Gooseponds #	5.47m rising	08:35 AM FRI 03/12/10
Outer Harbour tide*	5.56m rising	08:00 AM FRI 03/12/10
Outer Harbour tide#	5.81m rising	08:53 AM FRI 03/12/10
Dalrymple Bay tide *	5.89m rising	07:50 AM FRI 03/12/10
Sandy Ck at Homebush*	8.02m rising	07:27 AM FRI 03/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 12:07 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall this evening has resulted in fast rising river levels in the Pioneer catchment and major flood levels at Finch Hatton. Heavy rainfall is forecast to continue overnight. At this stage, minor flood levels are predicted in the Mirani area and at Hospital Bridge. Levels of above 6 metres are likely at Forgan Bridge with the high tide on Friday. Higher levels are likely as rainfall continues.

Next Issue:
The next warning will be issued by 8am Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.13m	steady	06:00 PM THU 23/12/10
Teemburra Ck at Teemburra Dam #	0.24m	steady	09:05 PM THU 23/12/10
Blacks Ck at Whiteford's *	1.5m	steady	10:00 PM THU 23/12/10
Blacks Ck at Whiteford's #	1.49m	steady	11:08 PM THU 23/12/10
Pioneer R at Sarich's *	2.03m	steady	08:00 PM THU 23/12/10
Pioneer R at Sarich's #	2.04m	steady	08:45 PM THU 23/12/10
Finch Hatton Ck at Dam Site *	3.33m	falling	09:00 PM THU 23/12/10
Cattle Ck at Finch Hatton #	4.65m	rising	11:33 PM THU 23/12/10
Cattle Ck at Finch Hatton *	3.29m	rising	08:40 PM THU 23/12/10
Cattle Ck at Frank Neilsen Br *	4.4m	rising	10:10 PM THU 23/12/10
Cattle Ck d/s Frank Neilsen Br #	5.05m	rising	11:32 PM THU 23/12/10
Pioneer R at Mirani Weir HW *	46.18m	rising	09:10 PM THU 23/12/10
Pioneer R at Mirani Weir TW *	3.23m	steady	10:21 PM THU 23/12/10
Pioneer R at Mirani Weir TW #	3.96m	rising	11:29 PM THU 23/12/10
Pioneer R at Dumbleton Rocks *	14.97m	steady	08:30 PM THU 23/12/10
Pioneer R at Dumbleton Rocks #	14.9m	rising	11:36 PM THU 23/12/10
Pioneer R at Dumbleton Weir T/W *	8.01m	falling	08:30 PM THU 23/12/10
Pioneer R at Hospital Br #	4.67m	rising	11:34 PM THU 23/12/10
Pioneer R at Mackay #	4.6m	rising	11:36 PM THU 23/12/10
Goosepond Ck at Gooseponds #	4.77m	rising	11:09 PM THU 23/12/10
Outer Harbour tide*	4.17m	falling	11:00 PM THU 23/12/10
Outer Harbour tide#	4.51m	rising	11:37 PM THU 23/12/10
Dalrymple Bay tide *	4.68m	rising	11:00 PM THU 23/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 5:32 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall overnight have caused minor flooding in Cattle Creek and in the Pioneer River at Mirani Weir. Minor flooding is expected to develop downstream to Dumbleton Rocks, with some minor flooding to occur in the Mackay area with the high tide at about 1pm today.

The heaviest rainfall totals recorded since 9am Thursday include Clarke Range 335mm, Eungella 229mm, Finch Hatton 135mm, with 50-100mm elsewhere across the upper Pioneer catchment and less than 50mm in the Mackay area.

Minor flooding is easing at Finch Hatton and at the Frank Neilsen Bridge on Cattle Creek, with rises and minor flooding occurring in the Pioneer River at Mirani Weir. Minor flooding is expected to develop further downstream along the Pioneer River at Dumbleton Rocks, with minor flooding to occur with the high tide at Hospital Bridge.

River levels at Mackay are expected to reach near the minor flood level of 7 metres during the high tide which is expected at around 1pm today.

River rises on the Pioneer River at Sarichs are expected to remain below minor flood levels during Friday.

Weather Forecast:
Heavy rain with local thunder.

Next Issue:
The next warning will be issued by 9am Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.39m	rising	03:25 AM	FRI 24/12/10
Blacks Ck at Whiteford's #	2.69m	falling	04:14 AM	FRI 24/12/10
Pioneer R at Sarich's #	5.19m	falling	05:00 AM	FRI 24/12/10
Cattle Ck at Finch Hatton #	3.35m	falling	04:43 AM	FRI 24/12/10
Cattle Ck d/s Frank Neilsen Br #	6.4m	falling	05:01 AM	FRI 24/12/10
Pioneer R at Mirani Weir HW *	48.36m	rising	02:55 AM	FRI 24/12/10
Pioneer R at Mirani Weir TW #	7.56m	falling	04:59 AM	FRI 24/12/10
Pioneer R at Dumbleton Rocks #	16.75m	rising	05:00 AM	FRI 24/12/10
Pioneer R at Hospital Br #	5.02m	rising	05:02 AM	FRI 24/12/10
Pioneer R at Mackay #	3.05m	falling	04:38 AM	FRI 24/12/10
Goosepond Ck at Gooseponds #	5.17m	falling	04:41 AM	FRI 24/12/10
Outer Harbour tide#	1.56m	falling	05:00 AM	FRI 24/12/10
Dalrymple Bay tide *	2.72m	falling	04:00 AM	FRI 24/12/10
Sandy Ck at Homebush*	1.27m	rising	10:00 PM	THU 23/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 8:45 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Creek levels have continued to ease below minor along Cattle Creek during Friday morning, with minor flooding also easing in the Pioneer River at Mirani Weir and further downstream at Dumbleton Rocks. Minor flooding is expected to occur at Hospital Bridge in the Mackay area with the high tide at about 1pm today.

Minor flooding is expected to occur with the high tide at Hospital Bridge. At 8.30am Friday the river level at Hospital Bridge was at 6.27 metres and rising, which is about 0.35 metres below the level of the old bridge.

River levels at Mackay are expected to reach near the minor flood level of 7 metres during the high tide which is expected at around 1pm today.

Weather Forecast:
Heavy rain with local thunder.

Next Issue:
The next warning will be issued by 1pm Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.3m rising	06:50 AM FRI 24/12/10
Teemburra Ck at Teemburra Dam #	0.44m rising	06:27 AM FRI 24/12/10
Blacks Ck at Whiteford's #	3.54m steady	08:08 AM FRI 24/12/10
Pioneer R at Sarich's #	4.74m rising	08:20 AM FRI 24/12/10
Finch Hatton Ck at Dam Site *	2.5m falling	05:10 AM FRI 24/12/10
Cattle Ck at Finch Hatton #	2.8m rising	08:30 AM FRI 24/12/10
Cattle Ck d/s Frank Neilsen Br #	4.4m falling	08:31 AM FRI 24/12/10
Pioneer R at Mirani Weir HW *	48.45m falling	07:10 AM FRI 24/12/10
Pioneer R at Mirani Weir TW #	5.96m rising	08:32 AM FRI 24/12/10
Pioneer R at Mirani	NA	
Pioneer R at Dumbleton Rocks *	17.25m falling	08:10 AM FRI 24/12/10
Pioneer R at Dumbleton Weir T/W *	11.97m rising	08:10 AM FRI 24/12/10
Pioneer R at Hospital Br #	6.27m rising	08:27 AM FRI 24/12/10
Pioneer R at Mackay #	4.2m rising	08:21 AM FRI 24/12/10
Goosepond Ck at Gooseponds #	4.97m falling	08:02 AM FRI 24/12/10
Outer Harbour tide*	1.82m rising	08:00 AM FRI 24/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	1.9m rising	07:50 AM FRI 24/12/10
Sandy Ck at Homebush*	1.39m rising	11:20 PM THU 23/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 12:27 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Further rainfall during Friday morning has resulted in renewed rises and minor flooding in Cattle Creek at Finch Hatton, with rises also occurring at Gargett with minor flood levels possible during Friday afternoon. Renewed rises along the Pioneer River between Mirani Weir and Dumbleton Rocks should remain below minor. River levels are rising in the Mackay area with the high tide at about 1pm today, with some minor flooding possible at Hospital Bridge.

Rainfall continues across the upper Pioneer catchment during Friday, with a further 30-50mm recorded since 9am Friday. Minor flooding is rising again at Finch Hatton in Cattle Creek, with small rises expected to extend downstream into the Pioneer River at Mirani Weir where river levels are not expected to reach minor flood levels.

River levels are rising in the Pioneer River at Hospital Bridge, where at 11.45am Friday the river level was at 6.22 metres and rising with the high tide with minor flooding possible.

River levels at Mackay are similarly rising with the approaching high tide, however river levels are not expected to reach the minor flood level of 7 metres during today.

Weather Forecast:
Heavy rain with local thunder.

Next Issue:
The next warning will be issued by 9am Saturday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.35m steady	11:45 AM FRI 24/12/10
Teemburra Ck at Teemburra Dam #	0.44m steady	12:05 PM FRI 24/12/10
Blacks Ck at Whiteford's #	3.44m falling	11:19 AM FRI 24/12/10
Pioneer R at Sarich's #	4.84m rising	12:20 PM FRI 24/12/10
Finch Hatton Ck at Dam Site *	3.27m falling	12:00 PM FRI 24/12/10
Cattle Ck at Finch Hatton #	3.8m falling	12:22 PM FRI 24/12/10
Cattle Ck d/s Frank Neilsen Br #	4.95m rising	12:18 PM FRI 24/12/10
Pioneer R at Mirani Weir HW *	47.57m falling	11:30 AM FRI 24/12/10
Pioneer R at Mirani Weir TW #	5.11m rising	12:23 PM FRI 24/12/10
Pioneer R at Mirani	NA	
Pioneer R at Dumbleton Rocks #	16.6m falling	12:14 PM FRI 24/12/10
Pioneer R at Dumbleton Weir T/W *	11.27m falling	11:40 AM FRI 24/12/10
Pioneer R at Hospital Br #	6.42m rising	12:20 PM FRI 24/12/10
Pioneer R at Mackay #	6.1m rising	12:18 PM FRI 24/12/10
Goosepond Ck at Gooseponds #	5.02m rising	12:23 PM FRI 24/12/10
Outer Harbour tide*	5.89m rising	12:00 PM FRI 24/12/10
Outer Harbour tide#	5.96m rising	12:15 PM FRI 24/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	6.36m rising	12:00 PM FRI 24/12/10
Sandy Ck at Homebush*	3.78m falling	11:11 AM FRI 24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER
Issued at 6:53 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are expected to generally remain at or below minor flood level,
unless intense rain re-commences in the area. Minor flooding with some renewed
rises will continue in Cattle Creek around Finch Hatton during Saturday. The
lower Pioneer River around Mackay is expected to remain below minor flood level,
but will continue to be monitored. Warnings will re-commence if necessary.

Next Issue:
Warnings will re-commence if intense rainfall is forecast or recorded in the
Pioneer catchment.

Latest River Heights:

Cattle Ck at Finch Hatton #	3.6m rising	06:32 AM SAT 25/12/10
Pioneer R at Mirani Weir TW #	5.66m rising	06:40 AM SAT 25/12/10
Pioneer R at Dumbleton Rocks #	16.55m rising	05:55 AM SAT 25/12/10
Pioneer R at Hospital Br #	5.62m rising	06:40 AM SAT 25/12/10
Pioneer R at Mackay #	3.65m falling	06:01 AM SAT 25/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 2:21 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Further rainfall totals of 60-100mm have been recorded during Saturday morning
and afternoon which has resulted in renewed rises and moderate flood levels
rising in Cattle Creek at Finch Hatton, with rises and minor flooding expected

downstream to Mirani Weir. River rises are also occurring in Blacks Creek at Whitefords and in the upper Pioneer River at Sarich's, where minor flooding is expected. Higher river levels are possible with further heavy rainfall during Saturday afternoon.

River levels downstream from Mirani Weir through to Mackay are not expected to reach minor flood levels, however the situation will continue to be closely monitored.

Weather Forecast:
Heavy rain areas with local thunder.

Next Issue:
The next warning will be issued at about 5pm Saturday.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.84m	rising	02:05 PM SAT 25/12/10
Blacks Ck at Whiteford's #	4.09m	steady	02:08 PM SAT 25/12/10
Pioneer R at Sarich's #	5.69m	rising	02:05 PM SAT 25/12/10
Finch Hatton Ck at Dam Site *	2.38m	steady	08:00 AM SAT 25/12/10
Cattle Ck at Finch Hatton #	3.95m	rising	02:06 PM SAT 25/12/10
Cattle Ck d/s Frank Neilsen Br #	5.6m	rising	02:07 PM SAT 25/12/10
Pioneer R at Mirani Weir HW *	48.08m	rising	01:10 PM SAT 25/12/10
Pioneer R at Mirani Weir TW #	6.06m	rising	02:03 PM SAT 25/12/10
Pioneer R at Dumbleton Rocks #	17m	rising	01:58 PM SAT 25/12/10
Pioneer R at Dumbleton Weir T/W *	11.53m	rising	11:30 AM SAT 25/12/10
Pioneer R at Hospital Br #	6.87m	rising	01:51 PM SAT 25/12/10
Pioneer R at Mackay #	6.15m	steady	01:32 PM SAT 25/12/10
Goosepond Ck at Gooseponds #	5.52m	steady	01:20 PM SAT 25/12/10
Outer Harbour tide*	5.92m	rising	01:00 PM SAT 25/12/10
Bakers Ck at Bakers Creek #	NA		
Dalrymple Bay tide *	6.35m	rising	01:00 PM SAT 25/12/10
Sandy Ck at Homebush*	5.67m	steady	12:13 PM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 4:55 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has continued to fall across the Pioneer catchment during Saturday afternoon with a further 40-70mm recorded in the 3 hours to 4.30pm. Minor to moderate flood levels continue to rise in Blacks Creek at Whitefords and in the upper Pioneer River at Sarichs, and also along Cattle Creek between Finch Hatton and Gargett. Minor flooding is rising fast at Mirani Weir with moderate flood levels expected during the next few hours.

River levels are rising downstream from Mirani Weir with minor flooding occurring at Dumbleton Rocks, and the possibility of some minor flooding to occur with the high tides downstream at Hospital Bridge. River levels at Mackay are expected to remain below the minor flood level of 7 metres, but further rain could produce higher levels overnight. The situation will continue to be monitored closely.

Weather Forecast:
Rain areas with local thunder. Further moderate to heavy falls.

Next Issue:
The next warning will be issued at about 6am Sunday or earlier if the situation worsens.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.8m rising	03:50 PM SAT 25/12/10
Teemburra Ck at Teemburra Dam #	0.94m rising	03:55 PM SAT 25/12/10
Blacks Ck at Whiteford's #	5.84m rising	04:31 PM SAT 25/12/10
Pioneer R at Sarich's #	8.64m rising	04:30 PM SAT 25/12/10
Finch Hatton Ck at Dam Site *	2.69m rising	03:00 PM SAT 25/12/10
Cattle Ck at Finch Hatton #	4.3m rising	04:33 PM SAT 25/12/10
Cattle Ck d/s Frank Neilsen Br #	6.4m falling	04:34 PM SAT 25/12/10
Pioneer R at Mirani Weir HW *	49.31m rising	04:10 PM SAT 25/12/10
Pioneer R at Mirani Weir TW #	8.21m rising	04:35 PM SAT 25/12/10
Pioneer R at Dumbleton Rocks #	17.4m rising	04:28 PM SAT 25/12/10
Pioneer R at Dumbleton Weir T/W *	11.69m falling	02:40 PM SAT 25/12/10
Pioneer R at Hospital Br #	6.72m falling	04:35 PM SAT 25/12/10
Pioneer R at Mackay #	5.15m steady	04:32 PM SAT 25/12/10
Goosepond Ck at Gooseponds #	5.57m steady	04:20 PM SAT 25/12/10
Outer Harbour tide*	4.6m falling	04:00 PM SAT 25/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	4.96m falling	04:00 PM SAT 25/12/10
Sandy Ck at Homebush*	7.73m rising	03:10 PM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 6:06 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Stream levels continue to generally ease below minor flood level across the Pioneer River catchment during Sunday morning, following a major flood peak overnight at Mirani Weir and some minor flooding with the high tide around midnight at Hospital Bridge in the Mackay area. Further rainfall is forecast for the district with possible heavy falls which would result in renewed rises and

possible flooding during Sunday. The situation will continue to be monitored closely.

A major flood peak to 10.4 metres was recorded at 10.30pm Saturday at Mirani Weir. Some small rises are being recorded during Sunday morning in Blacks Creek at Whitefords with the continuing rain.

Weather Forecast:
Showers tending to rain at times. Some further moderate to heavy falls, especially during the morning.

Next Issue:
The next warning will be issued at about 4pm Sunday or earlier if the situation worsens.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.9m falling	04:35 AM SUN	26/12/10
Blacks Ck at Whiteford's #	4.74m rising	05:46 AM SUN	26/12/10
Pioneer R at Sarich's #	5.94m steady	05:45 AM SUN	26/12/10
Finch Hatton Ck at Dam Site *	2.5m rising	02:50 AM SUN	26/12/10
Cattle Ck at Finch Hatton #	2.75m falling	05:41 AM SUN	26/12/10
Cattle Ck d/s Frank Neilsen Br #	4.3m falling	05:33 AM SUN	26/12/10
Pioneer R at Mirani Weir HW *	48.15m falling	05:10 AM SUN	26/12/10
Pioneer R at Mirani Weir TW #	5.91m falling	05:23 AM SUN	26/12/10
Pioneer R at Dumbleton Rocks #	17.15m falling	05:43 AM SUN	26/12/10
Pioneer R at Dumbleton Weir T/W *	11.91m falling	05:40 AM SUN	26/12/10
Pioneer R at Hospital Br #	6.77m falling	05:40 AM SUN	26/12/10
Pioneer R at Mackay #	4.85m falling	05:38 AM SUN	26/12/10
Goosepond Ck at Gooseponds #	5.32m rising	05:48 AM SUN	26/12/10
Outer Harbour tide*	3.3m falling	05:00 AM SUN	26/12/10
Bakers Ck at Bakers Creek #	NA		
Dalrymple Bay tide *	3.57m falling	05:00 AM SUN	26/12/10
Sandy Ck at Homebush*	9.72m steady	04:23 AM SUN	26/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER
Issued at 4:25 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Stream levels across the Pioneer River catchment have fallen below minor flood level during the day. Rainfall has eased over the catchment with falls of less than 10mm over the last 6 hours. Further showers and thunderstorms are forecast for the region but heavy falls are no longer expected.

Next Issue:

This is the final warning. The situation will continue to be monitored and warnings will re-commence if necessary.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.78m	falling	02:30 PM SUN 26/12/10
Teemburra Ck at Teemburra Dam #	0.89m	steady	03:05 PM SUN 26/12/10
Blacks Ck at Whiteford's *	3.82m	falling	02:00 PM SUN 26/12/10
Blacks Ck at Whiteford's #	3.69m	falling	03:53 PM SUN 26/12/10
Pioneer R at Sarich's *	5.26m	falling	02:00 PM SUN 26/12/10
Pioneer R at Sarich's #	5.09m	falling	03:25 PM SUN 26/12/10
Finch Hatton Ck at Dam Site *	2.24m	rising	11:00 AM SUN 26/12/10
Cattle Ck at Finch Hatton #	2.4m	rising	03:51 PM SUN 26/12/10
Cattle Ck at Finch Hatton *	2.49m	falling	02:40 PM SUN 26/12/10
Cattle Ck at Frank Neilsen Br *	3.28m	falling	02:00 PM SUN 26/12/10
Cattle Ck d/s Frank Neilsen Br #	3.4m	falling	03:38 PM SUN 26/12/10
Pioneer R at Mirani Weir HW *	47.46m	falling	03:10 PM SUN 26/12/10
Pioneer R at Mirani Weir TW *	4.75m	falling	02:36 PM SUN 26/12/10
Pioneer R at Mirani Weir TW #	4.61m	falling	03:50 PM SUN 26/12/10
Pioneer R at Dumbleton Rocks *	16.41m	falling	02:40 PM SUN 26/12/10
Pioneer R at Dumbleton Rocks #	16.2m	falling	04:00 PM SUN 26/12/10
Pioneer R at Dumbleton Weir T/W *	10.74m	falling	02:40 PM SUN 26/12/10
Pioneer R at Hospital Br #	6.02m	falling	04:03 PM SUN 26/12/10
Pioneer R at Mackay #	5.15m	falling	04:08 PM SUN 26/12/10
Goosepond Ck at Gooseponds #	4.92m	falling	02:42 PM SUN 26/12/10
Outer Harbour tide*	5.54m	falling	03:00 PM SUN 26/12/10
Outer Harbour tide#	4.86m	falling	04:08 PM SUN 26/12/10
Dalrymple Bay tide *	5.97m	falling	03:00 PM SUN 26/12/10
Sandy Ck at Homebush*	7.83m	falling	02:00 PM SUN 26/12/10

* # donotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 12:09 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Fast stream rises are occurring in the upper Pioneer River catchment in Cattle and Blacks Creeks, with minor flooding occurring at Finch Hatton. Further rises and more widespread minor flooding are likely to extend downstream with continued heavy rainfall during Monday morning.

River levels in the Pioneer River at Mackay are expected to remain below minor flood level at this stage. The situation will continue to be closely monitored.

The heaviest rainfalls in the 6 hours to midnight Sunday include; Plevna 171mm, Clarke Range 136mm, Mirani Weir 116mm, Teemburra Dam 114mm and Rowallan Park 77mm. Moderate to heavy rainfall associated with Tropical Cyclone Anthony is

expected to continue during the early hours of Monday morning.

Next Issue:
The next warning will be issued at about 5am Monday.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.44m rising	11:30 PM SUN 30/01/11
Blacks Ck at Whiteford's #	3.24m rising	11:41 PM SUN 30/01/11
Pioneer R at Sarich's #	3.69m rising	11:48 PM SUN 30/01/11
Cattle Ck at Finch Hatton #	3.35m rising	11:47 PM SUN 30/01/11
Cattle Ck d/s Frank Neilsen Br #	4.9m rising	11:02 PM SUN 30/01/11
Pioneer R at Mirani Weir HW *	46.02m rising	09:05 PM SUN 30/01/11
Pioneer R at Mirani Weir TW #	4.66m rising	11:41 PM SUN 30/01/11
Pioneer R at Dumbleton Rocks #	15.2m rising	11:44 PM SUN 30/01/11
Pioneer R at Dumbleton Weir T/W *	8.7m rising	11:40 PM SUN 30/01/11
Pioneer R at Hospital Br #	4.62m falling	11:42 PM SUN 30/01/11
Pioneer R at Mackay #	3.85m falling	11:46 PM SUN 30/01/11
Goosepond Ck at Gooseponds #	5.52m rising	11:30 PM SUN 30/01/11
Outer Harbour tide#	3.36m falling	11:43 PM SUN 30/01/11
Bakers Ck at Bakers Creek #	4.6m falling	11:48 PM SUN 30/01/11
Dalrymple Bay tide *	4.43m falling	11:00 PM SUN 30/01/11
Sandy Ck at Homebush*	2.65m rising	10:20 PM SUN 30/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 4:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Fast stream rises are occurring in the upper Pioneer River catchment in Cattle
and Blacks Creeks, with at least moderate flood levels likely along Blacks Creek
during Monday morning. River level rises will extend downstream during Monday
morning with at least moderate flood levels of 8 metres expected at Mirani.
Heavy rainfall is continuing.

River levels in the Pioneer River at Mackay (Forgan Bridge) are expected to
remain below minor flood level at this stage. The situation will continue to be
closely monitored.

The heaviest rainfalls in the 12 hours to 4am Monday include; Plevna 340mm,
Clarke Range 207mm, Mirani Weir 155mm, Teemburra Dam 219mm and Eungella 199mm.

Next Issue:
The next warning will be issued at about 7am Monday.

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Latest River Heights:
Teemburra Ck at Teemburra Dam HW * 0.56m rising  02:40 AM MON 31/01/11
Teemburra Ck at Teemburra Dam #    0.79m rising  03:55 AM MON 31/01/11
Blacks Ck at Whiteford's *         5.83m rising  03:30 AM MON 31/01/11
Blacks Ck at Whiteford's #         6.29m rising  03:59 AM MON 31/01/11
Pioneer R at Sarich's *            7.29m rising  03:40 AM MON 31/01/11
Pioneer R at Sarich's #            7.54m rising  03:58 AM MON 31/01/11
Cattle Ck at Finch Hatton #        4m rising     03:59 AM MON 31/01/11
Cattle Ck at Finch Hatton *        4.23m falling 03:40 AM MON 31/01/11
Cattle Ck at Frank Neilsen Br *    6.3m rising   03:40 AM MON 31/01/11
Cattle Ck d/s Frank Neilsen Br #   6.95m rising  03:54 AM MON 31/01/11
Pioneer R at Mirani Weir HW *      46.02m rising 09:05 PM SUN 30/01/11
Pioneer R at Mirani Weir TW *      7.27m rising  03:40 AM MON 31/01/11
Pioneer R at Mirani Weir TW #      7.66m rising  04:00 AM MON 31/01/11
Pioneer R at Dumbleton Rocks *     17.03m rising 03:40 AM MON 31/01/11
Pioneer R at Dumbleton Rocks #     17.05m rising 03:42 AM MON 31/01/11
Pioneer R at Dumbleton Weir T/W *  11.87m rising 03:40 AM MON 31/01/11
Pioneer R at Hospital Br #         5.72m rising  04:01 AM MON 31/01/11
Pioneer R at Mackay #              3.35m rising  03:59 AM MON 31/01/11
Goosepond Ck at Gooseponds #       5.32m falling 03:43 AM MON 31/01/11
Outer Harbour tide*                1.13m falling 03:00 AM MON 31/01/11
Outer Harbour tide#                1.41m rising  03:57 AM MON 31/01/11
Bakers Ck at Bakers Creek #        4.4m rising   03:15 AM MON 31/01/11
Dalrymple Bay tide *               1.79m falling 02:00 AM MON 31/01/11
Sandy Ck at Homebush*              4.71m rising  03:18 AM MON 31/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 6:17 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the Pioneer River catchment in Cattle
Creek with major flood levels likely along Blacks Creek during Monday morning.
River level rises will extend downstream during Monday morning with major flood
levels of just above 9 metres expected at Mirani.

River levels in the Pioneer River at Mackay (Forgan Bridge) are expected to
remain below minor flood level at this stage. Flood levels at Hospital Bridge
are likely to rise to around the minor flood level of 8 metres.

The heaviest rainfalls in the 24 hours to 6am Monday include; Plevna 376mm,
Clarke Range 282mm, Mirani Weir 181mm, Teemburra Dam 266mm and Eungella 236mm.

Next Issue:
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The next warning will be issued at about 11am Monday.

Latest River Heights:
Teemburra Ck at Teemburra Dam HW * 0.63m rising   03:35 AM MON 31/01/11
Teemburra Ck at Teemburra Dam #    0.89m steady   06:03 AM MON 31/01/11
Blacks Ck at Whiteford's *         7.09m rising   05:20 AM MON 31/01/11
Blacks Ck at Whiteford's #         7.29m falling  06:09 AM MON 31/01/11
Pioneer R at Sarich's *            8.8m rising    05:40 AM MON 31/01/11
Pioneer R at Sarich's #            8.99m rising   06:03 AM MON 31/01/11
Cattle Ck at Finch Hatton #        3.15m rising   06:04 AM MON 31/01/11
Cattle Ck at Finch Hatton *        3.2m falling   05:40 AM MON 31/01/11
Cattle Ck at Frank Neilsen Br *    6.69m rising   05:00 AM MON 31/01/11
Cattle Ck d/s Frank Neilsen Br #   6.85m falling  06:08 AM MON 31/01/11
Pioneer R at Mirani Weir TW #      9.36m rising   06:04 AM MON 31/01/11
Pioneer R at Dumbleton Rocks *     17.53m rising  05:40 AM MON 31/01/11
Pioneer R at Dumbleton Rocks #     17.75m rising  06:06 AM MON 31/01/11
Pioneer R at Dumbleton Weir T/W *  12.26m falling 05:40 AM MON 31/01/11
Pioneer R at Hospital Br #         6.42m falling  06:09 AM MON 31/01/11
Pioneer R at Mackay #              4.25m rising   06:05 AM MON 31/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER
Issued at 10:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the Pioneer River. A minor flood peak is
approaching Dumbleton Rocks and Hospital Bridge where levels will ease through
the afternoon. River levels in the Pioneer River at Mackay (Forgan Bridge) will
remain below minor flood level. Elsewhere, river levels are falling.

Next Issue:
This is the final warning. River height bulletins will continue to be issued and
updates will appear in the flood warning summary.

Latest River Heights:
Teemburra Ck at Teemburra Dam #    0.84m falling 09:10 AM MON 31/01/11
Blacks Ck at Whiteford's *         6.61m falling 09:20 AM MON 31/01/11
Blacks Ck at Whiteford's #         6.09m falling 10:04 AM MON 31/01/11
Pioneer R at Sarich's *            9.26m falling 09:40 AM MON 31/01/11
Pioneer R at Sarich's #            8.99m falling 10:03 AM MON 31/01/11
Cattle Ck at Finch Hatton #        2.5m falling  09:55 AM MON 31/01/11
Cattle Ck at Finch Hatton *        2.59m falling 09:40 AM MON 31/01/11
Cattle Ck at Frank Neilsen Br *    3.82m falling 09:40 AM MON 31/01/11
Cattle Ck d/s Frank Neilsen Br #   3.95m falling 10:04 AM MON 31/01/11
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Pioneer R at Mirani Weir HW *      50.2m falling 09:25 AM MON 31/01/11
Pioneer R at Mirani Weir TW *      9.2m falling  09:40 AM MON 31/01/11
Pioneer R at Mirani Weir TW #      9.06m falling 10:03 AM MON 31/01/11
Pioneer R at Dumbleton Rocks *     18.49m rising 09:40 AM MON 31/01/11
Pioneer R at Dumbleton Rocks #     18.55m rising 08:51 AM MON 31/01/11
Pioneer R at Dumbleton Weir T/W *  13.81m rising 09:40 AM MON 31/01/11
Pioneer R at Hospital Br #         7.97m rising  10:03 AM MON 31/01/11
Pioneer R at Mackay #              6.2m rising   09:19 AM MON 31/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(12)"

FLDWARN Coastal Rs Mackay to Maryborough

1 December 2010 to 31 January 2011

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TO::BOM609+BOM610+BOM611

IDQ20760

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

Issued at 12:13 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of over 120mm has been recorded in the coastal rivers
and streams between Rockhampton and Maryborough in the 24 hours to 9am Sunday.
Some minor to moderate flooding can be expected in the Kolan, Burrum/Cherwell,
Calliope, Boyne and Baffle Creek catchments during Sunday.

Flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued at about 4pm Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609+BOM610+BOM611

IDQ20760

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

Issued at 3:59 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of over 120mm has been recorded in the coastal rivers
and streams between Rockhampton and Maryborough in the 24 hours to 9am Sunday.
Some significant rises can be expected in the Calliope, Boyne and Baffle Creek
catchments for the remainder of the weekend.

Flood warnings for individual rivers will be issued if required.
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Next Issue:
The next warning will be issued at about 4pm Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609+BOM610+BOM611

IDQ20760

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

Issued at 3:59 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of over 120mm has been recorded in the coastal rivers
and streams between Rockhampton and Maryborough in the 24 hours to 9am Sunday.
Some significant rises can be expected in the Calliope, Boyne and Baffle Creek
catchments for the remainder of the weekend.

Flood warnings for individual rivers will be issued if required.

Next Issue:
The next warning will be issued at about 7am Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609+BOM610+BOM611

IDQ20760

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND
MARYBOROUGH
Issued at 5:24 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

A heavy rain band has cleared the region and is currently lying off the coast.

Isolated showers and afternoon thunderstorms are forecast but are not expected to produce any further significant rises.

Minor flooding continues in the Baffle Creek at Mimdale.

Flood warnings are current for the Burrum and Cherwell Rivers, Kolan River and Burnett River.

The situation will continue to be monitored.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(13)"

FLDWARN for the Fitzroy River basin

1 December 2010 to 31 January 2011

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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 5:29 PM on Wednesday the 1st of December 2010
by the Bureau of Meteorology, Brisbane.

CONNORS/ISAAC RIVERS


River level rises are occurring throughout the Connors/Isaac catchment. Moderate
flood levels of at least 10 metres are expected at Pink Lagoon on Friday. A
moderate flood peak is expected at Yatton during Saturday. Minor flood levels
are likely to be reached during Thursday at both locations.

COMET RIVER

River level rises are occurring along the Comet and Mackenzie Rivers. Some minor
to moderate flooding is likely between The Lake and Comet Weir.

DAWSON RIVER

Fast river level rises have been observed at Utopia Downs and Tarana Crossing
causing minor flood levels. Further rises are forecast to reach moderate flood
levels overnight. Major flood levels are not expected. Moderate flood levels are
expected at Taroom this week. Further forecasts will be made once upstream peaks
have been observed.

Next Issue:
The next warning will be issued by 10am Thursday

Latest River Heights:
Dawson R at Utopia Downs *         5.81m rising  03:20 PM WED 01/12/10
Juandah Ck at Windamere *          1.26m rising  03:30 PM WED 01/12/10
Dawson R at Taroom *               3.95m rising  03:00 PM WED 01/12/10
Mimosa Ck at Redcliff *            2.5m rising   03:00 PM WED 01/12/10
Dawson R at Beckers *              2.97m steady  02:00 PM WED 01/12/10
Dawson R at Knebworth *            3.32m falling 03:35 PM WED 01/12/10
Comet R at The Lake *              9.11m rising  03:00 PM WED 01/12/10
Comet R at Comet Weir *            4.96m rising  03:00 PM WED 01/12/10
Nogoa R at Craigmore #             2.31m falling 08:50 AM WED 01/12/10
Nogoa R at Fairbairn Dam HW *      0.26m steady  12:00 PM WED 01/12/10
Nogoa R at Emerald #               4.3m steady   08:51 AM WED 01/12/10
Policeman's Ck at Rubyvale #       0.95m steady  07:57 AM WED 01/12/10
Theresa Ck at Gregory Highway #    2.12m steady  01:32 PM WED 01/12/10
Mackenzie R at Bedford Weir TW #   5.46m rising  08:57 AM WED 01/12/10
Connors R at Pink Lagoon *         3.5m rising   03:30 PM WED 01/12/10
Isaac R at Yatton *                5.72m rising  02:40 PM WED 01/12/10
Mackenzie R at Tartrus *           6.84m rising  07:25 AM WED 01/12/10

*automatic station
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Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:13 AM on Thursday the 2nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is rising along the Connors/Isaac Rivers at Pink Lagoon and at Yatton. Moderate flooding is rising in the upper Dawson River, with minor flooding also on the rise at Taroom.

CONNORS/ISAAC RIVERS

Minor flooding continues to rise on the Connors River at Pink Lagoon, where moderate flood levels are expected to exceed 10 metres during Friday. Moderate flooding continues to rise downstream on the Isaac River at Yatton, with a moderate flood peak is expected during Saturday.

Stream levels are generally easing elsewhere across the Connors/Isaac catchment.

COMET RIVER

River levels along the Comet River have already peaked or are nearing a peak below minor flood level at The Lake and further downstream at Comet Weir.

DAWSON RIVER

Fast river rises and moderate flooding are occurring at Utopia Downs and Tarana Crossing, with minor flood levels rising downstream at Taroom. Further rises and moderate flooding is expected at Taroom within the next 24 to 36 hours, however river levels are not expected to reach the major flood level of 7 metres.

River rises are occurring downstream from Taroom along the lower Dawson River, however forecasts will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 10am Friday.

Latest River Heights:

Dawson R at Utopia Downs *	9.82m	rising	08:00 AM THU 02/12/10
Juandah Ck at Windamere *	1.12m	falling	08:00 AM THU 02/12/10
Dawson R at Taroom *	5.05m	rising	08:00 AM THU 02/12/10
Mimosa Ck at Redcliff *	2.43m	falling	08:00 AM THU 02/12/10

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Dawson R at Baralaba                NA
Dawson R at Beckers *               3.56m rising  08:00 AM THU 02/12/10
Dawson R at Knebworth *             3.21m rising  09:05 AM THU 02/12/10

Comet R at The Lake *               8.64m falling 08:00 AM THU 02/12/10
Comet R at Comet Weir *             5.34m steady  08:00 AM THU 02/12/10

Nogoa R at Craigmore #              2.81m rising  08:49 AM THU 02/12/10
Nogoa R at Fairbairn Dam HW *       0.25m steady  06:00 AM THU 02/12/10
Nogoa R at Emerald #                4.25m steady  08:51 AM THU 02/12/10
Policeman's Ck at Rubyvale #        0.9m steady   07:57 AM THU 02/12/10
Theresa Ck at Gregory Highway #     1.97m steady  07:32 AM THU 02/12/10

Mackenzie R at Bedford Weir TW #    6.69m rising  09:25 AM THU 02/12/10
Mackenzie R at Bingegand Weir AL #  NA
Connors R at Pink Lagoon *          8.64m rising  08:00 AM THU 02/12/10
Isaac R at Yatton *                 9.97m rising  08:30 AM THU 02/12/10
Mackenzie R at Tartrus *            7.52m rising  06:35 AM THU 02/12/10
Fitzroy R at Riverslea *            NA

* denotes automatic station.

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:59 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Renewed rises are occurring in the Fitzroy basin following heavy rainfall
overnight. Moderate flood levels should be expected through the Connors/Isaac
catchment over the weekend. On the Comet River, major flood levels are likely at
Comet Weir later today. Areas along the Mackenzie and Dawson Rivers should
expected minor to moderate flood levels during the next 7 days.

CONNORS/ISAAC RIVERS

Fast river level rises are occurring across the Connors Isaac catchment with
minor to moderate flood levels expected. Moderate flood levels at Pink Lagoon
are expected to rise further today with at least 12.5 metres over the weekend.
Moderate flooding continues to rise downstream on the Isaac River at Yatton. At
least 14 to 15 metres should be expected over the weekend. Further rises are
possible as rainfall continues.

THERESA CREEK

Fast river level rises are occurring with minor flood levels possible along
Retreat Creek at Gregory Highway.
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COMET RIVER

Renewed rises are occurring along the Comet River from The Lake to Comet Weir. Moderate flood levels are likely at The Lake with major flood levels of at least 8 metres likely at Comet Weir during Friday.

MACKENZIE RIVER

Moderate to major flood levels should be expected along the Mackenzie River into next week. Forecasts will be made once upstream peaks have been observed. Moderate flood levels of 12 metres will be reached at Bedford Weir later today.

DAWSON RIVER

Moderate flood levels at Utopia Downs and Tarana Crossing are continuing and will extend to Taroom this morning. Further rises to the major flood level of 7 metres are possible over the weekend.

River rises are occurring downstream from Taroom along the lower Dawson River. Minor to moderate flood levels should be expected at Theodore, Moura and Baralaba during the next week.

Next Issue:
The next warning will be issued by 4pm Friday.

Latest River Heights:

Dawson R at Utopia Downs *	10.47m falling	08:00 AM FRI 03/12/10
Juandah Ck at Windamere *	0.93m steady	08:00 AM FRI 03/12/10
Dawson R at Taroom *	5.93m rising	08:00 AM FRI 03/12/10
Mimosa Ck at Redcliff *	2.8m rising	08:30 AM FRI 03/12/10
Dawson R at Baralaba	4.2m rising	09:00 AM FRI 03/12/10
Dawson R at Beckers *	4.76m steady	08:33 AM FRI 03/12/10
Dawson R at Knebworth *	4.15m rising	08:10 AM FRI 03/12/10
Comet R at The Lake *	9.71m rising	08:10 AM FRI 03/12/10
Comet R at Comet Weir *	7.33m rising	08:28 AM FRI 03/12/10
Nogoa R at Craigmore #	5.26m rising	09:03 AM FRI 03/12/10
Nogoa R at Fairbairn Dam HW *	0.87m rising	08:25 AM FRI 03/12/10
Nogoa R at Emerald #	9m rising	09:14 AM FRI 03/12/10
Policeman's Ck at Rubyvale #	1.55m falling	09:17 AM FRI 03/12/10
Theresa Ck at Gregory Highway #	7.57m rising	09:12 AM FRI 03/12/10
Mackenzie R at Bedford Weir TW #	11.05m rising	09:15 AM FRI 03/12/10
Connors R at Pink Lagoon *	10.67m steady	08:33 AM FRI 03/12/10
Isaac R at Yatton *	11.78m rising	08:35 AM FRI 03/12/10
Mackenzie R at Tartrus *	8.97m rising	08:05 AM FRI 03/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:54 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Renewed rises are occurring in the Fitzroy basin following heavy rainfall overnight. Moderate flood levels should be expected through the Connors/Isaac catchment over the weekend. On the Comet River, major flood levels are likely at Comet Weir later today. Areas along the Mackenzie and Dawson Rivers should expected minor to moderate flood levels during the next 7 days.

CONNORS/ISAAC RIVERS

Fast river level rises are occurring across the Connors Isaac catchment with minor to moderate flood levels expected. Moderate flood levels at Pink Lagoon are expected to rise further today with at least 12.5 metres over the weekend. Moderate flooding continues to rise downstream on the Isaac River at Yatton. At least 14 to 15 metres should be expected over the weekend. Further rises are possible as rainfall continues.

THERESA CREEK

Fast river level rises are occurring with minor flood levels possible along Retreat Creek at Gregory Highway during the next few hours. Moderate flood levels are possible during the weekend.

COMET RIVER

Renewed rises are occurring along the Comet River from The Lake to Comet Weir. Moderate flood levels are likely at The Lake with major flood levels of at least 8 metres likely at Comet Weir during Friday.

MACKENZIE RIVER

Moderate to major flood levels should be expected along the Mackenzie River into next week. Forecasts will be made once upstream peaks have been observed. Moderate flood levels of 12 metres will be reached at Bedford Weir later today.

DAWSON RIVER

Moderate flood levels at Utopia Downs and Tarana Crossing are continuing and will extend to Taroom this morning. Further rises to the major flood level of 7 metres are possible over the weekend.

River rises are occurring downstream from Taroom along the lower Dawson River. Minor to moderate flood levels should be expected at Theodore, Moura and Baralaba during the next week.

Next Issue:
The next warning will be issued by 4pm Friday.

Latest River Heights:

Dawson R at Utopia Downs *	10.27m	falling	10:23 AM FRI 03/12/10
Juandah Ck at Windamere *	0.93m	steady	10:13 AM FRI 03/12/10
Dawson R at Taroom *	6.00m	steady	10:00 AM FRI 03/12/10
Mimosa Ck at Redcliff *	3.08m	rising	10:00 AM FRI 03/12/10
Dawson R at Baralaba	4.20m	rising	09:00 AM FRI 03/12/10
Dawson R at Beckers *	4.76m	steady	08:33 AM FRI 03/12/10
Dawson R at Knebworth *	4.34m	steady	11:00 AM FRI 03/12/10
Comet R at The Lake *	10.40m	rising	10:20 AM FRI 03/12/10

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Comet R at Comet Weir *            7.77m rising  10:07 AM FRI 03/12/10
Nogoa R at Craigmore #             6.06m rising  11:35 AM FRI 03/12/10
Nogoa R at Fairbairn Dam HW *      0.97m rising  11:00 AM FRI 03/12/10
Nogoa R at Emerald #               9.90m rising  11:32 AM FRI 03/12/10
Policeman's Ck at Rubyvale #       1.40m falling 11:10 AM FRI 03/12/10
Theresa Ck at Gregory Highway #    8.17m rising  11:32 AM FRI 03/12/10
Mackenzie R at Bedford Weir TW #  11.82m rising  11:34 AM FRI 03/12/10
Connors R at Pink Lagoon *        10.85m steady  10:11 AM FRI 03/12/10
Isaac R at Yatton *               11.78m rising  08:35 AM FRI 03/12/10
Mackenzie R at Tartrus *           8.97m rising  08:05 AM FRI 03/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 4:31 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels should be expected through the Connors/Isaac catchment
over the weekend. On the Comet River, major flood levels will continue at Comet
Weir over the weekend. Areas along the Mackenzie and Dawson Rivers should expect
minor to moderate flood levels during the next 7 days.

CONNORS/ISAAC RIVERS

Fast river level rises are occurring across the Connors/Isaac catchments with
moderate flood levels expected. Moderate flood levels at Pink Lagoon are
expected to rise further today with at least 12.5 metres over the weekend.
Moderate flooding continues to rise downstream on the Isaac River at Yatton. At
least 14 to 15 metres should be expected over the weekend. Further rises are
possible as rainfall continues.

THERESA CREEK

Fast river level rises are occurring with minor flood levels likely along
Retreat Creek at Gregory Highway this evening. Moderate flood levels are
possible during the weekend.

NOGOA RIVER

Rises are expected to continue at Fairbairn Dam and Emerald over the weekend. At
this stage, Nogoa River levels are expected to remain below the minor flood
level of 14 metres.

COMET RIVER

Major flood levels of 12 metres will be reached at The Lake this evening and
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major flood levels of around 9 metres are likely at Comet Weir over the weekend.

MACKENZIE RIVER

Moderate to major flood levels should be expected along the Mackenzie River into next week. Forecasts will be made once upstream peaks have been observed. Moderate flood levels of 12 metres are occurring at Bedford Weir with further rises expected.

DAWSON RIVER

Moderate flood levels are continuing at Utopia Downs, Tarana Crossing and Taroom. Further rises to the major flood level of 7 metres at Taroom are possible over the weekend.

River rises are occurring downstream from Taroom along the lower Dawson River. Minor to moderate flood levels should be expected at Theodore and Moura during the next week with major flood levels possible at Baralaba.

Next Issue:
The next warning will be issued by 11am Saturday.

Latest River Heights:

Dawson R at Utopia Downs *	9.89m	falling 02:00 PM FRI 03/12/10
Juandah Ck at Windamere *	1.05m	rising 02:31 PM FRI 03/12/10
Dawson R at Taroom *	6.18m	steady 02:04 PM FRI 03/12/10
Mimosa Ck at Redcliff *	3.94m	rising 02:00 PM FRI 03/12/10
Dawson R at Baralaba	4.8m	rising 03:00 PM FRI 03/12/10
Dawson R at Beckers *	5.39m	rising 02:30 PM FRI 03/12/10
Dawson R at Knebworth *	4.66m	rising 03:05 PM FRI 03/12/10
Comet R at The Lake *	11.48m	rising 02:20 PM FRI 03/12/10
Comet R at Comet Weir *	8.31m	rising 02:00 PM FRI 03/12/10
Nogoa R at Craigmore #	8.96m	rising 03:55 PM FRI 03/12/10
Nogoa R at Fairbairn Dam HW *	1.11m	rising 02:50 PM FRI 03/12/10
Nogoa R at Emerald #	10.55m	rising 03:08 PM FRI 03/12/10
Policeman's Ck at Rubyvale #	1.25m	falling 03:54 PM FRI 03/12/10
Theresa Ck at Gregory Highway #	8.67m	rising 03:27 PM FRI 03/12/10
Mackenzie R at Bedford Weir TW #	12.72m	rising 03:50 PM FRI 03/12/10
Connors R at Pink Lagoon *	11.33m	rising 02:00 PM FRI 03/12/10
Isaac R at Yatton *	12.66m	rising 02:40 PM FRI 03/12/10
Mackenzie R at Tartrus *	8.97m	rising 08:05 AM FRI 03/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:06 AM on Saturday the 4th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels are expected to peak in the lower Connors/Isaac Rivers during the weekend. Major flooding is expected to continue in lower Retreat Creek around Gregory Highway and downstream in the Nogoa River and lower Comet River. River levels will continue rising along the upper Mackenzie River during the weekend and into next week. River rises will continue for the next few days along the Dawson River causing moderate flooding.

CONNORS/ISAAC RIVERS:
River levels are expected to peak in the Pink Lagoon to Yatton area during the weekend causing moderate flooding. Pink Lagoon is expected to peak at 13 to 13.5 metres on Sunday and Yatton between between 14 and 15 metres late Sunday.

RETREAT-THERESA CREEK:
Theresa Creek at Gregory Highway has peaked early Saturday morning at 10.4 metres which is about 0.4 metres less than the 2008 flood. Flood levels are expected to remain high until at least Monday.

NOGOA RIVER:
Rises are expected to continue at Fairbairn Dam and Emerald during the weekend and into Monday. The Nogoa River at Emerald is expected to peak below the minor flood level of 14 metres during late Monday or Tuesday. Current indications are that the level may reach near 12 metres (which is 2 metres lower than the minor flood level at Emerald).

COMET RIVER:
Very high flood levels are continuing in the lower Comet River. Major flooding has peaked at Springsure Junction, but river rises will continue in the Comet Weir area until Sunday with major flooding.

MACKENZIE RIVER:
Moderate to major flood levels are expected along the Mackenzie River into next week. The main flood peak will be in the Duckponds area during early Sunday and extend downstream to the Bedford Weir area on Monday and to the Bingegang area on Tuesday. The flood peak along the Mackenzie through this area downstream of the Comet River junction is likely to be similar to 2008 flood levels.

DAWSON RIVER:
A flood peak of about 7 metres is expected at Taroom during Sunday causing moderate to major flooding in the area. River rises will continue along the Dawson area to the Theodore and Moura areas during the weekend and next week causing moderate to major flooding. Major flood levels are likely in the Baralaba area through most of the week and into next weekend.

FITZROY RIVER:
River rises to minor to moderate flood levels are expected during next week from Riverslea to Yaamba. Slow river rises will also continue at Rockhampton during next week and possibly reach near the minor flood level of 7 metres by the end of next week.

Predicted River Heights/Flows:

Connors River at Pink Lagoon	peak between 13 and 13.5 metres on Sunday
Isaac River at Yatton	peak between 14 and 15 metres late Sunday
Nogoa River at Emerald	reach near 12 metres on Monday/Tuesday
Dawson River at Taroom	peak about 7 metres during Sunday

Next Issue:

The next warning will be issued by 11am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	10.34m steady	08:25 AM SAT 04/12/10
Juandah Ck at Windamere *	4.01m rising	08:40 AM SAT 04/12/10
Dawson R at Taroom *	6.8m rising	08:37 AM SAT 04/12/10
Dawson R at Baralaba	6.2m rising	09:00 AM SAT 04/12/10
Dawson R at Beckers *	6.68m rising	08:00 AM SAT 04/12/10
Comet R at The Lake *	13.3m rising	08:10 AM SAT 04/12/10
Comet R at Comet Weir *	11.24m rising	08:00 AM SAT 04/12/10
Nogoa R at Craigmore #	10.51m rising	09:43 AM SAT 04/12/10
Nogoa R at Fairbairn Dam HW *	1.54m rising	08:55 AM SAT 04/12/10
Nogoa R at Emerald #	9.8m falling	08:50 AM SAT 04/12/10
Theresa Ck at Gregory Highway #	10.37m steady	07:32 AM SAT 04/12/10
Mackenzie R at Bedford Weir TW #	16.02m rising	10:00 AM SAT 04/12/10
Connors R at Pink Lagoon *	12.93m rising	08:00 AM SAT 04/12/10
Isaac R at Yatton *	13.69m rising	08:10 AM SAT 04/12/10
Mackenzie R at Tartrus *	11.79m rising	06:35 AM SAT 04/12/10
Fitzroy R at Riverslea *	13.25m rising	08:10 AM SAT 04/12/10
Fitzroy R at Rockhampton	4.95m rising	09:00 AM SAT 04/12/10

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:11 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Summary:
Moderate flood levels are peaking in the lower Connors/Isaac Rivers during this weekend. Major flooding is expected to continue in the Nogoa River downstream of Emerald and in the Comet River. River levels will continue rising along the upper Mackenzie River from the Comet junction area to Bingegang Weir during this week with major flood peaks similar to those recorded in the 2008 flood. River rises will continue for the next few days along the Dawson River causing moderate flooding. River rises will continue next week in the Fitzroy River causing moderate flooding in the Yaamba area upstream from Rockhampton.

CONNORS/ISAAC RIVERS:
Connors River at Pink Lagoon peaked at 13.4 metres during Sunday morning. Moderate flood levels are expected to peak in the lower Isaac River in the Yatton area at about 15.3 metres overnight Sunday.

RETREAT-THERESA CREEK:
Flood levels in Theresa Creek at Valeria and Gregory Highway are expected to continue to fall slowly. Gregory Highway peaked early Saturday morning at 10.4 metres which is about 0.4 metres less than the 2008 flood.

NOGOA RIVER:
Rises are expected to continue at Fairbairn Dam and Emerald during the weekend and Monday. The Nogoa River at Emerald is expected to peak well below the minor flood level of 14 metres during Tuesday. Current indications are that the river level should reach 11 to 11.5 metres.

COMET RIVER:
Major flooding is continuing in the Comet River. Flood levels are expected to continue to fall very slowly in the Comet Weir area around the Capricorn Highway.

MACKENZIE RIVER:
River rises causing moderate to major flood levels are expected along the Mackenzie River into next week. The main flood peak is expected in the Duckponds area during Sunday afternoon and extend downstream to the Bedford Weir area on Tuesday and to the Bingegang area on Wednesday. The flood peak along the Mackenzie through this area downstream of the Comet River junction is expected to be similar to 2008 flood levels.

DAWSON RIVER:
The Dawson River at Taroom has peaked at 7.1 metres during Sunday morning with moderate to major flooding in the area. River rises will continue along the Dawson area to the Theodore and Moura areas this week causing moderate to major flooding. Major flood levels are likely in the Baralaba area through most of the week and into next weekend as a result of the Mimosa Creek floodwaters and upstream Dawson River waters arriving.

FITZROY RIVER:
River rises to minor to moderate flood levels are expected during this week from Riverslea to Yaamba. Slow river rises will also continue at Rockhampton during next week and possibly reach near the minor flood level of 7 metres by next weekend 11-12 Dec. Predictions will be updated as upstream flood peaks occur and could change with further rains this week.

Predicted River Heights/Flows:

Isaac River at Yatton	peak about 15.3 metres overnight Sunday
Nogoa River at Emerald	reach about 11 to 11.5 metres on Tuesday
Dawson River at Theodore	reach 11 to 12 metres on Tuesday/Wednesday
Fitzroy River at Rockhampton	possibly reach near the minor flood level of 7 metres by next weekend 11-12 Dec

Next Issue:
The next warning will be issued by 11am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	12.35m rising	09:00 AM SUN 05/12/10
Juandah Ck at Windamere *	7.62m falling	09:00 AM SUN 05/12/10
Dawson R at Taroom *	7.09m steady	09:00 AM SUN 05/12/10
Dawson R at Baralaba	7.4m rising	09:00 AM SUN 05/12/10
Dawson R at Beckers *	7.89m rising	09:00 AM SUN 05/12/10
Comet R at The Lake *	13.9m steady	09:00 AM SUN 05/12/10
Comet R at Comet Weir *	11.95m falling	09:00 AM SUN 05/12/10
Nogoa R at Craigmore #	10.31m steady	09:46 AM SUN 05/12/10
Nogoa R at Fairbairn Dam HW *	1.77m rising	08:25 AM SUN 05/12/10
Nogoa R at Emerald #	10.35m rising	09:34 AM SUN 05/12/10
Theresa Ck at Gregory Highway #	9.72m falling	08:37 AM SUN 05/12/10
Mackenzie R at Bedford Weir TW #	17.61m rising	10:02 AM SUN 05/12/10
Connors R at Pink Lagoon *	13.41m steady	09:00 AM SUN 05/12/10

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Isaac R at Yatton *                14.99m rising      09:00 AM SUN 05/12/10
Fitzroy R at Rockhampton           5.3m rising slowly 09:21 AM SUN 05/12/10


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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:25 AM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Summary:
Moderate flood levels are peaking in the lower Connors/Isaac Rivers at Yatton.
Major flooding will continue in the Nogoa River downstream of Emerald and in the
Comet River today. Major flood levels are expected along the Mackenzie River
during this week. River rises will continue this week along the Dawson River
causing moderate to major flooding. River rises will continue this week in the
Fitzroy River with river levels expected to reach at least the minor flood level
of 7 metres at Rockhampton.

CONNORS/ISAAC RIVERS:
Moderate flood levels are expected to peak in the lower Isaac River in the
Yatton area at about 15.7 metres by Monday afternoon.

RETREAT-THERESA CREEK:
Flood levels in Theresa Creek at Valeria and Gregory Highway are expected to
continue to fall slowly. At 9am, the height at Gregory Highway was 9.5 metres.

NOGOA RIVER:
Rises are expected to continue at Emerald during Monday. The Nogoa River at
Emerald is expected to peak well below the minor flood level of 14 metres at
around 11 metres later today.

COMET RIVER:
Major flooding is continuing in the Comet River. Flood levels are expected to
continue to fall very slowly in the Comet Weir area around the Capricorn
Highway.

MACKENZIE RIVER:
River rises causing moderate to major flood levels are expected along the
Mackenzie River this week. The main flood peak is currently in the Yakam area.
At 9am the river level at Yackam was 20.3 metres with major flood levels. A peak
of around 19.5 metres is expected at the Bedford Weir TW gauge on Tuesday. The
flood peak along the Mackenzie through this area downstream of the Comet River
junction is expected to be similar to 2008 flood levels.

DAWSON RIVER:
The Dawson River at Taroom continues to rise very slowly with major flooding in
the area. Levels are expected to peak around the current levels of 7.25 metres
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but will remain above 7 metres into Tuesday. River rises will continue along the Dawson area to the Theodore and Moura areas this week causing moderate to major flooding. Major flood levels are likely in the Baralaba area through most of the week and into next weekend as a result of the Mimosa Creek floodwaters and upstream Dawson River waters arriving.

FITZROY RIVER:
River rises to minor to moderate flood levels are expected during this week from Riverslea to Yaamba. Slow river rises will also continue at Rockhampton during the week and reach at least the minor flood level of 7 metres by the weekend. Further rises are possible with a peak expected early next week. Predictions will be updated as upstream flood peaks occur and could change with further rains this week.

Predicted River Heights/Flows:
Isaac River at Yatton peak about 15.7 metres today
Nogoa River at Emerald peak about 11 metres later today

Dawson River at Theodore reach 11 to 12 metres on Tuesday/Wednesday
Fitzroy River at Rockhampton reach the minor flood level of 7 metres by this weekend

Next Issue:
The next warning will be issued by 11am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	12.06m falling	08:00 AM MON 06/12/10
Juandah Ck at Windamere *	2.93m rising	08:20 AM MON 06/12/10
Dawson R at Taroom *	7.28m steady	08:00 AM MON 06/12/10
Dawson R at Theodore	9.82m rising	07:30 AM MON 06/12/10
Dawson R at Moura	6.7m rising fast	06:00 AM MON 06/12/10
Mimosa Ck at Redcliff *	3.97m falling	08:00 AM MON 06/12/10
Dawson R at Baralaba	9.15m rising	09:00 AM MON 06/12/10
Dawson R at Beckers *	9.21m rising	05:20 AM MON 06/12/10
Dawson R at Knebworth *	8.37m falling	08:10 AM MON 06/12/10
Comet R at The Lake *	13.77m rising	08:00 AM MON 06/12/10
Comet R at Comet Weir *	11.26m falling	08:00 AM MON 06/12/10
Nogoa R at Craigmore #	8.96m steady	08:49 AM MON 06/12/10
Nogoa R at Fairbairn Dam HW *	1.88m steady	06:00 AM MON 06/12/10
Nogoa R at Emerald #	10.8m steady	08:50 AM MON 06/12/10
Policeman's Ck at Rubyvale #	0.95m steady	04:57 AM MON 06/12/10
Theresa Ck at Gregory Highway #	9.42m falling	08:27 AM MON 06/12/10
Mackenzie R at Bedford Weir TW #	18.81m rising	09:11 AM MON 06/12/10
Connors R at Pink Lagoon *	12.48m falling	08:00 AM MON 06/12/10
Isaac R at Yatton *	15.54m steady	08:00 AM MON 06/12/10
Mackenzie R at Tartrus *	13.98m rising	07:25 AM MON 06/12/10
Fitzroy R at Rockhampton	5.1m rising	08:55 AM MON 06/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:13 AM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

Summary: Major flood levels are expected along the Dawson and Mackenzie Rivers during this week. Rises will continue this week in the Fitzroy River with levels expected to exceed the minor flood level of 7 metres at Rockhampton during the weekend. Moderate flood levels have peaked in the Connors/Isaac catchments.

CONNORS/ISAAC RIVERS:
Moderate flood levels peaked in the Isaac River at Yatton at 15.6 metres during Monday. Moderate flood levels at Pink Lagoon will continue to fall. Renewed rises may occur across the catchment following storms on Monday.

COMET RIVER:
Major flooding is continuing in the Comet River. Flood levels are expected to rise again during Tuesday at Comet Weir following rainfall on Monday. A return to levels recorded last weekend is not expected.

MACKENZIE RIVER:
River rises causing moderate to major flood levels are expected along the Mackenzie River this week. The main flood peak is currently in the Bedford area. At 9am, a level of 19.26 metres was recorded at Bedford Weir TW. A moderate flood peak of around 15.5 metres is expected at Bingegang on Wednesday. At Tartrus, river levels will reach the major flood level during today with a peak expected in the next 24 hours.

DAWSON RIVER:
The Dawson River at Taroom peaked overnight although major flood levels will continue through today. The flood peak is now upstream of the Glebe area. Major flood levels of at least 12.3 metres are forecast at Theodore on Thursday or Friday. At Moura, moderate flood levels of between 11 and 12 metres are forecast during the weekend. Major flood levels will continue in the Baralaba area through this week and into next.

FITZROY RIVER:
River rises causing minor to moderate flooding are expected during this week from Riverslea to Yaamba. River rises will also continue at Rockhampton during the week and exceed the minor flood level of 7 during the weekend. Further rises are possible with a peak expected early next week. Predictions will be updated as upstream flood peaks occur but could change with further rains this week.

Predicted River Heights/Flows:
Dawson River at Theodore reach at least 12.3 metres Thurs/Fri.

Mackenzie River at Bingegang peak around 15.3 metres during Wednesday.

Mackenzie River at Tartrus peak around 15.2 metres overnight Tuesday.

Fitzroy River at Riverslea reach the moderate flood level of 21 metres late this week.

Fitzroy River at Rockhampton exceed the minor flood level of 7 metres during this weekend.

Next Issue:
The next warning will be issued by 11am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	9.48m	falling	08:00 AM TUE 07/12/10
Juandah Ck at Windamere *	1.89m	falling	08:00 AM TUE 07/12/10
Dawson R at Taroom *	7.15m	falling	08:00 AM TUE 07/12/10
Dawson R at Theodore	11.46m	rising	09:00 AM TUE 07/12/10
Dawson R at Moura	8.5m	rising	05:30 AM TUE 07/12/10
Mimosa Ck at Redcliff *	3.47m	rising	08:00 AM TUE 07/12/10
Dawson R at Baralaba	10.4m	rising	06:00 AM TUE 07/12/10
Dawson R at Beckers *	11.14m	rising	08:00 AM TUE 07/12/10
Dawson R at Knebworth *	10.12m	rising	08:05 AM TUE 07/12/10
Comet R at The Lake *	13.57m	falling	06:20 AM TUE 07/12/10
Comet R at Comet Weir *	10.4m	falling	08:00 AM TUE 07/12/10
Nogoa R at Craigmore #	7.71m	falling	08:25 AM TUE 07/12/10
Nogoa R at Fairbairn Dam HW *	1.78m	falling	07:05 AM TUE 07/12/10
Nogoa R at Emerald #	10.75m	steady	08:50 AM TUE 07/12/10
Policeman's Ck at Rubyvale #	1.1m	falling	08:00 AM TUE 07/12/10
Theresa Ck at Gregory Highway #	6.87m	falling	08:51 AM TUE 07/12/10
Mackenzie R at Bedford Weir TW #	19.38m	rising	08:40 AM TUE 07/12/10
Connors R at Pink Lagoon *	9.22m	falling	08:00 AM TUE 07/12/10
Isaac R at Yatton *	15.08m	falling	08:00 AM TUE 07/12/10
Mackenzie R at Tartrus *	14.68m	rising	07:25 AM TUE 07/12/10
Fitzroy R at Rockhampton	5.1m	falling	06:35 AM TUE 07/12/10

*automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:27 AM on Wednesday the 8th of December 2010
by the Bureau of Meteorology, Brisbane.

Summary: Moderate to major flood levels will continue along the Dawson and
Mackenzie Rivers during this week. Rises will continue in the Fitzroy River with
levels expected to exceed the minor flood level of 7 metres at Rockhampton
during the weekend and reach around 7.8 metres next week. A further forecast
will be made once a peak has been observed at Riverslea. Predictions for
Rockhampton may change given forecast rainfall.

CONNORS/ISAAC RIVERS:
Minor flood levels are rising again at Pink Lagoon following storms on Monday
but a return to moderate flood levels will not occur. Flood levels at Yatton
will continue to fall but are likely to stay at moderate levels into Friday.

COMET RIVER:
Major flooding is continuing in the Comet River with renewed rises. A return to levels recorded last weekend is not expected and levels will begin falling again later today.

MACKENZIE RIVER:
Moderate to major flood levels will continue on Wednesday and Thursday. The main flood peak is currently approaching the Bingegang area where a moderate flood peak of around 15.3 metres is expected today. At Tartrus, river levels peaked overnight at 14.83 metres. River levels at Coolmaringa are expected to peak around the major flood level of 19 metres during Thursday.

DAWSON RIVER:
Moderate flood levels continue to fall at Taroom. The flood peak is now in the Glebe area. A major flood peak of 13 metres is possible at Theodore on Thursday or Friday. At Moura, moderate flood levels of up to 12 metres are forecast during the weekend. Major flood levels will continue in the Baralaba area through this week and into next. A forecast for Baralaba will be made once upstream peaks have been observed.

FITZROY RIVER:
River rises causing moderate flooding are expected during this weekend from Riverslea to Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres during the weekend and is expected to continue rising to reach 7.8 metres early next week. Higher levels are possible given forecast rainfall. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Theodore	peak to 13 metres is possible during Friday.
Mackenzie River at Bingegang	peak around 15.3 metres during Wednesday.
Fitzroy River at Riverslea	peak around the moderate flood level of 22 metres during the weekend. Further rises are possible with forecast rainfall.
Fitzroy River at Yaamba	reach 14 metres early next week.
Fitzroy River at Rockhampton	exceed the minor flood level of 7 metres during this weekend and reach 7.8 metres early next week with further rises possible.

Next Issue:
The next warning will be issued by 11am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.51m falling	08:00 AM WED 08/12/10
Juandah Ck at Windamere *	1.39m falling	08:00 AM WED 08/12/10
Dawson R at Taroom *	6.82m falling	08:00 AM WED 08/12/10
Dawson R at Theodore	12.26m rising	09:00 AM WED 08/12/10
Dawson R at Moura	10m rising	06:00 AM WED 08/12/10
Mimosa Ck at Redcliff *	3.24m falling	08:00 AM WED 08/12/10
Dawson R at Baralaba	10.95m rising slowly	06:00 AM WED 08/12/10
Dawson R at Beckers *	11.96m rising	08:00 AM WED 08/12/10
Dawson R at Knebworth *	11.32m steady	08:05 AM WED 08/12/10
Comet R at The Lake *	13.09m rising	08:20 AM WED 08/12/10
Comet R at Comet Weir *	10.41m rising	07:00 AM WED 08/12/10
Nogoa R at Craigmore #	7.11m steady	08:49 AM WED 08/12/10

Nogoa R at Fairbairn Dam HW *	1.58m falling	08:30 AM WED 08/12/10
Nogoa R at Emerald #	10.15m steady	08:49 AM WED 08/12/10
Policeman's Ck at Rubyvale #	1.1m steady	07:56 AM WED 08/12/10
Theresa Ck at Gregory Highway #	5.82m steady	07:31 AM WED 08/12/10
Mackenzie R at Bedford Weir TW #	18.45m falling	08:43 AM WED 08/12/10
Connors R at Pink Lagoon *	8.3m steady	08:00 AM WED 08/12/10
Isaac R at Yatton *	13.51m falling	08:30 AM WED 08/12/10
Mackenzie R at Tartrus *	14.79m falling	06:45 AM WED 08/12/10
Fitzroy R at Rockhampton	5.5m steady	08:00 AM WED 08/12/10

*automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:41 AM on Thursday the 9th of December 2010
by the Bureau of Meteorology, Brisbane.

Summary: Moderate to major flood levels will continue along the Dawson and Mackenzie Rivers during this week. Rises will continue in the Fitzroy River with levels expected to exceed the minor flood level of 7 metres at Rockhampton during the weekend and reach around 7.8 metres next week. A further forecast will be made once a peak has been observed at Riverslea. Predictions for Rockhampton may change given forecast rainfall.

CONNORS/ISAAC RIVERS:
Flood levels at Yatton will continue to fall but are likely to stay at moderate levels into Friday.

COMET RIVER:
Major flooding is continuing in the Comet River. Levels will fall gradually but will remain at major levels until Saturday. Any renewed rises are dependent on more rainfall.

MACKENZIE RIVER:
Moderate to major flood levels will continue on Thursday and Friday. River levels have peaked in the Bingegang area overnight. River levels at Coolmaringa are expected to peak around the moderate flood level of 18.5 metres during Thursday.

DAWSON RIVER:
Moderate flood levels continue to fall at Taroom. The flood peak is now in the Gyranda area. A major flood peak of 13.2 metres is likely at Theodore overnight Friday. At Moura, moderate flood levels of around 12 metres are forecast during the weekend. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early next week.

FITZROY RIVER:
River rises causing moderate flooding are expected during this weekend from Riverslea to Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres during the weekend and is expected to continue rising to reach 7.8 metres early next week. Higher levels are possible given forecast rainfall. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Theodore	peak around 13.2 metres overnight Friday
Dawson River at Moura	peak around 12 metres during Sunday
Dawson River at Baralaba	peak around 12.2 metres early next week
Fitzroy River at Riverslea	peak around the moderate flood level of 22 metres during the weekend. Further rises are possible with forecast rainfall.
Fitzroy River at Yaamba	reach 14 metres early next week.
Fitzroy River at Rockhampton	exceed the minor flood level of 7 metres during this weekend and reach 7.8 metres early next week with further rises possible.

Next Issue:
The next warning will be issued by 11am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	4.58m falling	08:00 AM THU 09/12/10
Juandah Ck at Windamere *	1.19m steady	08:00 AM THU 09/12/10
Dawson R at Taroom *	6.38m falling	08:00 AM THU 09/12/10
Dawson R at Theodore	12.75m rising	08:00 AM THU 09/12/10
Dawson R at Moura	11.1m rising	06:15 AM THU 09/12/10
Mimosa Ck at Redcliff *	2.71m falling	08:00 AM THU 09/12/10
Dawson R at Baralaba	11m steady	06:00 AM THU 09/12/10
Dawson R at Beckers *	12.17m steady	08:00 AM THU 09/12/10
Dawson R at Knebworth *	11.94m falling	08:10 AM THU 09/12/10
Comet R at The Lake *	12.41m rising	07:10 AM THU 09/12/10
Comet R at Comet Weir *	10.39m falling	08:00 AM THU 09/12/10
Nogoa R at Craigmore #	6.11m steady	08:49 AM THU 09/12/10
Nogoa R at Fairbairn Dam HW *	1.4m falling	08:35 AM THU 09/12/10
Nogoa R at Emerald #	9.45m falling	08:49 AM THU 09/12/10
Policeman's Ck at Rubyvale #	1.05m steady	07:56 AM THU 09/12/10
Theresa Ck at Gregory Highway #	6.32m falling	08:06 AM THU 09/12/10
Mackenzie R at Bedford Weir TW #	17.51m rising	08:44 AM THU 09/12/10
Connors R at Pink Lagoon *	6.63m falling	08:00 AM THU 09/12/10
Isaac R at Yatton *	11.4m falling	08:30 AM THU 09/12/10
Mackenzie R at Tartrus *	14.39m falling	07:35 AM THU 09/12/10
Fitzroy R at Rockhampton	5.75m rising slowly	06:40 PM WED 08/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:06 AM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

Summary: Moderate to major flood levels will continue along the Dawson and Mackenzie Rivers during this weekend. Rises will continue in the Fitzroy River with levels expected to exceed the minor flood level of 7 metres at Rockhampton during Sunday and reach around 7.8 metres next week. A further forecast will be made once a peak has been observed at Riverslea. Predictions for Rockhampton may change given forecast rainfall.

CONNORS/ISAAC RIVERS:
Flood levels at Yatton are now minor and will continue to fall.

COMET RIVER:
Major flooding is continuing in the Comet River. Levels will fall gradually but will remain at major levels through the weekend.

MACKENZIE RIVER:
Moderate to major flood levels will continue on Thursday and Friday. The peak is now downstream of Coolmaringa. Flood levels between the Comet confluence and Coolmaringa will fall gradually. Any further rises are dependent on more rainfall.

DAWSON RIVER:
The flood peak is now approaching Theodore where a major flood peak of 13.2 metres is likely overnight Friday. Levels will stay high for much of the weekend at Theodore. At Moura, moderate flood levels of around 12 metres are forecast during Sunday. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early next week.

FITZROY RIVER:
River rises causing moderate flooding are expected during this weekend from Riverslea to Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres during the weekend and is expected to continue rising to reach 7.8 metres early next week. Higher levels are possible given forecast rainfall. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Theodore	peak around 13.2 metres overnight Friday.
Dawson River at Moura	peak around 12 metres during Sunday.
Dawson River at Baralaba	peak around 12.2 metres early next week.
Fitzroy River at Riverslea	peak around the moderate flood level of 22 metres during Sunday. Further rises are possible with forecast rainfall.
Fitzroy River at Yaamba	reach 14 metres during next week.

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Fitzroy River at Rockhampton   exceed the minor flood level of 7 metres
                      during Sunday and reach 7.8 metres
       early next week with further rises possible.

Next Issue:
The next warning will be issued by 11am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *         3.34m falling        08:00 AM FRI 10/12/10
Juandah Ck at Windamere *          1.06m steady         08:00 AM FRI 10/12/10
Dawson R at Taroom *               5.8m falling         08:00 AM FRI 10/12/10
Dawson R at Theodore               12.98m rising slowly 08:00 AM FRI 10/12/10
Dawson R at Moura                  11.7m rising         04:30 AM FRI 10/12/10
Mimosa Ck at Redcliff *            2.45m steady         08:00 AM FRI 10/12/10
Dawson R at Beckers *              12.33m rising        08:00 AM FRI 10/12/10
Dawson R at Knebworth *            12.24m steady        06:35 AM FRI 10/12/10
Comet R at The Lake *              11.25m falling       08:10 AM FRI 10/12/10
Comet R at Comet Weir *            9.7m falling         08:00 AM FRI 10/12/10
Nogoa R at Raymond #               2.35m steady         06:45 AM FRI 10/12/10
Nogoa R at Craigmore #             5.11m falling        08:52 AM FRI 10/12/10
Nogoa R at Fairbairn Dam HW *      1.23m falling        07:10 AM FRI 10/12/10
Nogoa R at Emerald #               8.75m falling        09:30 AM FRI 10/12/10
Policeman's Ck at Rubyvale #       1.05m rising         08:51 AM FRI 10/12/10
Theresa Ck at Gregory Highway #    5.07m falling        09:21 AM FRI 10/12/10
Mackenzie R at Bedford Weir TW #   16.55m rising        09:20 AM FRI 10/12/10
Connors R at Pink Lagoon *         5.6m falling         08:00 AM FRI 10/12/10
Isaac R at Yatton *                9.31m falling        08:20 AM FRI 10/12/10
Mackenzie R at Tartrus *           13.84m falling       06:35 AM FRI 10/12/10
Fitzroy R at Rockhampton           6.05m rising slowly  07:20 AM FRI 10/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:50 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Dawson River between Isla-Delusion
Crossing and the Beckers area. Moderate flooding is easing downstream from
Bedford Weir with a moderate flood peak approaching the Riverslea area.

River rises are causing minor to moderate flooding along the Fitzroy River with
levels at Rockhampton approaching the minor flood level of 7 metres, and reach
around 7.8 metres during next week.
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CONNORS/ISAAC RIVERS:
Flood levels at Yatton are now minor and will continue to fall.

COMET RIVER:
Major flooding is easing in the Comet River at Comet Weir with river levels expected to remain high through the weekend.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir during the weekend. River levels are approaching the moderate flood level of 21 metres in the Riverslea area with a peak expected during Sunday.

DAWSON RIVER:
Moderate to heavy rainfall has been recorded in the upper Dawson River and Juandah Creek catchments. The heaviest rainfall totals recorded to 9am Saturday include Peekadoo 61mm, Giligulgul 57mm, with rainfalls elsewhere between 25-40mm. Renewed rises are expected above Taroom during the weekend.

Major flooding extends along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. A major flood peak of 13.0 metres was recorded at 5pm Friday at Theodore with major flood levels expected to remain high during the weekend. At Moura, major flood levels of around 12 metres are nearing a peak during the weekend. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early next week.

FITZROY RIVER:
River rises causing moderate flooding are expected during the weekend between Riverslea and Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres late in the weekend with further rises expected to reach 7.8 metres during next week. Higher levels are possible given forecast rainfall. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Moura	peak around 12 metres during the weekend.
Dawson River at Baralaba	peak around 12.2 metres early next week.
Fitzroy River at Riverslea	peak around the moderate flood level of 21 metres during Sunday.
Fitzroy River at Yaamba	reach 14 metres during next week.
Fitzroy River at Rockhampton	exceed the minor flood level of 7 metres late in the weekend and reach 7.8 metres during next week.

Predictions for Rockhampton will be updated once a peak at Riverslea has been observed.

Next Issue:
The next warning will be issued by 11am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.20m rising	09:00 AM SAT 11/12/10
Juandah Ck at Windamere *	3.64m steady	09:31 AM SAT 11/12/10
Dawson R at Taroom *	4.76m falling	09:00 AM SAT 11/12/10
Dawson R at Theodore	12.92m steady	10:00 AM SAT 11/12/10
Dawson R at Moura	12.05m rising slowly	06:00 AM SAT 11/12/10
Mimosa Ck at Redcliff *	2.26m steady	09:00 AM SAT 11/12/10

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Dawson R at Baralaba              11.55m rising slowly  09:00 AM SAT 11/12/10
Dawson R at Beckers *             12.63m rising         08:00 AM SAT 11/12/10
Dawson R at Knebworth *           12.47m rising         08:05 AM SAT 11/12/10
Comet R at The Lake *              9.91m falling        09:00 AM SAT 11/12/10
Comet R at Comet Weir *            8.76m falling        09:00 AM SAT 11/12/10
Nogoa R at Raymond #               2.55m rising         10:04 AM SAT 11/12/10
Nogoa R at Craigmore #             4.26m falling        09:41 AM SAT 11/12/10
Nogoa R at Fairbairn Dam HW *      1.07m steady         07:15 AM SAT 11/12/10
Nogoa R at Emerald #               8.10m falling        09:37 AM SAT 11/12/10
Policeman's Ck at Rubyvale #       1.00m falling        10:03 AM SAT 11/12/10
Theresa Ck at Gregory Highway #    3.02m falling        09:46 AM SAT 11/12/10
Mackenzie R at Bedford Weir TW #  15.52m falling        08:37 AM SAT 11/12/10
Connors R at Pink Lagoon *         4.41m falling        09:00 AM SAT 11/12/10
Isaac R at Yatton *                7.72m falling        08:00 AM SAT 11/12/10
Mackenzie R at Tartrus *          13.11m falling        06:35 AM SAT 11/12/10
Fitzroy R at Riverslea *          20.48m rising slowly  09:00 AM SAT 11/12/10
Fitzroy R at Rockhampton           6.30m rising slowly  05:35 AM SAT 11/12/10

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:28 PM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels should be expecetd along Juandah Creek overnight and during
Sunday. Major flooding continues along the lower Dawson River between
Isla-Delusion Crossing and the Beckers area. Moderate flooding is easing
downstream from Bedford Weir with a moderate flood peak approaching the
Riverslea area.

River rises are causing minor to moderate flooding along the Fitzroy River with
levels at Rockhampton approaching the minor flood level of 7 metres, and reach
around 7.8 metres during next week.

COMET RIVER:
Major flooding is continuing in the Comet River at Comet Weir with river levels
expected to remain high with renewed rises through the weekend. At this stage,
levels are not expected to reach the levels of last weekend although rainfall is
continuing.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir
during the weekend. Further rises are expected next week. River levels are
approaching the moderate flood level of 21 metres in the Riverslea area with a
peak expected during Sunday.
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DAWSON RIVER:
Renewed rises are occurring in the Dawson Creek catchment above Taroom. Major flood levels are forecast at Windemere along Juandah Creek overnight. A peak of around 10 metres is expected. Further rises are possible with further rainfall. A return to at least moderate flood levels should be expected at Taroom next week.

Major flooding extends along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. Major flood levels at Theodore will remain through this weekend. At Moura, major flood levels of around 12 metres are nearing a peak during the weekend. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early next week. Levels will fall and rise again next week with a second flood peak expected. Forecasts will be made once a peak has been observed at Taroom.

FITZROY RIVER:
River rises causing moderate flooding are expected during the weekend between Riverslea and Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres late in the weekend with further rises expected to reach 7.8 metres during next week. Higher levels are possible given forecast rainfall. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Taroom	reach at least 6.5 metres early next week.
Dawson River at Moura	peak around 12 metres during the weekend.
Dawson River at Baralaba	peak around 12.2 metres early next week.
Fitzroy River at Riverslea	peak around the moderate flood level of 21 metres during Sunday.
Fitzroy River at Yaamba	reach 14 metres during next week.
Fitzroy River at Rockhampton	exceed the minor flood level of 7 metres late in the weekend and reach 7.8 metres during next week.

Predictions for Rockhampton will be updated once a peak at Riverslea has been observed.

Next Issue:
The next warning will be issued by 11am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.17m rising	05:31 PM SAT 11/12/10
Juandah Ck at Windamere *	8.94m rising	05:40 PM SAT 11/12/10
Dawson R at Taroom *	4.36m falling	05:34 PM SAT 11/12/10
Dawson R at Theodore	12.83m falling slowly	05:00 PM SAT 11/12/10
Dawson R at Moura	12.05m steady	05:00 PM SAT 11/12/10
Mimosa Ck at Redcliff *	2.22m steady	05:28 PM SAT 11/12/10
Dawson R at Baralaba	11.65m rising slowly	06:00 PM SAT 11/12/10
Dawson R at Beckers *	12.77m steady	05:00 PM SAT 11/12/10
Dawson R at Knebworth *	12.47m rising	08:05 AM SAT 11/12/10
Comet R at The Lake *	9.64m steady	04:10 PM SAT 11/12/10
Comet R at Comet Weir *	8.49m steady	05:14 PM SAT 11/12/10
Nogoa R at Raymond #	3.75m rising	05:46 PM SAT 11/12/10
Nogoa R at Craigmore #	4.16m falling	05:49 PM SAT 11/12/10

Nogoa R at Fairbairn Dam HW *	1.04m falling	01:10 PM SAT 11/12/10
Nogoa R at Emerald #	7.95m steady	05:49 PM SAT 11/12/10
Policeman's Ck at Rubyvale #	1.05m steady	04:56 PM SAT 11/12/10
Theresa Ck at Gregory Highway #	2.82m steady	04:31 PM SAT 11/12/10
Mackenzie R at Bedford Weir TW #	15.08m rising	05:34 PM SAT 11/12/10
Connors R at Pink Lagoon *	4.14m falling	05:00 PM SAT 11/12/10
Isaac R at Yatton *	7.19m falling	05:00 PM SAT 11/12/10
Mackenzie R at Tartrus *	13.11m falling	06:35 AM SAT 11/12/10
Fitzroy R at Rockhampton	6.6m rising slowly	06:00 PM SAT 11/12/10

*automatic station

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:20 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring along Juandah Creek. Major flooding continues
along the lower Dawson River between Isla-Delusion Crossing and the Beckers
area. Moderate flooding is easing downstream from Bedford Weir with further
rises possible at Riverslea.

River rises are causing minor to moderate flooding along the Fitzroy River with
levels at Rockhampton approaching the minor flood level of 7 metres, and reach
around 7.8 metres during next week.

CONNORS/ISAAC CATCHMENT
Heavy rainfall overnight has led to renewed rises throughout the Connors/Isaac
system. Moderate flood levels are forecast along the Isaac River at Deverill and
Yatton. Moderate flood levls are also likely along the Connors River at Pink
Lagoon. At this stage major flood levels are not forecast although rainfall is
continuing.

COMET RIVER:
Major flooding is continuing in the Comet River at Comet Weir with river levels
expected to remain high with renewed rises likely after weekend rainfall. Levels
are not expected to reach the levels of last weekend.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir
during the weekend. Further rises are expected this week. River levels are
approaching the moderate flood level of 21 metres in the Riverslea area. An
initial peak has been observed although renewed rises are possible following
heavy weekend rainfall in the area.

DAWSON RIVER:
Renewed rises are occurring in the Dawson Creek catchment above Taroom. Major

flood levels are occurring along Juandah Creek. A return to flood levels of around 7 metres shoudl be expected at Taroom this week.

Major flooding extends along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. Major flood levels at Theodore will remain through this weekend. At Moura, major flood levels of around 12 metres are nearing a peak. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early next week. Levels will fall and rise again next week with a second flood peak expected. Forecasts will be made once a peak has been observed at Taroom.

Downstream of The Don River confluence, river levels at Newlands are rising fast following weekend rainfall.

FITZROY RIVER:
River rises causing moderate flooding are expected during the weekend between Riverslea and Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres during Monday with further rises expected to reach 7.8 metres during next week. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Taroom	reach around 7 metres early this week.
Dawson River at Moura	peak around 12 metres during Sunday.
Dawson River at Baralaba	peak around 12.2 metres early next week.
Fitzroy River at Riverslea	peak up to 22 metres this week.
Fitzroy River at Yaamba	reach 14 metres during next week.
Fitzroy River at Rockhampton	exceed the minor flood level of 7 metres during Monday and reach 7.8 metres during next week.

Predictions for Rockhampton will be updated once a peak at Riverslea has been observed.

Next Issue:
The next warning will be issued by 6pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.34m rising	09:00 AM SUN 12/12/10
Juandah Ck at Windamere *	9.41m rising	09:20 AM SUN 12/12/10
Dawson R at Taroom *	4.49m rising	09:00 AM SUN 12/12/10
Dawson R at Theodore	12.58m falling slowly	10:00 AM SUN 12/12/10
Dawson R at Moura	12.08m falling slowly	10:00 AM SUN 12/12/10
Mimosa Ck at Redcliff *	2.91m rising	09:00 AM SUN 12/12/10
Dawson R at Baralaba	11.9m rising slowly	09:00 AM SUN 12/12/10
Dawson R at Beckers *	13.14m rising	08:00 AM SUN 12/12/10
Dawson R at Knebworth *	13.17m falling	10:10 AM SUN 12/12/10
Comet R at The Lake *	9.69m steady	09:10 AM SUN 12/12/10
Comet R at Comet Weir *	8m falling	09:00 AM SUN 12/12/10
Nogoa R at Raymond #	5.05m falling	10:01 AM SUN 12/12/10
Nogoa R at Craigmore #	5.36m rising	10:20 AM SUN 12/12/10
Nogoa R at Fairbairn Dam HW *	0.95m falling	08:45 AM SUN 12/12/10
Nogoa R at Emerald #	7.6m falling	10:13 AM SUN 12/12/10
Policeman's Ck at Rubyvale #	1.05m rising	09:37 AM SUN 12/12/10
Theresa Ck at Gregory Highway #	2.52m steady	10:31 AM SUN 12/12/10

Mackenzie R at Bedford Weir TW #	14.42m steady	10:20 AM SUN 12/12/10
Connors R at Pink Lagoon *	8.31m rising	09:00 AM SUN 12/12/10
Isaac R at Yatton *	9.19m rising	08:00 AM SUN 12/12/10
Mackenzie R at Tartrus *	12.51m rising	06:10 AM SUN 12/12/10
Fitzroy R at Rockhampton	6.7m steady	08:30 AM SUN 12/12/10

*autmatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:08 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring along Juandah Creek. Major flooding continues
along the lower Dawson River between Isla-Delusion Crossing and the Beckers
area. Moderate flooding is easing downstream from Bedford Weir with further
rises possible at Riverslea.

River rises are causing minor to moderate flooding along the Fitzroy River with
levels at Rockhampton approaching the minor flood level of 7 metres, and reach
around 7.8 metres this week.

CONNORS/ISAAC CATCHMENT:
Heavy rainfall overnight has led to renewed rises throughout the Connors/Isaac
system. Moderate flood levels are forecast along the Isaac River at Deverill and
Yatton. Moderate flood levls are also likely along the Connors River at Pink
Lagoon. At this stage major flood levels are not forecast although rainfall is
continuing.

COMET RIVER:
Major flooding is continuing in the Comet River at Comet Weir with river levels
expected to remain high with renewed rises likely after weekend rainfall. Levels
are not expected to reach the levels of last weekend.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir
during the weekend. Further rises are expected this week. River levels are
approaching the moderate flood level of 21 metres in the Riverslea area. An
initial peak has been observed although renewed rises are possible following
heavy weekend rainfall in the area.

DAWSON RIVER:
Renewed rises are occurring in the Dawson Creek catchment above Taroom. Moderate
to major flood levels are occurring along Juandah Creek. A return to flood
levels of around 7 metres should be expected at Taroom this week.

Major flooding extends along the lower Dawson River between Isla-Delusion Crossing and the Beckers area. Major flood levels will remain at Theodore into Monday. At Moura, major flood levels of around 12 metres are nearing a peak. Major flood levels will continue in the Baralaba area through this weekend with a peak of around 12.2 metres expected early this week. Levels will continue to fall following an initial peak and will rise again later this week once floodwaters from the Taroom area arrive. Forecasts will be made once a peak has been observed at Taroom.

Downstream of The Don River confluence, river levels at Newlands are continue to rise following weekend rainfall.

FITZROY RIVER:
River rises causing moderate flooding are expected for the remainder of the weekend between Riverslea and Yaamba. The Fitzroy River at Rockhampton will exceed the minor flood level of 7 metres during Monday with further rises expected to reach 7.8 metres this week. A further prediction for Rockhampton will be made once a peak is observed at Riverslea.

Predicted River Heights/Flows:

Dawson River at Taroom	reach around 7 metres early this week.
Dawson River at Moura	peak around 12 metres during Sunday.
Dawson River at Baralaba	peak around 12.2 metres early this week.
Fitzroy River at Riverslea	peak up to 22 metres this week.
Fitzroy River at Yaamba	reach 14 metres during this week.
Fitzroy River at Rockhampton	exceed the minor flood level of 7 metres during Monday and reach 7.8 metres during this week.

Predictions for Rockhampton will be updated once a peak at Riverslea has been observed.

Next Issue:
The next warning will be issued by 11am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	7.7m rising	04:00 PM SUN 12/12/10
Juandah Ck at Windamere *	8.84m falling	04:00 PM SUN 12/12/10
Dawson R at Taroom *	5.24m rising	04:00 PM SUN 12/12/10
Dawson R at Theodore	12.4m falling slowly	05:00 PM SUN 12/12/10
Dawson R at Moura	12.06m falling slowly	04:15 PM SUN 12/12/10
Mimosa Ck at Redcliff *	3.57m rising	04:00 PM SUN 12/12/10
Dawson R at Baralaba	12.0m steady	06:00 PM SUN 12/12/10
Dawson R at Beckers *	13.27m steady	02:00 PM SUN 12/12/10
Dawson R at Knebworth *	13.23m falling	04:10 PM SUN 12/12/10
Comet R at The Lake *	9.69m rising	04:00 PM SUN 12/12/10
Comet R at Comet Weir *	7.82m falling	04:00 PM SUN 12/12/10
Nogoa R at Raymond #	4.85m steady	03:45 PM SUN 12/12/10
Nogoa R at Craigmore #	5.96m rising	03:09 PM SUN 12/12/10
Nogoa R at Fairbairn Dam HW *	0.93m steady	02:25 PM SUN 12/12/10
Nogoa R at Emerald #	7.45m falling	04:27 PM SUN 12/12/10
Policeman's Ck at Rubyvale #	1m steady	04:56 PM SUN 12/12/10
Theresa Ck at Gregory Highway #	2.72m rising	05:21 PM SUN 12/12/10
Mackenzie R at Bedford Weir TW #	13.95m rising	05:23 PM SUN 12/12/10
Connors R at Pink Lagoon *	9.04m steady	04:00 PM SUN 12/12/10

Isaac R at Yatton *	9.62m rising	02:20 PM SUN 12/12/10
Mackenzie R at Tartrus *	12.51m rising	06:10 AM SUN 12/12/10
Fitzroy R at Rockhampton	6.87m rising	17:30 PM SUN 12/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:19 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring along Juandah Creek. Flood levels along the Dawson river will fall and rise again this week. Renewed rises are also occurring in the Connors/Isaac River. Renewed rises should be expected along the Mackenzie although not to levels of last week.

A peak of up to 7.8 metres is expected at Rockhampton later this week.

CONNORS/ISAAC CATCHMENT:
Moderate flood levels will continue during today and Tuesday along the Isaac River at Yatton. Bee Creek is rising fast at Peak Downs Way.

COMET RIVER:
River levels at Comet Weir have fallen to minor levels. Renewed rises will occur early this week although they are expected to remain at or below 8 metres.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir during the weekend. Renewed rises should be expected along the Mackenzie although not to levels of last week. River levels have peaked in the Riversela area at 20.73 metres overnight. Further river rises are still possible however.

DAWSON RIVER:
Moderate flood levels are occurring along Juandah Creek. A flood peak of just above 7 metres should be expected at Taroom today with levels expected to fall overnight.

Moderate flood levels are falling along the middle Dawson River between Isla-Delusion Crossing and the Woodleigh area but will rise again this week. Forecasts will be made once a peak has been observed at Taroom but levels are not expected to reach the levels of last week.

At Moura, major flood levels have reached a peak of around 12 metres. Major flood levels will continue in the Baralaba area today with a peak of around 12.2 metres expected early this week.

Downstream of The Don River confluence, river levels at Newlands continue to rise following weekend rainfall.

FITZROY RIVER:
River rises causing moderate flooding are expected for the remainder of the weekend between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to peak up to 7.8 metres this week, probably on Thursday. River levels will remain above minor flood level into next week.

Predicted River Heights/Flows:

Dawson River at Taroom	peak around 7 metres on Monday.
Dawson River at Baralaba	peak around 12.2 metres early this week.
Fitzroy River at Yaamba	peak around 14.2 metres during this week.
Fitzroy River at Rockhampton	peak up to 7.8 metres late this week. Levels remaining above 7 metres into next week.

Next Issue:
The next warning will be issued by 4:30pm Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	8.88m steady	09:00 AM MON 13/12/10
Juandah Ck at Windamere *	5.16m falling	09:30 AM MON 13/12/10
Dawson R at Taroom *	7.19m rising	09:00 AM MON 13/12/10
Dawson R at Theodore	11.77m falling	10:00 AM MON 13/12/10
Dawson R at Moura	12m falling slowly	06:00 AM MON 13/12/10
Mimosa Ck at Redcliff *	3.99m falling	09:00 AM MON 13/12/10
Dawson R at Baralaba	12.1m steady	09:00 AM MON 13/12/10
Dawson R at Beckers *	13.48m rising	08:00 AM MON 13/12/10
Dawson R at Knebworth *	13.49m rising	10:10 AM MON 13/12/10
Comet R at The Lake *	10.07m rising	09:00 AM MON 13/12/10
Comet R at Comet Weir *	7.5m steady	09:00 AM MON 13/12/10
Nogoa R at Raymond #	4.3m falling	10:25 AM MON 13/12/10
Nogoa R at Craigmore #	7.31m rising	10:16 AM MON 13/12/10
Nogoa R at Fairbairn Dam HW *	0.89m steady	06:00 AM MON 13/12/10
Nogoa R at Emerald #	7.25m steady	08:48 AM MON 13/12/10
Policeman's Ck at Rubyvale #	1m rising	09:26 AM MON 13/12/10
Theresa Ck at Gregory Highway #	4.62m steady	10:31 AM MON 13/12/10
Mackenzie R at Bedford Weir TW #	12.92m steady	10:20 AM MON 13/12/10
Connors R at Pink Lagoon *	8.75m steady	09:00 AM MON 13/12/10
Isaac R at Yatton *	11.69m rising	08:00 AM MON 13/12/10
Mackenzie R at Tartrus *	12.33m rising	07:10 AM MON 13/12/10
Fitzroy R at Rockhampton	7.15m rising slowly	09:00 AM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 2:36 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring along Juandah Creek and along the Dawson River at Taroom. Flood levels along the lower Dawson river will fall and rise again this week. Renewed rises are also occurring in the Connors/Isaac River. Renewed rises should be expected along the Mackenzie although not to levels of last week.

A peak of up to 7.8 metres is expected at Rockhampton later this week.

CONNORS/ISAAC CATCHMENT:
Moderate flood levels will continue during today and Tuesday along the Isaac River at Yatton. Bee Creek is rising fast at Peak Downs Way.

COMET RIVER:
River levels at Comet Weir have fallen to minor levels. Renewed rises will occur early this week although they are expected to remain at or below 8 metres.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir during the weekend. Renewed rises should be expected along the Mackenzie although not to levels of last week. River levels have peaked in the Riversela area at 20.73 metres overnight. Further river rises are still possible however.

DAWSON RIVER:
Moderate flood levels are occurring along Juandah Creek. A flood peak of just above 7 metres should be expected at Taroom today with levels expected to fall overnight.

Moderate flood levels are falling along the middle Dawson River between Isla-Delusion Crossing and the Woodleigh area but will rise again this week. Forecasts will be made once a peak has been observed at Taroom but levels are not expected to reach the levels of last week.

At Moura, major flood levels have reached a peak of around 12 metres. Major flood levels will continue in the Baralaba area today with a peak of around 12.2 metres expected early this week.

Downstream of The Don River confluence, river levels at Newlands continue to rise following weekend rainfall.

FITZROY RIVER:
River rises causing minor to moderate flooding are expected for the remainder of the week between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to peak up to 7.8 metres this week, probably on Thursday. River levels will remain above minor flood level into next week.

Predicted River Heights/Flows:

Dawson River at Taroom	peak around 7 metres on Monday.
Dawson River at Baralaba	peak around 12.2 metres early this week.
Fitzroy River at Yaamba	peak around 14.2 metres during this week.

Fitzroy River at Rockhampton peak up to 7.8 metres late this week. Levels remaining above 7 metres into next week.

Next Issue:
The next warning will be issued by 11am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	8.84m steady	01:00 PM MON 13/12/10
Juandah Ck at Windamere *	4.14m falling	01:10 PM MON 13/12/10
Dawson R at Taroom *	7.2m steady	01:00 PM MON 13/12/10
Dawson R at The Glebe	NA	
Dawson R at Theodore	11.55m falling	02:00 PM MON 13/12/10
Dawson R at Moura	11.95m falling slowly	12:00 PM MON 13/12/10
Mimosa Ck at Redcliff *	3.79m falling	01:00 PM MON 13/12/10
Dawson R at Baralaba	12.1m steady	09:00 AM MON 13/12/10
Dawson R at Beckers *	13.51m steady	11:00 AM MON 13/12/10
Dawson R at Knebworth *	13.52m rising	01:10 PM MON 13/12/10
Comet R at The Lake *	10.22m falling	01:30 PM MON 13/12/10
Comet R at Comet Weir *	7.43m falling	01:00 PM MON 13/12/10
Nogoa R at Raymond #	4.2m falling	01:06 PM MON 13/12/10
Nogoa R at Craigmore #	7.36m steady	11:49 AM MON 13/12/10
Nogoa R at Fairbairn Dam HW *	0.89m steady	12:00 PM MON 13/12/10
Nogoa R at Emerald #	7.2m falling	12:39 PM MON 13/12/10
Policeman's Ck at Rubyvale #	1m steady	01:56 PM MON 13/12/10
Theresa Ck at Gregory Highway #	4.72m steady	01:31 PM MON 13/12/10
Mackenzie R at Bedford Weir TW #	12.72m rising	02:27 PM MON 13/12/10
Connors R at Pink Lagoon *	8.78m rising	01:00 PM MON 13/12/10
Isaac R at Yatton *	11.89m rising	11:00 AM MON 13/12/10
Mackenzie R at Tartrus *	12.33m rising	07:10 AM MON 13/12/10
Fitzroy R at Rockhampton	7.15m rising slowly	09:00 AM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:28 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Flood levels along the lower Dawson river will fall and rise again this week. Renewed rises are also occurring in the Connors/Isaac River. A peak of up to 7.8 metres is expected at Rockhampton this week.

CONNORS/ISAAC CATCHMENT:
Moderate flood levels will continue during today and Wednesday along the Connors River at Pink Lagoon and along the Isaac River at Yatton with levels forecast to

fall below minor levels by the weekend.

COMET RIVER:
River levels at Comet Weir have fallen to minor levels. A small renewed rise will occur today.

MACKENZIE RIVER:
Minor to moderate flood levels will continue to ease downstream of Comet Weir to Coolmaringa. River levels have peaked in the Riversela area at 20.73 metres overnight Sunday.

DAWSON RIVER:
Flood levels at Taroom are falling and will continue to do so. Rises are occurring in the Glebe area with a peak of around 3 metres expected at Glebe HW.

Moderate flood levels are falling along the middle Dawson River between Isla-Delusion Crossing and the Woodleigh area but will rise again. Levels at Theodore are expected to reach around 11.5 metres later in the week. Moura should expect renewed rises reaching around 11 metres during the weekend. Further forecasts will be made as upstream peaks are observed.

Major flood levels will continue in the Baralaba area today with a peak of around 12.2 metres expected early this week.

Downstream of the Don River confluence, river levels at Newlands continue to rise following weekend rainfall.

FITZROY RIVER:
River rises causing minor to moderate flooding are expected for the remainder of the week between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to peak up to 7.8 metres this week, probably on Thursday. River levels will remain above the minor flood level of 7 metres until at least 21/12/10.

Predicted River Heights/Flows:
Dawson River at Baralaba peak around 12.2 metres this week.

Fitzroy River at Yaamba peak around 14.3 metres during this week.

Fitzroy River at Rockhampton peak up to 7.8 metres late this week. Levels remaining above 7 metres into next week.

Next Issue:
The next warning will be issued by 11am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	8.06m falling	06:00 AM TUE 14/12/10
Juandah Ck at Windamere *	2.47m falling	06:00 AM TUE 14/12/10
Dawson R at Taroom *	7.03m falling	06:00 AM TUE 14/12/10
Dawson R at Theodore	10m falling	08:00 AM TUE 14/12/10
Dawson R at Moura	11.6m falling slowly	06:00 AM TUE 14/12/10
Mimosa Ck at Redcliff *	3.26m falling	06:00 AM TUE 14/12/10
Dawson R at Baralaba	12.15m rising slowly	06:00 AM TUE 14/12/10
Dawson R at Beckers *	13.61m steady	05:00 AM TUE 14/12/10
Dawson R at Knebworth *	13.71m rising	05:10 AM TUE 14/12/10
Comet R at The Lake *	9.66m falling	06:00 AM TUE 14/12/10
Comet R at Comet Weir *	7.35m steady	05:00 AM TUE 14/12/10
Nogoa R at Raymond #	4.35m steady	06:46 AM TUE 14/12/10
Nogoa R at Craigmore #	7.11m falling	07:55 AM TUE 14/12/10
Nogoa R at Fairbairn Dam HW *	0.88m steady	12:00 AM TUE 14/12/10
Nogoa R at Emerald #	7.15m steady	05:48 AM TUE 14/12/10

Policeman's Ck at Rubyvale #	0.95m rising	08:05 AM TUE 14/12/10
Theresa Ck at Gregory Highway #	5.17m steady	07:31 AM TUE 14/12/10
Mackenzie R at Bedford Weir TW #	11.92m falling	07:52 AM TUE 14/12/10
Connors R at Pink Lagoon *	9.55m rising	06:00 AM TUE 14/12/10
Isaac R at Yatton *	12.45m rising	05:00 AM TUE 14/12/10
Fitzroy R at Rockhampton	7.3m steady	08:38 PM MON 13/12/10

*automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:53 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are rising again between Glebe and Theodore along the Dawson River.
A moderate flood peak is expected at Yatton on the Isaac River within 24 hours.
A peak of up to 7.8 metres is expected at Rockhampton within 24 hours.

CONNORS/ISAAC CATCHMENT:
Moderate flood levels will continue during today and Thursday along the the
Isaac River at Yatton with levels forecast to fall below minor levels by the
weekend. River levels are expected to peak during the next 24 hours. Minor flood
levels are falling at Pink Lagoon.

MACKENZIE RIVER:
Minor flood levels will continue to ease downstream of Comet Weir to Riverslea.

DAWSON RIVER:
Flood levels at Taroom are falling and will continue to do so. Rises are
occurring in the Glebe area with a peak of just over 3.5 metres expected at
Glebe HW.

River levels are rising again at Theodore and are expected to reach at least
11.5 metres later in the week. Moura should expect further rises reaching at
least 11 metres during the weekend. Further forecasts will be made as upstream
peaks are observed. A return to the levels of last week is not expected.

Major flood levels will continue in the Baralaba area today with a peak of
around 12.2 observed in the last 24 hours. Levels will fall before rising again
during the weekend with a second peak next week of at least 9.5 metres.

Downstream of the Don River confluence, river levels at Newlands are steady.

FITZROY RIVER:
Minor to moderate flooding is expected for the remainder of the week between
Riverslea and Rockhampton. The Fitzroy River at Rockhampton is expected to peak

up to 7.8 metres during the next 24 hours. Once a peak has been observed, river levels will fall very slowly and will remain above the minor flood level of 7 metres until at least 21/12/10.

Predicted River Heights/Flows:
Dawson River at Theodore reach at least 11.5 metres late this week.

Dawson River at Moura reach at least 11 metres during the weekend.

Next Issue:
The next warning will be issued by 11am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.81m falling	08:00 AM WED 15/12/10
Juandah Ck at Windamere *	2.64m rising	08:30 AM WED 15/12/10
Dawson R at Taroom *	6.5m falling	08:00 AM WED 15/12/10
Dawson R at Theodore	9.26m rising slowly	08:00 AM WED 15/12/10
Dawson R at Moura	10.1m falling	06:00 AM WED 15/12/10
Mimosa Ck at Redcliff *	2.57m falling	08:00 AM WED 15/12/10
Dawson R at Baralaba	12m falling	06:00 AM WED 15/12/10
Dawson R at Beckers *	13.55m falling	08:00 AM WED 15/12/10
Dawson R at Knebworth *	13.77m rising	07:40 AM WED 15/12/10
Comet R at The Lake *	8.57m falling	06:00 AM WED 15/12/10
Comet R at Comet Weir *	6.93m falling	08:00 AM WED 15/12/10
Nogoa R at Raymond #	3.85m falling	08:06 AM WED 15/12/10
Nogoa R at Craigmore #	5.81m steady	08:49 AM WED 15/12/10
Nogoa R at Fairbairn Dam HW *	0.86m steady	06:00 AM WED 15/12/10
Nogoa R at Emerald #	7.1m steady	08:48 AM WED 15/12/10
Policeman's Ck at Rubyvale #	0.9m steady	07:56 AM WED 15/12/10
Theresa Ck at Gregory Highway #	3.37m falling	08:16 AM WED 15/12/10
Mackenzie R at Bedford Weir TW #	11.39m rising	08:19 AM WED 15/12/10
Connors R at Pink Lagoon *	8.39m falling	08:00 AM WED 15/12/10
Isaac R at Yatton *	13.39m rising	08:00 AM WED 15/12/10
Mackenzie R at Tartrus *	11.9m rising	06:15 AM WED 15/12/10
Fitzroy R at Rockhampton	7.60m rising slowly	10:00 AM WED 15/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:14 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are rising again between Gyranda and Theodore along the Dawson River. River levels at Rockhampton are expected to stay around the current levels of 7.6 metres for at least the next 24 hours.

ISAAC AND MACKENZIE RIVERS:
Minor flood levels will continue to ease downstream of Yackam to Riverslea. Moderate flood levels at Yatton on the Isaac River will continue to fall following a peak of 13.5 metres yesterday.

DAWSON RIVER:
Flood levels at Taroom are falling and will continue to do so. The peak is now downstream of Glebe where a peak of 3.46 was observed at The Glebe HW gauge overnight. Levels at Gyranda Weir will peak around 3 metres during Thursday morning.

River levels are rising again at Theodore and are expected to reach a peak of just over 12 metres overnight Friday. Moura should expect further rises reaching around 11.3 metres during the weekend. A return to the levels of last week is not expected.

Major flood levels will continue in the Baralaba area through the weekend although levels will fall before rising again. River levels are expected to reach at least 9.5 metres. A further forecast will be made once peaks have been observed upstream. River levels at Newlands are falling.

FITZROY RIVER:
Minor to moderate flooding is expected through the weekend between Riverslea and Rockhampton. The Fitzroy River at Rockhampton is expected to remain around current levels of 7.6 metres for at least 24 hours. River levels will fall very slowly and will remain above the minor flood level of 7 metres until at least 21/12/10.

Predicted River Heights/Flows:

Dawson River at Theodore	Peak just over 12 metres overnight Friday.
Dawson River at Moura	Peak around 11.3 metres during the weekend.

Next Issue:
The next warning will be issued by 11am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.76m falling	07:00 AM THU 16/12/10
Juandah Ck at Windamere *	1.8m falling	07:00 AM THU 16/12/10
Dawson R at Taroom *	6m falling	07:00 AM THU 16/12/10
Dawson R at Theodore	11.27m rising	08:00 AM THU 16/12/10
Dawson R at Moura	8.9m falling fast	07:00 PM WED 15/12/10
Mimosa Ck at Redcliff *	2.34m steady	07:00 AM THU 16/12/10
Dawson R at Baralaba	11.2m falling	06:00 AM THU 16/12/10
Dawson R at Beckers *	12.96m falling	05:00 AM THU 16/12/10
Dawson R at Knebworth *	13.38m falling	08:10 AM THU 16/12/10
Comet R at The Lake *	8.23m rising	07:00 AM THU 16/12/10
Comet R at Comet Weir *	6.33m falling	07:00 AM THU 16/12/10
Nogoa R at Raymond #	3.9m steady	06:45 AM THU 16/12/10
Nogoa R at Craigmore #	5.51m steady	05:49 AM THU 16/12/10
Nogoa R at Fairbairn Dam HW *	0.8m steady	06:00 AM THU 16/12/10
Nogoa R at Emerald #	6.85m falling	07:47 AM THU 16/12/10
Policeman's Ck at Rubyvale #	0.95m steady	07:56 AM THU 16/12/10
Theresa Ck at Gregory Highway #	2.72m falling	08:26 AM THU 16/12/10
Mackenzie R at Bedford Weir TW #	10.92m falling	07:55 AM THU 16/12/10

Connors R at Pink Lagoon *	6.03m falling	07:00 AM THU 16/12/10
Isaac R at Yatton *	13.45m falling	05:00 AM THU 16/12/10
Mackenzie R at Tartrus *	11.37m falling	08:05 AM THU 16/12/10
Fitzroy R at Rockhampton	7.6m steady	06:45 AM THU 16/12/10

*Automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS
Issued at 9:01 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are rising again between Theodore and Moura along the Dawson River. River levels at Rockhampton are expected to fall extremely slowly through the weekend. Minor flood levels will continue to ease downstream of Bedford Weir to Riverslea on the Mackenzie River. Moderate flood levels at Yatton on the Isaac River will continue to fall.

DAWSON RIVER:
Moderate flood levels continue in the Glebe and Gyranda areas with levels now falling.

River levels at Theodore have reached the major flood level of 12 metres. A peak is expected tonight of around 12.3 metres. Moura should expect further rises reaching around 11.3 metres during the weekend. Upstream levels are significantly lower than last weeks peak heights.

Major flood levels will continue in the Baralaba area through the weekend with levels rising again. River levels are expected to reach around 10.5 metres next week. River levels at Newlands are falling with a renewed rise next week.

FITZROY RIVER:
Minor to moderate flooding will continue through the weekend between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until at least Tuesday.

Predicted River Heights/Flows:

Dawson River at Theodore	Peak around 12.3 metres overnight Friday.
Dawson River at Moura	Peak around 11.3 metres during the weekend.
Dawson River at Baralaba	Peak around 10.5 metres next week.

Next Issue:

The next warning will be issued by 11am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.22m rising	05:00 AM FRI 17/12/10
Juandah Ck at Windamere *	1.5m steady	05:00 AM FRI 17/12/10
Dawson R at Taroom *	5.33m falling	05:00 AM FRI 17/12/10
Dawson R at Theodore	12.02m rising slowly	08:05 AM FRI 17/12/10
Dawson R at Moura	9.9m rising	06:00 AM FRI 17/12/10
Mimosa Ck at Redcliff *	2.14m steady	05:00 AM FRI 17/12/10
Dawson R at Baralaba	9.95m falling	06:00 AM FRI 17/12/10
Dawson R at Beckers *	11.61m falling	05:00 AM FRI 17/12/10
Dawson R at Knebworth *	12.44m falling	07:10 AM FRI 17/12/10
Isaac R at Yatton *	12.14m falling	05:20 AM FRI 17/12/10
Fitzroy R at Rockhampton	7.5m steady	06:00 AM FRI 17/12/10

*automatic station

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS
Issued at 10:57 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

Overnight thunderstorms have caused steady rises in the Upper Dawson River and Juandah Creek with minor flooding at Windamere. Moderate flooding continues on the Dawson River from Glebe to Moura with the flood peak currently in the Woodleigh area. Major flooding continues on the Dawson River in the Baralaba area.

Overnight thunderstorms have also caused steady rises in Sandy Creek at Clermont. Further rises are expected along Sandy and Theresa Creeks but levels are expected to remain below minor.

River levels at Rockhampton have eased to minor and will continue to fall slowly over the weekend. Minor flood levels will continue to ease downstream of Bedford Weir to Riverslea on the Mackenzie River. Moderate flood levels at Yatton on the Isaac River will continue to fall.

DAWSON RIVER:

Overnight thunderstorms over the Upper Dawson River and Juandah Creek have caused steady rises and minor flooding at Windamere on Juandah Creek. Further rises and minor to moderate flooding is expected downstream to Taroom during the weekend and early next week.

Moderate flood levels continue from Glebe to Moura with the flood peak in the Woodleigh area. Theodore peaked overnight at 12.1 metres and is now steadily

falling. At 5am Saturday the river level at Moura was 11.0 metres and rising and is expected to rise further to around 11.3 metres during the weekend.

Major flood levels will continue in the Baralaba area through the weekend with levels rising again. River levels are expected to reach around 10.5 to 11.0 metres next week. River levels at Newlands have fallen to minor but renewed rises to moderate flood levels are expected next week.

FITZROY RIVER:
Minor to moderate flooding will continue through the weekend between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until at least Tuesday.

Predicted River Heights/Flows:

Dawson River at Moura — Peak around 11.3 metres during the weekend.

Dawson River at Baralaba — Peak around 10.5 to 11.0 metres next week.

Weather Forecast:
Scattered showers and thunderstorms.

Next Issue:
The next warning will be issued by 11am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.91m falling	08:00 AM SAT 18/12/10
Juandah Ck at Windamere *	5.46m rising	08:00 AM SAT 18/12/10
Dawson R at Taroom *	4.23m falling	08:00 AM SAT 18/12/10
Dawson R at Theodore	11.98m falling slowly	09:00 AM SAT 18/12/10
Dawson R at Moura	11m rising slowly	05:20 AM SAT 18/12/10
Mimosa Ck at Redcliff *	1.97m steady	08:00 AM SAT 18/12/10
Dawson R at Baralaba	9.9m rising	09:00 AM SAT 18/12/10
Dawson R at Beckers *	10.91m rising	08:00 AM SAT 18/12/10
Dawson R at Knebworth *	11.02m rising	09:05 AM SAT 18/12/10
Isaac R at Yatton *	9.67m falling	08:00 AM SAT 18/12/10
Fitzroy R at Rockhampton	7.4m falling slowly	09:08 AM SAT 18/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:06 AM on Sunday the 19th of December 2010

by the Bureau of Meteorology, Brisbane.

Heavy rainfall continues over the Fitzroy Basin with renewed rises occurring along the Comet, Dawson, Connors and Isaac rivers. A return to moderate flood level is likely at Taroom today. Moderate flooding continues on the Dawson River from Theodore to Moura with the flood peak currently in the Moura area. Major flooding continues on the Dawson River in the Baralaba area. Fast rises are occurring along the Connors and Isaac Rivers.

CONNORS/ISAAC RIVER SYSTEM
Heavy rainfall overnight is resulting in fast river level rises along the Isaac River. Minor flooding is occurring at Goonyella with at least moderate flood levels expected during Sunday morning. Fast level rises should be expected downstream to Deverill through today and at Yatton during this week where a return to at least moderate flood levels is forecast. Further foreacsts will be made once upstream peaks have been observed.

Fast rises are also occurring along Bee Creek and along the Connors River at Mt Bridget. River levels at Pink Lagoon should be expected to rise again.

COMET RIVER

Renewed rises are occurring along the Comet River with a return to at least minor flood levels expected at Comet Weir this week.

DAWSON RIVER

Minor flood levels are rising at Taroom. At least moderate flood levels should be expected later today with further rises likely as rainfall continues.

Moderate flood levels continue from Theodore to Moura with the flood peak in the Moura area. At 6am Sunday, the river level at Moura was 11.4 metres and is expected to fall later today. River levels will fall and rise again this week from Glebe to Baralaba as a third flood peak travels down the Dawson from Taroom. Forecasts will be made once a peak is observed at Taroom.

Major flood levels will continue in the Baralaba area into Monday. River levels are expected to reach around 11.0 metres next week. River levels at Newlands have fallen to minor but renewed rises to moderate flood levels are expected this week.

FITZROY RIVER

Minor to moderate flooding will continue into Monday between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until at least Tuesday.

Predicted River Heights/Flows:

Dawson River at Baralaba and Peak around 11.0 metres this week before falling rising again.

Next Issue:
The next warning will be issued by 5:30pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.29m rising	08:36 AM SUN 19/12/10
Juandah Ck at Windamere *	8.42m steady	08:06 AM SUN 19/12/10
Dawson R at Taroom *	4.98m rising	08:28 AM SUN 19/12/10

Dawson R at Theodore	11.27m falling slowly	09:00 AM SUN 19/12/10
Dawson R at Moura	11.4m rising slowly	06:00 AM SUN 19/12/10
Mimosa Ck at Redcliff *	2.07m steady	08:00 AM SUN 19/12/10
Dawson R at Baralaba	10.65m rising	09:00 AM SUN 19/12/10
Dawson R at Beckers *	11.49m rising	08:00 AM SUN 19/12/10
Dawson R at Knebworth *	10.93m falling	08:10 AM SUN 19/12/10
Comet R at The Lake *	7.62m rising	08:00 AM SUN 19/12/10
Comet R at Comet Weir *	4.73m falling	08:00 AM SUN 19/12/10
Nogoa R at Raymond #	4.7m rising	09:19 AM SUN 19/12/10
Nogoa R at Craigmore #	5.91m rising	09:10 AM SUN 19/12/10
Nogoa R at Fairbairn Dam HW *	0.66m rising	08:30 AM SUN 19/12/10
Nogoa R at Emerald #	6.15m steady	08:47 AM SUN 19/12/10
Policeman's Ck at Rubyvale #	1.05m rising	09:25 AM SUN 19/12/10
Theresa Ck at Gregory Highway #	1.57m steady	07:31 AM SUN 19/12/10
Mackenzie R at Bedford Weir TW #	9.12m rising	09:06 AM SUN 19/12/10
Connors R at Pink Lagoon *	3.03m steady	08:00 AM SUN 19/12/10
Isaac R at Yatton *	7.07m falling	08:20 AM SUN 19/12/10
Mackenzie R at Tartrus *	8.1m rising	06:40 AM SUN 19/12/10
Fitzroy R at Rockhampton	7.4m falling slowly	03:53 PM SAT 18/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 5:54 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall continues over the Fitzroy Basin with renewed rises occurring
along the Comet, Dawson, Connors and Isaac rivers. A return to moderate flood
level is likely at Taroom today. Moderate flooding continues on the Dawson River
from Theodore to Moura with the flood peak currently in the Moura area. Major
flooding continues on the Dawson River in the Baralaba area.

CONNORS/ISAAC RIVER SYSTEM
Heavy rainfall has continued during Sunday and river level rises are continuing
along the Isaac River. Moderate flooding is occurring at Goonyella and is
expected this evening at Deverill and at Yatton this week. Further forecasts
will be made once upstream peaks have been observed.

Fast rises are also continuing this evening along Bee Creek and along the
Connors River at Mt Bridget. River levels at Pink Lagoon should be expected to
rise again with minor, possibly moderate levels forecast.

Further rainfall is forecast for the area tonight.

COMET RIVER

Renewed rises are occurring along the Comet River with a return to major flood levels expected from Rolleston to Comet Weir this week.

DAWSON RIVER

Minor flood levels are rising at Taroom. River levels are forecast to reach around 7 metres again early this week.

Moderate flood levels continue from Theodore to Moura with the flood peak in the Moura area. At 6am Sunday, the river level at Moura was 11.4 metres and is expected to fall later today. River levels will fall and rise again this week from Glebe to Baralaba as a third flood peak travels down the Dawson from Taroom. Forecasts will be made once a peak is observed at Taroom.

Major flood levels will continue in the Baralaba area into Monday. River levels are expected to reach around 11.0 metres next week. River levels at Newlands have fallen to minor but renewed rises to moderate flood levels are expected this week.

FITZROY RIVER

Minor to moderate flooding will continue into Monday between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until at least Tuesday.

Predicted River Heights/Flows:

Dawson River at Baralaba Peak around 11.0 metres this week before falling and rising again.

Next Issue:
The next warning will be issued by 11:30am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	7.82m rising	04:00 PM SUN 19/12/10
Juandah Ck at Windamere *	8.57m rising	04:00 PM SUN 19/12/10
Dawson R at Taroom *	5.83m rising	04:00 PM SUN 19/12/10
Dawson R at Theodore	10.8m falling slowly	05:00 PM SUN 19/12/10
Dawson R at Moura	11.3m falling slowly	11:00 AM SUN 19/12/10
Mimosa Ck at Redcliff *	2.13m rising	04:00 PM SUN 19/12/10
Dawson R at Baralaba	10.8m rising	03:00 PM SUN 19/12/10
Dawson R at Beckers *	11.74m rising	02:41 PM SUN 19/12/10
Dawson R at Knebworth *	11.14m rising	04:00 PM SUN 19/12/10
Comet R at The Lake *	8.28m steady	04:00 PM SUN 19/12/10
Comet R at Comet Weir *	4.56m falling	02:46 PM SUN 19/12/10
Nogoa R at Raymond #	5.9m rising	05:22 PM SUN 19/12/10
Nogoa R at Craigmore #	6.36m rising	05:06 PM SUN 19/12/10
Nogoa R at Fairbairn Dam HW *	0.64m steady	12:00 PM SUN 19/12/10
Nogoa R at Emerald #	6.05m falling	03:33 PM SUN 19/12/10
Policeman's Ck at Rubyvale #	1.05m rising	05:11 PM SUN 19/12/10
Theresa Ck at Gregory Highway #	1.57m steady	04:31 PM SUN 19/12/10
Mackenzie R at Bedford Weir TW #	9.39m steady	05:06 PM SUN 19/12/10
Connors R at Pink Lagoon *	3.58m rising	04:00 PM SUN 19/12/10
Isaac R at Yatton *	6.48m falling	02:00 PM SUN 19/12/10
Mackenzie R at Tartrus *	8.1m rising	06:40 AM SUN 19/12/10
Fitzroy R at Rockhampton	7.3m steady	03:56 PM SUN 19/12/10

A*automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:30 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall over the Fitzroy Basin has produced renewed rises along the Comet, Dawson, Connors and Isaac Rivers. Major flooding continues on the Dawson River in the Baralaba area. Renewed rises and moderate to major flooding are expected downstream of the Taroom area during this week. Minor to moderate flooding continues to rise in the lower Connors River at Pink Lagoon and in the Isaac River at Yatton.

CONNORS/ISAAC RIVER SYSTEM:
Heavy rainfall has now eased with river level rises continuing downstream of Deverill in the Isaac River and in the Connors River at Pink Lagoon. Moderate flooding has peaked at Deverill with moderate flood levels forecast to reach at least 13 metres at Yatton during this week.

COMET RIVER:
Renewed rises and minor flooding are occurring in the Comet River at The Lake. A return to major flood levels is expected between the Lake and Comet Weir during this week.

DAWSON RIVER:
Major flood levels continue to rise at Taroom with river levels forecast to peak just over 7 metres during Tuesday.

Minor flood levels continue to ease from Theodore to Moura with the flood peak now downstream of the Moura area. River levels at Theodore are expected to record river level rises as a result of local rainfall. River levels will fall and rise again this week from Glebe to Baralaba as a third flood peak travels down the Dawson River from the Taroom area. Forecasts will be made once a peak is observed at Taroom.

Major flooding is expected to continue in the Baralaba area into Monday. River levels are expected to record a peak of around 11.0 metres during the next 24 hours. Renewed river level rises causing moderate flooding are occurring at Newlands. River levels between Baralaba and Newlands are expected to fall this week before renewed rises next week.

FITZROY RIVER:
Minor to moderate flooding will continue for the next few days between Riverslea and Rockhampton with levels falling very slowly. River levels will remain above the minor flood level of 7 metres until later today.

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Predicted River Heights/Flows:
Dawson River:

Taroom       Peak around 7.2 metres during Tuesday

Baralaba     Peak around 11.0 metres this week before
  falling and rising again.

Isaac River:

Yatton       Reach at least 13 metres this week.

Next Issue:
The next warning will be issued by 11:30am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *       10.01m rising         08:00 AM MON 20/12/10
Juandah Ck at Windamere *         8.76m steady         08:00 AM MON 20/12/10
Dawson R at Taroom *              6.97m rising         08:00 AM MON 20/12/10
Dawson R at Theodore              9.70m falling slowly 09:00 AM MON 20/12/10
Dawson R at Moura                11.00m falling slowly 06:10 AM MON 20/12/10
Mimosa Ck at Redcliff *           3.49m rising         08:00 AM MON 20/12/10
Dawson R at Baralaba             11.05m steady         09:00 AM MON 20/12/10
Dawson R at Beckers *            12.19m rising         08:00 AM MON 20/12/10
Dawson R at Knebworth *          11.72m falling        08:10 AM MON 20/12/10
Comet R at The Lake *            10.26m steady         07:10 AM MON 20/12/10
Comet R at Comet Weir *           4.56m falling        08:00 AM MON 20/12/10
Nogoa R at Raymond #              6.85m rising         09:13 AM MON 20/12/10
Nogoa R at Craigmore #            8.21m rising         09:27 AM MON 20/12/10
Nogoa R at Fairbairn Dam HW *     0.66m steady         06:00 AM MON 20/12/10
Nogoa R at Emerald #              6.15m steady         08:47 AM MON 20/12/10
Policeman's Ck at Rubyvale #      1.00m falling        08:37 AM MON 20/12/10
Theresa Ck at Gregory Highway #   3.12m steady         07:31 AM MON 20/12/10
Mackenzie R at Bedford Weir TW #  9.56m rising         08:15 AM MON 20/12/10
Connors R at Pink Lagoon *        8.53m rising         05:30 AM MON 20/12/10
Isaac R at Yatton *               7.10m steady         08:41 AM MON 20/12/10
Mackenzie R at Tartrus *          7.73m rising         06:45 AM MON 20/12/10
Fitzroy R at Rockhampton          7.10m falling        06:30 AM MON 20/12/10

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:56 AM on Tuesday the 21st of December 2010
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by the Bureau of Meteorology, Brisbane.

Heavy rainfall over the Fitzroy Basin has produced renewed rises along the Comet, Dawson, Connors and Isaac Rivers. Major flooding continues on the Dawson River in the Baralaba area. Major flooding is occurring or expected along the Comet River this week. Renewed rises and moderate to major flooding are expected downstream of the Taroom area during this week. Minor to moderate flooding is approaching a peak in the lower Connors River at Pink Lagoon and is rising in the Isaac River at Yatton.

CONNORS/ISAAC RIVER SYSTEM:
River level rises have peaked in the upper Isaac River in the Deverill area and are peaking in the Connors River at Pink Lagoon. Moderate flood levels continue to rise in the Yatton area with levels forecast to peak around 14 metres during this week.

COMET RIVER:
Renewed rises causing major flooding are occurring in the Comet River at The Lake. A return to major flood levels is expected between the Lake and Comet Weir during this week.

DAWSON RIVER:
Major flood levels have peaked around 7 metres at Taroom and will continue easing during Tuesday.

Minor flood levels continue between Theodore and Moura with the flood peak now downstream of the Moura area. River levels at Theodore are recording some renewed rises as a result of local rainfall. River levels will fall and rise again this week from Glebe to Baralaba as a third flood peak travels down the Dawson River from the Taroom area. Forecasts will be made once a peak is observed at The Glebe.

Major flooding is expected to continue in the Baralaba area into Wednesday with river levels approaching a peak of around 11 metres. Moderate flooding continues at Newlands. River levels between Baralaba and Newlands are expected to fall this week before with renewed rises next week.

FITZROY RIVER:
Minor to moderate flooding will continue to ease at The Gap and Yaamba.

Predicted River Heights/Flows:
Dawson River:

Baralaba Peak around 11.0 metres this week before
  falling and rising again.

Isaac River:

Yatton Peak around 14 metres this week.

Next Issue:
The next warning will be issued by 11:30am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	10.91m steady	08:00 AM TUE 21/12/10
Juandah Ck at Windamere *	5.37m falling	08:30 AM TUE 21/12/10
Dawson R at Taroom *	7.03m steady	08:00 AM TUE 21/12/10
Dawson R at Theodore	10.21m rising slowly	09:00 AM TUE 21/12/10
Dawson R at Moura	9.9m falling	06:30 AM TUE 21/12/10
Mimosa Ck at Redcliff *	2.85m falling	08:00 AM TUE 21/12/10
Dawson R at Baralaba	11.2m rising slowly	06:00 AM TUE 21/12/10

Dawson R at Beckers *	12.45m rising	08:00 AM TUE 21/12/10
Dawson R at Knebworth *	12.18m rising	08:10 AM TUE 21/12/10
Comet R at The Lake *	12.15m falling	08:00 AM TUE 21/12/10
Comet R at Comet Weir *	4.88m rising	08:00 AM TUE 21/12/10
Nogoa R at Raymond #	7.9m rising	08:56 AM TUE 21/12/10
Nogoa R at Craigmore #	10.16m steady	08:49 AM TUE 21/12/10
Nogoa R at Fairbairn Dam HW *	0.77m rising	08:05 AM TUE 21/12/10
Nogoa R at Emerald #	6.4m steady	08:47 AM TUE 21/12/10
Policeman's Ck at Rubyvale #	0.95m falling	09:31 AM TUE 21/12/10
Theresa Ck at Gregory Highway #	7.52m rising	09:31 AM TUE 21/12/10
Mackenzie R at Bedford Weir TW #	8.56m falling	09:31 AM TUE 21/12/10
Connors R at Pink Lagoon *	10.13m steady	08:00 AM TUE 21/12/10
Isaac R at Yatton *	10.72m rising	08:00 AM TUE 21/12/10
Mackenzie R at Tartrus *	8.19m steady	08:05 AM TUE 21/12/10
Fitzroy R at Rockhampton	6.7m falling	07:30 AM TUE 21/12/10

*,# from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE DAWSON, ISAAC AND COMET RIVERS
Issued at 10:16 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Dawson river levels are rising again between The Glebe and Moura. Moderate flood levels are expected along the Comet River this week. A peak is expected at Yatton along the Isaac River during Thursday.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flood levels have peaked along the Connors River at Pink Lagoon. Moderate flood levels continue to rise in the Yatton area with levels forecast to peak around 13 metres in the next 36 hours.

COMET RIVER:
Renewed rises causing major flooding are occurring in the Comet River at The Lake. A return to moderate flood levels is expected at Comet Weir during Thursday and Friday.

DAWSON RIVER:
Moderate flood levels will continue to fall slowly at Taroom.

River levels are rising again between Taroom and Moura. A third flood peak is currently approaching the Glebe area where a peak of just under 4 metres is expected in the next 24 hours. At Theodore, a peak of around 12.7 is forecast for Saturday. At Moura levels are expected to reach around 11.5 metres on Monday.

Major flooding is easing at Baralaba and but will rise again next week to around 11 metres. Flood levels at Newlands will fall over the weekend before rising again next week.

FITZROY RIVER:
Minor flooding will continue to ease at The Gap and Yaamba.

Predicted River Heights/Flows:
Dawson River:

Theodore: Peak around 12.7 metres on Saturday.

Moura: Peak around 11.5 metres on Monday.

Isaac River:

Yatton Peak around 14 metres this week.

Next Issue:
The next warning will be issued by 11:30am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	9.28m falling	08:00 AM WED 22/12/10
Juandah Ck at Windamere *	2.4m falling	08:00 AM WED 22/12/10
Dawson R at Taroom *	6.89m steady	08:00 AM WED 22/12/10
Dawson R at Theodore	10.98m rising slowly	09:00 AM WED 22/12/10
Dawson R at Moura	9.35m steady	07:00 AM WED 22/12/10
Mimosa Ck at Redcliff *	2.2m falling	08:00 AM WED 22/12/10
Dawson R at Baralaba	10.9m falling	09:00 AM WED 22/12/10
Dawson R at Beckers *	12.35m falling	08:00 AM WED 22/12/10
Dawson R at Knebworth *	12.31m falling	08:10 AM WED 22/12/10
Comet R at The Lake *	12.27m rising	08:20 AM WED 22/12/10
Comet R at Comet Weir *	6.09m rising	08:00 AM WED 22/12/10
Nogoa R at Raymond #	7.6m falling	08:52 AM WED 22/12/10
Nogoa R at Craigmore #	10.56m steady	08:48 AM WED 22/12/10
Nogoa R at Fairbairn Dam HW *	1.08m rising	08:25 AM WED 22/12/10
Nogoa R at Emerald #	7.55m rising	09:04 AM WED 22/12/10
Policeman's Ck at Rubyvale #	1m rising	08:13 AM WED 22/12/10
Theresa Ck at Gregory Highway #	7.07m falling	09:06 AM WED 22/12/10
Mackenzie R at Bedford Weir TW #	8.79m rising	09:26 AM WED 22/12/10
Connors R at Pink Lagoon *	9.85m falling	08:00 AM WED 22/12/10
Isaac R at Yatton *	12.2m rising	08:00 AM WED 22/12/10
Mackenzie R at Tartrus *	8.63m falling	06:35 AM WED 22/12/10
Fitzroy R at Rockhampton	6.1m falling	06:33 AM WED 22/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 10:49 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy overnight rainfall has led to sharp rises along the Dawson and Comet Rivers. Major flood levels will rise between Gyranda Weir and Baralaba during Friday and into the weekend.

CONNORS/ISAAC RIVER SYSTEM:
Minor flood levels are falling at Pink Lagoon. Moderate flood levels continue to rise in the Yatton area with levels forecast to peak around 14 metres today.

COMET RIVER:
Heavy rainfall overnight will lead to increased levels along the Comet River. Fast rises are being observed at The Lake and a major flood level of at least 9.5 metres is expected at Comet Weir over the weekend.

MACKENZIE RIVER
Minor to moderate flood levels are expected over the weekend and through next week. Further predictions will be made once upstream peaks are observed.

DAWSON RIVER:
At this stage, moderate flood levels will continue to fall at Taroom although further rainfall is forecast for the area.

Heavy rainfall has been recorded over a large part of the Dawson catchment overnight. River levels are rising sharply between Gyranda Weir and Isla Delusion Crossing. Sharp rises should be expected at Theodore today with a peak of at least 13.2 metres early Friday. Higher levels are possible. A further predictions will be made as more data become available.

Fast river level rises will occur downstream to Moura in the next 24 hours. A peak at Moura of 12.2 metres is likely overnight Friday. Further rises are possible.

Sharp rises are being observed along Mimosa Creek at Redcliffe with major flood levels of at least 7 metres predicted with further rises possible. Fast rises will occur at Karamea today.

Major flooding is continuing at Baralaba. Fast river level rises are expected during Friday with a peak of at least 13 metres expected over the weekend. Higher levels are possible. Further forecasts will be made as peaks are observed upstream.

Minor flood levels are likely in the Don River at Rannes. Fast rises are expected between Newlands and the Duaringa area over the weekend.

FITZROY RIVER:
River levels will rise again over the weekend and through next week with minor flood levels continuing at The Gap and Yaamba.

Predicted River Heights/Flows:
Dawson River:

Theodore: Reach at least 13.2 metres during Friday.

Moura: Reach at least 12.2 metres overnight Friday.

Baralaba: Reach at least 13 metres over the weekend.

Next Issue:
The next warning will be issued by 2:30pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.7m falling	08:00 AM THU 23/12/10
Juandah Ck at Windamere *	1.89m steady	08:26 AM THU 23/12/10
Dawson R at Taroom *	6.57m steady	08:00 AM THU 23/12/10
Dawson R at Theodore	12.31m rising	09:00 AM THU 23/12/10
Dawson R at Moura	9.45m rising	03:15 PM WED 22/12/10
Mimosa Ck at Redcliff *	5.01m rising	08:30 AM THU 23/12/10
Dawson R at Baralaba	11m rising	09:00 AM THU 23/12/10
Dawson R at Beckers *	12.37m rising	08:00 AM THU 23/12/10
Dawson R at Knebworth *	12.76m falling	08:05 AM THU 23/12/10
Comet R at The Lake *	12.58m steady	08:10 AM THU 23/12/10
Comet R at Comet Weir *	7.14m steady	08:04 AM THU 23/12/10
Nogoa R at Raymond #	6.05m rising	09:30 AM THU 23/12/10
Nogoa R at Craigmore #	10.21m steady	08:48 AM THU 23/12/10
Nogoa R at Fairbairn Dam HW *	1.47m rising	07:35 AM THU 23/12/10
Nogoa R at Emerald #	9m rising	09:24 AM THU 23/12/10
Policeman's Ck at Rubyvale #	1.05m steady	07:56 AM THU 23/12/10
Theresa Ck at Gregory Highway #	5.07m falling	09:26 AM THU 23/12/10
Mackenzie R at Bedford Weir TW #	11.05m rising	09:27 AM THU 23/12/10
Connors R at Pink Lagoon *	7.13m falling	08:00 AM THU 23/12/10
Isaac R at Yatton *	13.77m rising	08:00 AM THU 23/12/10
Mackenzie R at Tartrus *	9.26m rising	07:40 AM THU 23/12/10
Fitzroy R at Rockhampton	5.5m falling slowly	08:00 AM THU 23/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 2:37 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy overnight rainfall has led to sharp rises along the Dawson and Comet
Rivers, and in Mimosa Creek. Major flood levels will rise between Gyranda Weir
and Baralaba during Friday and into the weekend.

CONNORS/ISAAC RIVER SYSTEM:

Minor flooding continues to ease at Pink Lagoon. Moderate flooding approaches a peak near 14 metres at Yatton during Thursday afternoon.

COMET RIVER:
Major flooding continues to rise at The Lake, with rises also continuing at Springsure Creek Junction. Minor flooding is rising at Comet Weir where a major flood peak of at least 9.5 metres is expected over the weekend.

MACKENZIE RIVER:
Minor to moderate flood levels are expected over the weekend and through next week downstream from Comet Weir. Further predictions will be made once upstream peaks are observed.

DAWSON RIVER:
Moderate flooding continues to ease at Taroom, although further rainfall is forecast for the area.

Fast river rises are occurring between Gyranda Weir and Isla Delusion Crossing, with similar rises extending downstream to Theodore where a major flood peak of at least 13.2 metres is expected early Friday. Higher levels are possible with continued heavy rainfall likely in the catchment. Further predictions will be made as more data become available.

Fast river level rises are also occurring downstream to Moura where a major flood peak to about 12.2 metres is expected overnight Friday, with further rises possible.

Fast rises and moderate flood levels are being recorded along Mimosa Creek at Redcliffe, with major flood levels of at least 7 metres predicted with further rises possible. Fast rises are expected to also develop downstream at Karamea during this afternoon.

Major flooding is rising at Baralaba, with fast rises expected during Friday as upstream floodwaters arrive. A major flood peak of at least 13 metres is expected over the weekend. Higher levels are possible with continued heavy rainfall likely in the catchment. Further predictions will be made as upstream peaks are observed.

Minor flood levels are likely in the Don River at Rannes. Fast rises are expected between Newlands and the Duaringa area over the weekend.

FITZROY RIVER:
River levels will rise again over the weekend and through next week with minor flood levels continuing between Riverslea and Yaamba.

Predicted River Heights/Flows:
Dawson River at:

Theodore	Reach at least 13.2 metres during Friday.
Moura	Reach at least 12.2 metres overnight Friday.
Baralaba	Reach at least 13 metres over the weekend.

Weather Forecast:
Rain areas with local thunder and moderate to heavy falls.

Next Issue:

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The next warning will be issued by 5:30pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *         6.26m falling       01:00 PM THU 23/12/10
Juandah Ck at Windamere *          1.87m steady        01:00 PM THU 23/12/10
Dawson R at Taroom *               6.49m falling       01:00 PM THU 23/12/10
Dawson R at The Glebe              NA
Dawson R at Theodore               12.71m rising       02:00 PM THU 23/12/10
Dawson R at Moura                  10.25m rising       07:00 AM THU 23/12/10
Mimosa Ck at Redcliff *            6.01m rising        01:10 PM THU 23/12/10
Dawson R at Baralaba               11m rising          09:00 AM THU 23/12/10
Dawson R at Beckers *              12.5m rising        11:00 AM THU 23/12/10
Dawson R at Knebworth *            13.52m falling      01:10 PM THU 23/12/10
Comet R at The Lake *              12.96m rising       01:20 PM THU 23/12/10
Comet R at Comet Weir *            7.43m rising        01:00 PM THU 23/12/10
Nogoa R at Raymond #               6.25m rising        01:10 PM THU 23/12/10
Nogoa R at Craigmore #             10.11m steady       11:48 AM THU 23/12/10
Nogoa R at Fairbairn Dam HW *      1.52m rising        12:20 PM THU 23/12/10
Nogoa R at Emerald #               9.2m rising         01:38 PM THU 23/12/10
Policeman's Ck at Rubyvale #       1m steady           01:56 PM THU 23/12/10
Theresa Ck at Gregory Highway #    4.77m falling       01:46 PM THU 23/12/10
Mackenzie R at Bedford Weir TW #   11.39m steady       02:06 PM THU 23/12/10
Mackenzie R at Bingegand Weir AL # NA
Connors R at Pink Lagoon *         6.57m falling       12:00 PM THU 23/12/10
Isaac R at Yatton *                13.85m rising       12:10 PM THU 23/12/10
Mackenzie R at Tartrus *           9.26m rising        07:40 AM THU 23/12/10
Fitzroy R at Riverslea *           NA
Fitzroy R at Rockhampton           5.5m falling slowly 08:00 AM THU 23/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 5:48 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy overnight rainfall has led to sharp rises along the Dawson and Comet
Rivers, and in Mimosa Creek. Major flood levels will rise between Gyranda Weir
and Baralaba during Friday and into the weekend.

CONNORS/ISAAC RIVER SYSTEM:
Minor flooding continues to ease at Pink Lagoon. Moderate flooding approaches a
peak near 14 metres at Yatton during Thursday afternoon.

COMET RIVER:
Major flooding continues to rise at The Lake, with rises also continuing at
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Springsure Creek Junction. Minor flooding is rising at Comet Weir where a major flood peak of at least 9.5 metres is expected over the weekend.

MACKENZIE RIVER:
Minor to moderate flood levels are expected over the weekend and through next week downstream from Comet Weir. Further predictions will be made once upstream peaks are observed.

DAWSON RIVER:
Moderate flooding continues to ease at Taroom, although further rainfall is forecast for the area.

Fast river rises are occurring between Gyranda Weir and Isla Delusion Crossing, with similar rises extending downstream to Theodore where a major flood peak of at least 13.5 metres is expected during Friday. Higher levels are possible. Further predictions will be made as more data become available.

Fast river level rises are also occurring downstream to Moura where a major flood peak to about 12.5 metres is expected during Saturday, with further rises possible.

Fast rises and moderate flood levels are being recorded along Mimosa Creek at Redcliffe, with major flood levels of at least 7 metres predicted with further rises possible. Fast rises are expected to also develop downstream at Karamea during this evening.

Major flooding is rising at Baralaba, with fast rises expected during Friday as upstream floodwaters arrive. A major flood peak of at least 13 metres is expected over the weekend. Higher levels are possible. Further predictions will be made as upstream peaks are observed.

Minor flood levels are likely in the Don River at Rannes. Fast rises are expected between Newlands and the Duaringa area over the weekend.

FITZROY RIVER:
River levels will rise again over the weekend and through next week with minor flood levels continuing between Riverslea and Yaamba.

Predicted River Heights/Flows:
Dawson River at:

Theodore	Reach at least 13.5 metres during Friday.
Moura	Reach at least 12.5 metres during Saturday.
Baralaba	Reach at least 13 metres over the weekend.

Next Issue:
The next warning will be issued by 11am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.91m falling	05:00 PM THU 23/12/10
Juandah Ck at Windamere *	1.83m falling	05:00 PM THU 23/12/10
Dawson R at Taroom *	6.42m falling	05:00 PM THU 23/12/10
Dawson R at Theodore	12.95m rising	05:00 PM THU 23/12/10
Dawson R at Moura	11.22m rising fast	02:30 PM THU 23/12/10
Mimosa Ck at Redcliff *	7.04m rising	05:30 PM THU 23/12/10

Dawson R at Baralaba	11.3m rising	06:00 PM THU 23/12/10
Dawson R at Beckers *	12.69m rising	05:00 PM THU 23/12/10
Dawson R at Knebworth *	13.86m rising	05:10 PM THU 23/12/10
Comet R at The Lake *	13.02m steady	02:10 PM THU 23/12/10
Comet R at Comet Weir *	7.63m rising	05:00 PM THU 23/12/10
Nogoa R at Raymond #	6.3m rising	04:17 PM THU 23/12/10
Nogoa R at Craigmore #	9.96m falling	04:16 PM THU 23/12/10
Nogoa R at Fairbairn Dam HW *	1.56m rising	04:40 PM THU 23/12/10
Nogoa R at Emerald #	9.35m rising	05:18 PM THU 23/12/10
Policeman's Ck at Rubyvale #	0.95m steady	04:56 PM THU 23/12/10
Theresa Ck at Gregory Highway #	4.52m falling	05:06 PM THU 23/12/10
Mackenzie R at Bedford Weir TW #	11.69m rising	05:36 PM THU 23/12/10
Connors R at Pink Lagoon *	5.96m falling	05:00 PM THU 23/12/10
Isaac R at Yatton *	13.87m steady	05:00 PM THU 23/12/10
Mackenzie R at Tartrus *	9.26m rising	07:40 AM THU 23/12/10
Fitzroy R at Rockhampton	5.5m falling slowly	08:00 AM THU 23/12/10

*automatic station

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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:59 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are approaching a peak of around 13.5 metres at Theodore. Record flood levels have been recorded overnight along Mimosa Creek. Major flood levels continue to rise along the Comet River. Moderate to major flood levels are expected along the Mackenzie River next week. At this stage, river levels at Rockhampton are likely to remain just below minor flood levels.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding is easing at Yatton follwoing a peak of 14 metres yesterday. Further rainfall has occurred overnight and some rises are occurring along Funnell Creek and Denison Creek.

COMET RIVER:
Major flooding continues to rise at The Lake, with rises also continuing at Springsure Creek Junction. Minor flooding is rising at Comet Weir where a major flood peak of at least 11 metres is expected over the weekend.

MACKENZIE RIVER:
Moderate to major flood levels are expected over the next week between the Comet Junction and Bingegang. The River at Yakcam is expected to reach at least 17 metres early next week.n Major flood levels are possible in the Bedford Weir area.

DAWSON RIVER:
River levels are now falling in the Gyranda and Isla Delusion areas with a peak now approaching Theodore. A major flood peak of at around 13.5 metres is expected at Theodore during today.

Fast river level rises are also occurring downstream to Moura where a major flood peak to about 12.5 metres is expected overnight Saturday.

Record flood levels have peaked at 8.21 metres along Mimosa Creek at Redcliffe overnight.

Major flooding is rising at Baralaba, with fast rises expected during Friday as upstream floodwaters arrive. A major flood peak of at least 13 metres is expected over the weekend. Higher levels are possible. Further predictions will be made as upstream peaks are observed.

FITZROY RIVER:
River levels will rise again over the weekend and through next week with minor flood levels continuing between Riverslea and Yaamba.

Predicted River Heights/Flows:
Dawson River at:

Theodore	Reach at least 13.5 metres during Friday.
Moura	Reach at least 12.5 metres overnight Saturday.
Baralaba	Reach at least 13 metres over the weekend.

Next Issue:
The next warning will be issued by 11:30am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	4.74m falling	08:00 AM FRI 24/12/10
Juandah Ck at Windamere *	1.79m steady	08:00 AM FRI 24/12/10
Dawson R at Taroom *	6.19m falling	08:00 AM FRI 24/12/10
Dawson R at Theodore	13.35m rising slowly	08:00 AM FRI 24/12/10
Dawson R at Moura	11.8m rising	06:00 AM FRI 24/12/10
Mimosa Ck at Redcliff *	7.86m falling	08:10 AM FRI 24/12/10
Dawson R at Baralaba	12.05m rising	09:00 AM FRI 24/12/10
Dawson R at Beckers *	13.1m rising	08:00 AM FRI 24/12/10
Dawson R at Knebworth *	13.82m falling	08:05 AM FRI 24/12/10
Comet R at The Lake *	13.6m rising	07:10 AM FRI 24/12/10
Comet R at Comet Weir *	9.44m rising	08:00 AM FRI 24/12/10
Nogoa R at Raymond #	5.9m falling	09:24 AM FRI 24/12/10
Nogoa R at Craigmore #	9.56m steady	08:49 AM FRI 24/12/10
Nogoa R at Fairbairn Dam HW *	1.66m rising	07:45 AM FRI 24/12/10
Nogoa R at Emerald #	9.8m steady	08:46 AM FRI 24/12/10
Policeman's Ck at Rubyvale #	0.9m steady	07:56 AM FRI 24/12/10
Theresa Ck at Gregory Highway #	4.22m rising	09:26 AM FRI 24/12/10
Mackenzie R at Bedford Weir TW #	12.82m rising	09:27 AM FRI 24/12/10
Connors R at Pink Lagoon *	4.74m falling	08:00 AM FRI 24/12/10
Isaac R at Yatton *	13.21m falling	08:00 AM FRI 24/12/10

*automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 12:21 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue at Theodore. Major flood levels continue to rise along the Comet River. Moderate to major flood levels are expected along the Mackenzie River next week. River levels along the Dawson River downstream of Mimosa Creek will exceed 1983 flood levels. Fitzroy river levels at Rockhampton are likely to rise to the 7 metre minor flood level by late next week.

CONNORS/ISAAC RIVER SYSTEM:
Further rainfall has occurred overnight and some rises are occurring along Funnell Creek, Nebo Creek and Denison Creek. Moderate flood levels are expected once again at Pink Lagoon this weekend. River levels at Yatton will fall and rise again with moderate flood levels continuing.

COMET RIVER:
Major flooding continues at The Lake with river levels steady. At Comet Weir, a peak flood level of around 11.5 metres is expected over the weekend.

MACKENZIE RIVER:
Moderate to major flood levels are expected over the next week between the Comet Junction and Bingegang. The River at Yakcam is expected to reach at least 18 metres early next week. Major flood levels are forecast in the Bedford Weir area and moderate flood levels at Bingegang during next week.

DAWSON RIVER:
River levels are rising in the Gyranda and Isla Delusion areas and levels at Theodore have increased overnight following heavy rainfall. Levels at Theodore are likely to drop very slightly but remain around the 13.4 to mark for 48 hours. Heavy rainfall is forecast for the area over the next 48 hours however and unexpected fast rises are a possibility.

Fast river level rises are also occurring downstream to Moura where a major flood peak to about 12.5 metres is expected in the next 24 hours. Levels will remain high into next week.

Record flood levels have peaked at 8.21 metres along Mimosa Creek at Redcliffe and major flood levels are rising at Karamea.

Major flooding is rising at Baralaba, with fast rises expected during Friday as upstream floodwaters arrive. A major flood peak of at least 14 metres is expected over the weekend. Higher levels to 14.5 metres are possible. Flood levels at Baralaba are already similar to the 1983 flood.

Downstream, river levels above the 1983 peak are expected in the next few days.

It is likely the Capricorn Highway bridge at Duaringa will be flooded on Sunday or Monday.

FITZROY RIVER:
River levels will rise again over the weekend and through next week with minor flood levels continuing between Riverslea and Yaamba. River levels at Rockhampton will rise again to around the 7 metres mark by late next week. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
Dawson River at:

Theodore Stay around the 13.4 metre mark for the rest of the weekend.

Moura Reach at least 12.5 metres this weekend.

Baralaba Reach at least 14 metres over the weekend, rises to 14.5 metres are possible.

Next Issue:
The next warning will be issued by 11:30am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.85m falling	10:00 AM SAT 25/12/10
Juandah Ck at Windamere *	1.69m steady	10:00 AM SAT 25/12/10
Dawson R at Taroom *	5.56m falling	10:00 AM SAT 25/12/10
Dawson R at Theodore	13.55m rising slowly	11:00 AM SAT 25/12/10
Dawson R at Moura	12.25m rising	06:30 AM SAT 25/12/10
Mimosa Ck at Redcliff *	3.74m falling	10:00 AM SAT 25/12/10
Dawson R at Baralaba	13.4m rising	09:00 AM SAT 25/12/10
Dawson R at Beckers *	14.8m rising	08:00 AM SAT 25/12/10
Dawson R at Knebworth *	14.14m falling	10:10 AM SAT 25/12/10
Comet R at The Lake *	13.56m falling	10:20 AM SAT 25/12/10
Comet R at Comet Weir *	10.94m rising	10:00 AM SAT 25/12/10
Nogoa R at Raymond #	5.55m rising	10:22 AM SAT 25/12/10
Nogoa R at Craigmore #	9.91m falling	10:55 AM SAT 25/12/10
Nogoa R at Fairbairn Dam HW *	1.74m rising	09:35 AM SAT 25/12/10
Nogoa R at Emerald #	10.2m rising	10:16 AM SAT 25/12/10
Policeman's Ck at Rubyvale #	1.05m steady	10:56 AM SAT 25/12/10
Theresa Ck at Gregory Highway #	5.62m steady	10:30 AM SAT 25/12/10
Mackenzie R at Bedford Weir TW #	14.28m rising	11:12 AM SAT 25/12/10
Connors R at Pink Lagoon *	7.16m rising	10:29 AM SAT 25/12/10
Isaac R at Yatton *	11.21m falling	08:00 AM SAT 25/12/10
Mackenzie R at Tartrus *	11.02m falling	06:45 AM SAT 25/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 8:43 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Dawson and Comet Rivers and moderate to major flood levels are expected along the Mackenzie River during next week. Fitzroy river levels at Rockhampton are likely to rise to the 7 metre minor flood level during this week.

Further heavy rainfall has been recorded overnight in the catchments of Funnel Creek and Connors Rivers and in the lower Fitzroy and extending south into the catchments of the Dee and Don Rivers and Neerkol Creek. Further moderate to heavy rainfall is forecast for the Fitzroy River catchments for the next couple of days.

CONNORS/ISAAC RIVER SYSTEM:
Further rainfall has occurred overnight and fast rises and moderate flooding are occuring in Funnell Creek and in the Connors River at Mt Bridget and Pink Lagoon. Rises and moderate flooding are expected to continue downstream in the Issac River at Yatton for the next few days.

COMET RIVER:
Major flooding continues at The Lake and Comet Weir with river levels remaining steady overnight.

MACKENZIE RIVER:
Moderate to major flood levels are expected over the next week between the Comet Junction and Bingegang. The Mackenzie River at Yakcam is expected to reach at least 18 metres early this week. Major flood levels are forecast in the Bedford Weir area and moderate flood levels at Bingegang during next week.

DAWSON RIVER:
Further moderate to heavy rainfall is forecast for the Dawson River catchments for the next 24 to 48 hours. Major flooding extends from the Glebe Weir to Knebworth including the towns of Theodore, Moura and Baralaba.

Major flood levels have remained steady in the Dawson River at Theodore overnight but based on forecast rainfall further rises and higher levels are possible during the next few days. Major flood levels are now steady at Moura and continuing to rise at Baralaba. Flood levels at Baralaba are already similar to the 1983 flood with further rises and higher levels possible with further forecast rainfall.

Downstream of Baralaba, river levels above the 1983 peak are expected in the next few days. It is likely the Capricorn Highway bridge at Duaringa will be flooded on Sunday or Monday.

DEE/DON RIVERS:
Rises and major flooding is being recorded in the Dee River with moderate flooding expected in Don River at Rannes during Monday.

FITZROY RIVER:
Renewed rises are occuring in the Fitzroy River between Riverslea and Yaamba and very heavy rainfall of over 150mm has been recorded in the Rockhampton area

overnight causing local flash flooding. River levels at Rockhampton will rise again to over 7 metres during this week. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
Dawson River at:

Theodore Remain around 13.4 metres during Sunday.

Moura Remain around 12.4 metres during Sunday.

Baralaba Reach and remain steady around 14 metres during Sunday.

Higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 5pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.51m rising	07:00 AM SUN 26/12/10
Juandah Ck at Windamere *	2.68m rising	07:30 AM SUN 26/12/10
Dawson R at Taroom *	5.16m steady	07:05 AM SUN 26/12/10
Dawson R at Theodore	13.44m steady	08:00 AM SUN 26/12/10
Dawson R at Moura	12.33m rising slowly	06:30 AM SUN 26/12/10
Mimosa Ck at Redcliff *	4.7m rising	07:30 AM SUN 26/12/10
Dawson R at Baralaba	13.9m rising	06:00 AM SUN 26/12/10
Dawson R at Beckers *	16.37m steady	05:07 AM SUN 26/12/10
Dawson R at Knebworth *	15.32m falling	07:05 AM SUN 26/12/10
Comet R at The Lake *	13.4m rising	07:20 AM SUN 26/12/10
Comet R at Comet Weir *	10.91m falling	06:00 AM SUN 26/12/10
Nogoa R at Raymond #	5.75m steady	06:45 AM SUN 26/12/10
Nogoa R at Craigmore #	9.11m falling	07:37 AM SUN 26/12/10
Nogoa R at Fairbairn Dam HW *	1.84m steady	06:00 AM SUN 26/12/10
Nogoa R at Emerald #	10.6m rising	07:15 AM SUN 26/12/10
Policeman's Ck at Rubyvale #	0.95m steady	07:55 AM SUN 26/12/10
Theresa Ck at Gregory Highway #	6.82m rising	07:51 AM SUN 26/12/10
Mackenzie R at Bedford Weir TW #	15.72m rising	08:16 AM SUN 26/12/10
Connors R at Pink Lagoon *	12.3m rising	07:00 AM SUN 26/12/10
Isaac R at Yatton *	11.36m rising	02:40 AM SUN 26/12/10
Mackenzie R at Tartrus *	11.17m falling	07:25 AM SUN 26/12/10
Fitzroy R at Riverslea *	18.5m rising	05:17 AM SUN 26/12/10
Fitzroy R at Rockhampton	6.44m rising slowly	06:30 AM SUN 26/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 5:19 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Dawson and Comet Rivers. Further river rises and moderate to major flood levels are expected along the Mackenzie River during next week. The Fitzroy River at Rockhampton is expected to remain around at least the 7 metre minor flood level during this week with possible higher levels later in the week and during the New Year weekend.

Recent heavy rainfall is expected to cause further renewed river rises in the lower Connors and Isaac Rivers and in the Don River to Rannes system during the next 1 to 2 days.

Further moderate to heavy rainfall is forecast for the Fitzroy River catchments for the next few days which is likely to produce increased flood levels in the areas of heaviest rain.

CONNORS/ISAAC RIVER SYSTEM:
Further renewed river rises and moderate flooding are expected to continue downstream in the Isaac River at Yatton for the next few days.

COMET RIVER:
Major flooding continues at The Lake and Comet Weir with river levels generally remaining steady during tonight and Monday.

MACKENZIE RIVER:
River rises and moderate to major flood levels are expected over the next week between the Comet Junction and Bingegang. The Mackenzie River at Yakcam is expected to reach at least 18 metres early this week. Major flood levels are forecast in the Bedford Weir area and moderate flood levels at Bingegang during this week.

DAWSON RIVER:
Further moderate to heavy rainfall is forecast for the Dawson River catchments for the next 24 to 48 hours. Major flooding extends from the Glebe Weir to Knebworth including the towns of Theodore, Moura and Baralaba.

Major flood levels have fallen slightly in the Dawson River at Theodore during Sunday, but based on forecast rainfall further rises and higher levels are possible during the next few days. Major flood levels are now steady at Moura and nearing their peak at Baralaba. Flood levels at Baralaba are about 0.3 metres higher than the 1983 flood. Higher levels are possible with further forecast rainfall.

Downstream of Baralaba, river levels above the 1983 peak are expected in the next few days. It is likely the Capricorn Highway bridge at Duaringa will be flooded.

DON RIVER:
Rises and moderate flooding is expected in Don River at Rannes during tonight and Monday.

FITZROY RIVER:
Renewed rises are occuring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to remain around at least the 7 metre minor flood level during this week with possible higher levels later in the week and during the New Year weekend. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
Baralaba: Reach and remain steady around 14 metres during Sun/Mon.

Rockhampton: Remain around at least the 7 metre minor flood level during this week, with possible higher levels later in the week and during the New Year weekend

Higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 9am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.41m rising	03:00 PM SUN 26/12/10
Juandah Ck at Windamere *	5m rising	03:30 PM SUN 26/12/10
Dawson R at Taroom *	5.27m steady	03:21 PM SUN 26/12/10
Dawson R at Theodore	13.4m steady	04:00 PM SUN 26/12/10
Dawson R at Moura	12.35m rising slowly	01:30 PM SUN 26/12/10
Dawson R at Baralaba	13.95m rising	03:00 PM SUN 26/12/10
Dawson R at Beckers *	16.7m rising	02:00 PM SUN 26/12/10
Dawson R at Knebworth *	15.78m falling	04:10 PM SUN 26/12/10
Comet R at The Lake *	13.43m rising	03:20 PM SUN 26/12/10
Comet R at Comet Weir *	10.7m falling	03:00 PM SUN 26/12/10
Nogoa R at Raymond #	5.85m steady	03:45 PM SUN 26/12/10
Nogoa R at Craigmore #	8.81m falling	02:56 PM SUN 26/12/10
Nogoa R at Fairbairn Dam HW *	1.85m steady	12:00 PM SUN 26/12/10
Nogoa R at Emerald #	10.65m steady	02:46 PM SUN 26/12/10
Theresa Ck at Gregory Highway #	7.27m steady	04:30 PM SUN 26/12/10
Mackenzie R at Bedford Weir TW #	16.18m falling	04:27 PM SUN 26/12/10
Connors R at Pink Lagoon *	13.02m rising	03:00 PM SUN 26/12/10
Isaac R at Yatton *	12.63m rising	02:00 PM SUN 26/12/10
Mackenzie R at Tartrus *	11.17m falling	07:25 AM SUN 26/12/10
Fitzroy R at Riverslea *	19.27m rising	04:30 PM SUN 26/12/10
Fitzroy R at Rockhampton	6.9m rising slowly	04:00 PM SUN 26/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:15 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Dawson and Comet Rivers. Further river rises and moderate to major flood levels are expected along the Mackenzie River during next week. The Fitzroy River at Rockhampton is expected to remain around at least the 7 metre minor flood level during this week with possible higher levels later in the week and during the New Year weekend.

Recent heavy rainfall is expected to cause further renewed river rises in the lower Connors and Isaac Rivers and in the Don River to Rannes system during the next 1 to 2 days.

Further moderate to heavy rainfall is forecast for the Fitzroy River catchments for the next few days which is likely to produce increased flood levels. Flash flooding is possible in smaller streams in the areas of heaviest rain.

CONNORS/ISAAC RIVER SYSTEM:
Further renewed river rises and moderate flooding are expected to continue downstream in the Isaac River at Yatton for the next few days.

COMET RIVER:
Major flooding continues at The Lake and Comet Weir with river levels generally remaining steady during tonight and Monday.

MACKENZIE RIVER:
River rises and moderate to major flood levels are expected over the next week between the Comet Junction and Bingegang. The Mackenzie River at Yakcam is expected to reach at least 18 metres early this week. Major flood levels are forecast in the Bedford Weir area and moderate flood levels at Bingegang during this week.

DAWSON RIVER:
Further moderate to heavy rainfall is forecast for the Dawson River catchments for the next 24 to 48 hours. Major flooding extends from the Glebe Weir to Knebworth including the towns of Theodore, Moura and Baralaba.

Major flood levels have fallen slightly in the Dawson River at Theodore during Sunday, but based on forecast rainfall further rises and higher levels are possible during the next few days. Major flood levels are now steady at Moura and nearing their peak at Baralaba. Flood levels at Baralaba are about 0.3 metres higher than the 1983 flood. Higher levels are possible with further forecast rainfall.

Downstream of Baralaba, river levels above the 1983 peak are expected in the next few days. The Capricorn Highway at the Dawson River bridge is flooded.

DON RIVER:
Rises and moderate flooding is expected in Don River at Rannes during tonight and Monday.

FITZROY RIVER:
Renewed rises are occuring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to remain around at least the 7 metre minor flood level during this week with possible higher levels later in the week and during the New Year weekend. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
Baralaba: Reach and remain steady around 14 metres during Sun/Mon.

Rockhampton: Remain around at least the 7 metre minor flood level during this week, with possible higher levels later in the week and during the New Year weekend

Higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 9am Monday.

(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.53m steady	05:04 PM SUN 26/12/10
Juandah Ck at Windamere *	5.48m rising	05:30 PM SUN 26/12/10
Dawson R at Taroom *	5.34m steady	05:38 PM SUN 26/12/10
Dawson R at Theodore	13.42m rising slowly	07:00 PM SUN 26/12/10
Dawson R at Moura	12.35m rising slowly	01:30 PM SUN 26/12/10
Mimosa Ck at Redcliff *	6.48m rising	05:00 PM SUN 26/12/10
Dawson R at Baralaba	13.95m steady	06:00 PM SUN 26/12/10
Dawson R at Beckers *	16.77m steady	05:15 PM SUN 26/12/10
Dawson R at Knebworth *	15.9m rising	06:10 PM SUN 26/12/10
Comet R at The Lake *	13.46m rising	05:00 PM SUN 26/12/10
Comet R at Comet Weir *	10.66m falling	05:00 PM SUN 26/12/10
Nogoa R at Raymond #	5.95m rising	06:58 PM SUN 26/12/10
Nogoa R at Craigmore #	8.76m falling	05:49 PM SUN 26/12/10
Nogoa R at Fairbairn Dam HW *	1.85m steady	06:00 PM SUN 26/12/10
Nogoa R at Emerald #	10.65m steady	05:46 PM SUN 26/12/10
Theresa Ck at Gregory Highway #	7.42m rising	07:01 PM SUN 26/12/10
Mackenzie R at Bedford Weir TW #	16.25m rising	06:33 PM SUN 26/12/10
Connors R at Pink Lagoon *	13.14m rising	05:00 PM SUN 26/12/10
Isaac R at Yatton *	12.83m rising	05:00 PM SUN 26/12/10
Fitzroy R at Riverslea *	19.39m rising	06:10 PM SUN 26/12/10
Fitzroy R at Rockhampton	6.9m rising slowly	04:00 PM SUN 26/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:51 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Dawson and Comet Rivers. Further river rises and moderate to major flood levels are expected along the Mackenzie River during this week. Minor flooding continues in the Fitzroy River at Rockhampton with higher levels expected later in the week and during the New Year weekend.

Very heavy rainfall up to 235 millimetres has been recorded in the upper areas of the Nogoa catchment and the Carnarvon ranges since 9am Sunday. This will cause rises in the upper reaches of the Nogoa, Dawson and Comet Rivers during today.

Further moderate to heavy rainfall is forecast for the Fitzroy River catchments for the next few days which is likely to produce increased flood levels. Flash flooding is possible in smaller streams in the areas of heaviest rain.

CONNORS/ISAAC RIVER SYSTEM:

Further renewed river rises and moderate flooding are expected to continue downstream in the Isaac River at Yatton for the next few days.

NOGOA RIVER:
Rainfalls of up to 235mm have been recorded in the upper Nogoa River catchment since 9am Sunday. River level rises are occurring at Raymond and Craigmore causing minor flooding. Rises to above minor flood level are possible in the next couple of days at Fairbairn Dam and Emerald and the situation is being closely monitored.

COMET RIVER:
Major flooding continues at The Lake and Comet Weir with small renewed rises being recorded as a result of overnight heavy rainfall.

MACKENZIE RIVER:
River rises and moderate to major flood levels are expected over the next week between the Comet Junction and Bingegang. The Mackenzie River at Yakcam is expected to reach at least 18 metres during Monday/Tuesday. Major flood levels are forecast in the Bedford Weir area and moderate flood levels at Bingegang during this week.

DAWSON RIVER:
Further moderate to heavy rainfall is forecast for the Dawson River catchments for the next 24 to 48 hours. Major flooding extends from the Glebe Weir to Knebworth including the towns of Theodore, Moura and Baralaba.

Overnight heavy rainfall in the Upper Dawson River is expected to produce fast river level rises and a return to moderate to major flood levels at Taroom. Major flood levels have risen slightly overnight Sunday in the Dawson River at Theodore. At 5am the river level at Theodore was 13.68 metres and rising slowly. Floodwaters from the Taroom area are expected to prolong major flood levels at Theodore during this week.

Major flood levels are now steady at Moura and nearing their peak at Baralaba. Flood levels at Baralaba are about 0.4 metres higher than the 1983 flood. Higher levels are possible with further forecast rainfall. Downstream of Baralaba, river levels above the 1983 peak are expected in the next few days. The Capricorn Highway at the Dawson River Bridge is flooded.

DON RIVER:
Moderate flood levels continue to rise in Don River at Rannes with a flood peak expected within the next few hours.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to remain above the 7 metre minor flood level during this week with higher levels expected later in the week and during the New Year weekend. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
Baralaba: Remain steady around 14 metres during Monday.

Rockhampton: Remain above the 7 metre minor flood level during this week, with higher levels expected later this week and during the New Year weekend.

Further predictions will be made as upstream peaks are observed. Higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 1pm Monday.

(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	9.34m rising	05:40 AM MON 27/12/10
Juandah Ck at Windamere *	9.23m rising	05:40 AM MON 27/12/10
Dawson R at Taroom *	5.91m steady	05:23 AM MON 27/12/10
Dawson R at Theodore	13.7m rising slowly	05:30 AM MON 27/12/10
Dawson R at Moura	12.38m rising slowly	06:45 PM SUN 26/12/10
Mimosa Ck at Redcliff *	7.14m falling	05:40 AM MON 27/12/10
Dawson R at Baralaba	14m steady	06:00 AM MON 27/12/10
Dawson R at Beckers *	16.87m steady	05:00 AM MON 27/12/10
Dawson R at Knebworth *	16.2m rising	05:10 AM MON 27/12/10
Comet R at The Lake *	13.48m falling	04:20 AM MON 27/12/10
Comet R at Comet Weir *	10.53m steady	01:28 AM MON 27/12/10
Nogoa R at Raymond #	8.65m rising	05:54 AM MON 27/12/10
Nogoa R at Craigmore #	9.21m rising	05:40 AM MON 27/12/10
Nogoa R at Fairbairn Dam HW *	1.85m steady	12:00 AM MON 27/12/10
Nogoa R at Emerald #	10.65m steady	05:46 AM MON 27/12/10
Policeman's Ck at Rubyvale #	0.8m rising	05:31 AM MON 27/12/10
Theresa Ck at Gregory Highway #	7.92m rising	04:36 AM MON 27/12/10
Mackenzie R at Bedford Weir TW #	16.58m steady	05:06 AM MON 27/12/10
Connors R at Pink Lagoon *	13.9m rising	05:00 AM MON 27/12/10
Isaac R at Yatton *	13.78m rising	05:40 AM MON 27/12/10
Mackenzie R at Tartrus *	11.74m rising	07:25 PM SUN 26/12/10
Fitzroy R at Rockhampton	7.15m rising slowly	05:30 AM MON 27/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 1:25 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Dawson and Comet Rivers and Mackenzie Rivers. Minor flooding continues in the Fitzroy River at Rockhampton with moderate flood levels expected late this week.

Very heavy rainfall up to 257 millimetres has been recorded in the upper areas of the Nogoa catchment and the Carnarvon ranges in the 24 hours to 9am Monday. This is causing rises in the upper reaches of the Nogoa, Dawson and Comet Rivers.

Further moderate to heavy rainfall is forecast for the Fitzroy River catchments for the next few days which is likely to produce increased flood levels. Flash flooding is possible in smaller streams in the areas of heaviest rain.

CONNORS/ISAAC RIVER SYSTEM:
Further river rises and moderate flooding are expected to continue downstream in the Isaac River at Yatton for the next few days.

NOGOA RIVER:
River level rises are occurring in the upper Nogoa at Raymond and Craigmore causing minor to moderate flooding. Rises to above minor flood level are expected during this week at Fairbairn Dam and Emerald and the situation is being closely monitored.

COMET RIVER:
Major flooding continues at The Lake and Comet Weir with renewed rises expected as a result of overnight heavy rainfall.

MACKENZIE RIVER:
River rises and moderate to major flood levels continue from the Comet Junction to Bingegang. The Mackenzie River at Yakcam is now steady around 17.65 metres with renewed rises expected in the next few days. Major flood levels are forecast in the Bedford Weir area and moderate to major flood levels at expected at Bingegang during this week.

DAWSON RIVER:
Further moderate to heavy rainfall is forecast for the Dawson River catchments for the next 24 to 48 hours. Major flooding extends from the Glebe Weir to Knebworth including the towns of Theodore, Moura and Baralaba.

Overnight heavy rainfall in the Upper Dawson River is expected to produce fast river level rises and a return major flood levels at Taroom. Major flood levels have risen slightly overnight Sunday in the Dawson River at Theodore. At 12.30pm the river level at Theodore was 13.85 metres and rising slowly. Floodwaters from the Taroom area are expected to prolong major flood levels at Theodore during this week.

Major flood levels are now steady at Moura and and Baralaba. Flood levels at Baralaba are about 0.4 metres higher than the 1983 flood and higher levels are possible with the recent rainfall and flow in Mimosa Creek and the forecast for further rainfall. The Capricorn Highway at the Dawson River Bridge is flooded.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to reach the moderate flood level of 7.5 metres during this week with higher levels expected later in the New Year weekend.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Exceed 14 metres (minor) later this week.
Higher levels possible.

DAWSON RIVER:

Theodore: Possibly exceed 14 metres (major) during Monday/Tuesday
Moura: Further rises to 12.5 metres (major) possible Monday/Tuesday
Baralaba: Further rises to 14.3 metres (major) possible Monday/Tuesday

FITZROY RIVER:

Rockhampton: Reach at 7.5 metres (moderate) later this week.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 6pm Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	10.61m rising	12:00 PM MON 27/12/10
Juandah Ck at Windamere *	10.47m rising	12:00 PM MON 27/12/10
Dawson R at Taroom *	6.42m rising	12:00 PM MON 27/12/10
Dawson R at Theodore	13.86m rising slowly	01:00 PM MON 27/12/10
Dawson R at Moura	12.38m steady	06:15 AM MON 27/12/10
Mimosa Ck at Redcliff *	6.21m falling	12:10 PM MON 27/12/10
Dawson R at Baralaba	14m steady	09:00 AM MON 27/12/10
Dawson R at Beckers *	16.88m steady	11:00 AM MON 27/12/10
Dawson R at Knebworth *	16.44m rising	12:10 PM MON 27/12/10
Comet R at The Lake *	13.78m steady	12:20 PM MON 27/12/10
Comet R at Comet Weir *	10.52m steady	12:00 PM MON 27/12/10
Nogoa R at Raymond #	9.7m rising	01:04 PM MON 27/12/10
Nogoa R at Craigmore #	10.06m rising	01:14 PM MON 27/12/10
Nogoa R at Fairbairn Dam HW *	1.91m steady	12:00 PM MON 27/12/10
Nogoa R at Emerald #	10.7m rising	01:07 PM MON 27/12/10
Policeman's Ck at Rubyvale #	0.9m falling	12:00 PM MON 27/12/10
Theresa Ck at Gregory Highway #	8.27m rising	12:11 PM MON 27/12/10
Mackenzie R at Bedford Weir TW #	16.75m falling	12:28 PM MON 27/12/10
Connors R at Pink Lagoon *	14.06m steady	12:00 PM MON 27/12/10
Isaac R at Yatton *	14.21m rising	11:30 AM MON 27/12/10
Mackenzie R at Tartrus *	12.44m rising	01:05 PM MON 27/12/10
Fitzroy R at Rockhampton	7.2m rising slowly	09:30 AM MON 27/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 5:57 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Dawson and Comet Rivers and Mackenzie Rivers. Minor flooding continues to rise in the Fitzroy River at Rockhampton with moderate flood levels expected late this week.

Sunday night's heavy rain is expected to cause further fast river rises in the Nogoa River above Fairbairn Dam, Comet River, upper Dawson River and tributaries.

Further moderate to heavy rainfall is forecast for the Fitzroy River catchments

for the next two days which is likely to produce increased flood levels. Flash flooding is possible in smaller streams in the areas of heaviest rain.

CONNORS/ISAAC RIVER SYSTEM:
Further river rises and moderate flooding are expected to continue downstream in the Isaac River at Yatton for the next few days.

NOGOA RIVER:
Fast river rises to major flood levels are expected to continue in the upper Nogoa River at Raymond and Craigmore. Rises to above minor flood level are expected during this week at Fairbairn Dam and Emerald and the situation is being closely monitored.

COMET RIVER:
Further fast river rises are expected along the Comet River during the next 1 to 2 days which will prolong major flooding in the area for at least this week.

MACKENZIE RIVER:
River rises and renewed major flooding will continue from the Comet Junction area to Bingegang this week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

Sunday night's heavy rainfall is causing fast river rises and a return to major flood levels at Taroom. Taroom may exceed 8 metres by Wednesday. Major flood levels are continuing to rise in the Dawson River at Theodore. At 5.30pm Monday, Theodore was 14 metres and rising slowly. Floodwaters from the Taroom area are expected to prolong major flood levels at Theodore during this week.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton is expected to reach the moderate flood level of 7.5 metres during this week with higher levels expected later in the New Year weekend.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Exceed 14 metres (minor) later this week.
Higher levels possible.

DAWSON RIVER:

Taroom: Possibly exceed 8 metres by Wednesday with further rises
Theodore: Exceed 14 metres during Monday/Tuesday
Moura: Further rises to 12.5 metres (major) possible Tuesday
Baralaba: Further rises to 14.3 metres (major) possible Tuesday

FITZROY RIVER:

Rockhampton: Reach at least 7.5 metres (moderate) Tuesday with continued rises this week.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 7am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	11.2m rising	04:00 PM MON 27/12/10
Juandah Ck at Windamere *	10.33m falling	04:00 PM MON 27/12/10
Dawson R at Taroom *	6.82m rising	04:00 PM MON 27/12/1
Dawson R at Theodore	14.0m rising slowly	05:30 PM MON 27/12/10
Dawson R at Moura	12.4m rising slowly	01:30 PM MON 27/12/10
Dawson R at Baralaba	14m steady	03:00 PM MON 27/12/10
Dawson R at Beckers *	16.87m steady	02:00 PM MON 27/12/10
Dawson R at Knebworth *	16.6m falling	04:10 PM MON 27/12/10
Comet R at The Lake *	14.04m rising	04:20 PM MON 27/12/10
Comet R at Comet Weir *	10.64m rising	03:34 PM MON 27/12/10
Nogoa R at Raymond #	10.2m rising	05:17 PM MON 27/12/10
Nogoa R at Craigmore #	10.81m rising	05:16 PM MON 27/12/10
Nogoa R at Fairbairn Dam HW *	2m rising	04:05 PM MON 27/12/10
Nogoa R at Emerald #	10.85m rising	04:45 PM MON 27/12/10
Theresa Ck at Gregory Highway #	8.47m rising	05:11 PM MON 27/12/10
Mackenzie R at Bedford Weir TW #	16.78m steady	05:06 PM MON 27/12/10
Connors R at Pink Lagoon *	14m falling	04:00 PM MON 27/12/10
Isaac R at Yatton *	14.45m rising	02:40 PM MON 27/12/10
Mackenzie R at Tartrus *	12.44m rising	01:05 PM MON 27/12/10
Fitzroy R at Rockhampton	7.4m rising	04:45 PM MON 27/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:06 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers.

Record major flood levels have been reached in the Dawson River at Theodore and the river continues to rise. The Nogoa River at Emerald is expected to reach moderate flood levels during this week with possible continued rises. The Fitzroy River at Rockhampton has reached moderate flood level and is expected to continue rising with major flood levels possible during the weekend and into next week.

Further moderate to heavy rainfall is possible in Fitzroy River catchments during the next 24 to 36 hours.

CONNORS/ISAAC RIVER SYSTEM:
Further heavy rainfall overnight will cause continued rises and major flooding

in the Isaac River at Yatton during Tuesday and Wednesday.

NOGOA RIVER:
Fast river rises to major flood levels continue in the upper Nogoa River at Raymond and Craigmore. Rises to above moderate flood level are expected during this week at Fairbairn Dam and Emerald and the situation is being closely monitored.

COMET RIVER:
Further fast river rises are expected along the Comet River during the next 1 to 2 days which will prolong major flooding in the area for at least this week. Record flood levels have already been reached at the Comet River at The Lake.

MACKENZIE RIVER:
River rises and renewed major flooding will continue from the Comet Junction area to Bingegang this week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

Sunday night's heavy rainfall caused fast river rises and a return to major flood levels at Taroom. Taroom is expected to peak near 8.3 metres late Tuesday and into Wednesday. Major flood levels are continuing to rise in the Dawson River at Theodore. At 5.15am Tuesday, Theodore was 14.46 metres and rising slowly. Floodwaters from the Taroom area are expected to prolong major flood levels at Theodore during this week.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 7.65 metres at 5am Tuesday and rising at moderate flood level. Rises are expected to continue major flood levels possible during the weekend and into next week.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Exceed 14.5 metres (moderate) early Thursday.
With further rises and higher levels possible.

DAWSON RIVER:

Taroom: Peak around 8.3 metres by Wednesday
Theodore: Rises to 15 metres possible during Tuesday/Wednesday
Moura: Further rises to 13 metres (major) possible Wednesday
Baralaba: Further rises to 14.5 metres (major) possible Wednesday

FITZROY RIVER:

Rockhampton: Reach 8 metres later this week and continue rising.
Major flood levels (8.5 metres) possible early next week.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 1pm Tuesday.
(River heights are constantly updated on the Bureau website.)

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Latest River Heights:
Dawson R at Utopia Downs *         14.11m rising        05:00 AM TUE 28/12/10
Juandah Ck at Windamere *           9.50m falling       05:00 AM TUE 28/12/10
Dawson R at Taroom *                8.00m rising        05:00 AM TUE 28/12/10
Dawson R at Theodore               14.51m rising slowly 06:15 AM TUE 28/12/10
Dawson R at Moura                  12.50m rising        09:00 AM TUE 28/12/10
Mimosa Ck at Redcliff *             8.12m rising        05:40 AM TUE 28/12/10
Dawson R at Baralaba               14.30m rising        06:00 AM TUE 28/12/10
Dawson R at Beckers *              17.47m steady        05:44 AM TUE 28/12/10
Dawson R at Knebworth *            17.42m rising        06:00 AM TUE 28/12/10
Comet R at The Lake *              17.04m rising        05:00 AM TUE 28/12/10
Comet R at Comet Weir *            10.74m rising        05:00 AM TUE 28/12/10
Nogoa R at Raymond #               12.80m falling       04:45 AM TUE 28/12/10
Nogoa R at Craigmore #             14.96m rising        06:52 AM TUE 28/12/10
Nogoa R at Fairbairn Dam HW *       2.17m steady        06:00 AM TUE 28/12/10
Nogoa R at Emerald #               11.50m rising        06:39 AM TUE 28/12/10
Policeman's Ck at Rubyvale #        0.85m falling       06:52 AM TUE 28/12/10
Theresa Ck at Gregory Highway #     9.02m rising        05:36 AM TUE 28/12/10
Mackenzie R at Bedford Weir TW #   17.01m rising        06:37 AM TUE 28/12/10
onnors R at Pink Lagoon *          13.79m falling       05:39 AM TUE 28/12/10
Isaac R at Yatton *                16.15m rising        05:10 AM TUE 28/12/10
Mackenzie R at Tartrus *           12.44m rising        01:05 PM MON 27/12/10
Fitzroy R at Riverslea *           21.96m rising        05:09 AM TUE 28/12/10
Fitzroy R at Rockhampton            7.70m rising        06:00 AM TUE 28/12/10

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 1:09 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers.

Record major flood levels have been reached in the Dawson River at Theodore and
the river continues to rise at Theodore and Baralaba. The Nogoa River at Emerald
is expected to reach major flood level of 15 metres during this week. The
Fitzroy River at Rockhampton is expected to continue rising and reach major
flood levels during next week.

Further moderate rainfall is possible in Fitzroy River catchments during the
next 24 hours.


CONNORS/ISAAC RIVER SYSTEM:
Further heavy rainfall overnight will cause continued rises and major flooding
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in the Isaac River at Yatton during Tuesday and Wednesday.

NOGOA RIVER:
Fast river rises to major flood levels continue in the upper Nogoa River at Raymond and Craigmore. Faster rises are expected to commence at Fairbairn Dam and Emerald during this afternoon with Emerald expected to reach the moderate flood level of 14.5 metres by Wednesday evening. Further rises are expected at Emerald with the level expected to reach a similar level to the 2008 flood (15.36 metres) on Friday. This prediction will be updated as upstream peaks are recorded.

COMET RIVER:
Further fast river rises are expected along the Comet River during the next two days which will prolong major flooding in the area for at least this week. Record major flood levels have already been reached at the Comet River at The Lake.

MACKENZIE RIVER:
River rises and renewed major flooding will continue from the Comet Junction area to Bingegang this week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

Taroom continues to rise quickly and the peak is now expected to be near 9 metres. Major flood levels are continuing to rise very slowly in the Dawson River at Theodore. At 10.45am Tuesday, Theodore was 14.59 metres and rising slowly. Floodwaters from the Taroom area are expected to prolong major flood levels at Theodore and downstream during this week and into next week.

Further rainfall and high flows in Mimosa creek overnight is causing renewed rises in the Dawson River at Baralaba. Major flood levels could reach 15 metres during Wednesday at Baralaba.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 7.75 metres at 9am Tuesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald:	Exceed 14.5 metres (moderate) late Wednesday. Reach near 15.3 metres (major) during Friday.

DAWSON RIVER:

Taroom:	Peak near 9 metres (major) during Wednesday
Theodore:	Rises to 15 metres (major) still possible during Wednesday
Moura:	Further rises to 13 metres (major) possible Wednesday
Baralaba:	Further rises to 15 metres (major) possible Wednesday

FITZROY RIVER:

Rockhampton:	Reach 8 metres (moderate) later this week and continue rising.

Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 6pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	14.24m	steady	11:00 AM TUE 28/12/10
Juandah Ck at Windamere *	9.14m	falling	11:00 AM TUE 28/12/10
Dawson R at Taroom *	8.41m	rising	11:00 AM TUE 28/12/10
Dawson R at Theodore	14.59m	rising	10:45 AM TUE 28/12/10
Dawson R at Moura	12.5m	rising	09:00 AM TUE 28/12/10
Mimosa Ck at Redcliff *	8.73m	rising	11:00 AM TUE 28/12/10
Dawson R at Baralaba	14.35m	rising	09:00 AM TUE 28/12/10
Dawson R at Beckers *	17.58m	steady	11:00 AM TUE 28/12/10
Dawson R at Knebworth *	17.47m	falling	12:00 PM TUE 28/12/10
Comet R at The Lake *	17.1m	rising	11:00 AM TUE 28/12/10
Comet R at Comet Weir *	10.85m	rising	11:00 AM TUE 28/12/10
Nogoa R at Craigmore #	16.11m	rising	12:49 PM TUE 28/12/10
Nogoa R at Fairbairn Dam HW *	2.28m	steady	12:00 PM TUE 28/12/10
Nogoa R at Emerald #	11.75m	rising	11:45 AM TUE 28/12/10
Policeman's Ck at Rubyvale #	0.85m	steady	10:55 AM TUE 28/12/10
Theresa Ck at Gregory Highway #	9.17m	rising	12:47 PM TUE 28/12/10
Mackenzie R at Bedford Weir TW #	17.18m	falling	11:37 AM TUE 28/12/10
Connors R at Pink Lagoon *	13.69m	falling	11:00 AM TUE 28/12/10
Isaac R at Yatton *	16.46m	rising	11:10 AM TUE 28/12/10
Mackenzie R at Tartrus *	14.08m	rising	12:30 PM TUE 28/12/10
Fitzroy R at Riverslea *	22.64m	rising	11:20 AM TUE 28/12/10
Fitzroy R at Rockhampton	7.75m	rising	09:00 AM TUE 28/12/10

*,# automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:51 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers.

Record major flood levels have been reached in the Dawson River at Theodore and the river continues to rise at Theodore and Baralaba. The Nogoa River at Emerald is expected to reach major flood level of 15 metres during this week. The

Fitzroy River at Rockhampton is expected to continue rising and reach major flood levels during next week.

CONNORS/ISAAC RIVER SYSTEM:
Major flooding is nearing a peak at Yatton along the Isaac River. Levels will stay high overnight and remain above 15 metres during Wednesday and Thursday.

NOGOA RIVER:
Fast river rises to major flood levels continue in the upper Nogoa River at Raymond and Craigmore. Fast rises will continue at Fairbairn Dam and Emerald overnight and during Wednesday. The Nogoa River at Emerald is expected to reach the major flood level of 15 metres by Thursday morning. Further rises are expected at Emerald with the level expected to reach a similar level to the 2008 flood (15.36 metres) on Friday morning. This prediction will be updated as upstream peaks are recorded.

COMET RIVER:
Further fast river rises will occur along the Comet River during the next two days which will prolong major flooding in the area for at least this week. Record major flood levels have already been reached at the Comet River at The Lake. Record flood levels in excess of the 1954 peak height (13.19 metres) are possible at Comet Weir.

MACKENZIE RIVER:
River rises and renewed major flooding will continue from the Comet Junction area to Bingegang this week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

Taroom continues to rise quickly and the peak is now expected to be near 9.5 metres overnight. Major flood levels are continuing to rise very slowly in the Dawson River at Theodore. Upstream of Moura at Woodleigh, the river height at 5pm Tuesday was 18.12 metres and rising. Floodwaters from the Taroom area will prolong major flood levels at Theodore and downstream during this week and into next week.

Further rainfall and record flood levels in Mimosa creek will cause renewed rises in the Dawson River at Baralaba. Major flood levels are likely to reach 15 metres during Wednesday at Baralaba with further rises possible.

Major flood levels are rising fast at Rannes along the Don River.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 7.8 metres at 3pm Tuesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Exceed 15 metres (major) overnight Wednesday.
Reach near 15.3 metres (major) during Friday.

DAWSON RIVER:

Taroom: Peak near 9.5 metres (major) overnight Wednesday
Theodore: Rises to 15 metres (major) still possible during Wednesday
Moura: Further rises to 13 metres (major) possible Wednesday
Baralaba: Further rises to 15 metres (major) possible Wednesday

FITZROY RIVER:

Rockhampton: Reach 8 metres (moderate) later this week and continue rising.
Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 11:30pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	14.14m	falling	05:00 PM TUE 28/12/10
Juandah Ck at Windamere *	8.52m	falling	05:00 PM TUE 28/12/10
Dawson R at Taroom *	9.01m	rising	05:00 PM TUE 28/12/10
Dawson R at Theodore	14.59m	rising	10:45 AM TUE 28/12/10
Dawson R at Moura	12.5m	rising	09:00 AM TUE 28/12/10
Mimosa Ck at Redcliff *	8.98m	falling	05:00 PM TUE 28/12/10
Dawson R at Baralaba	14.6m	rising	02:45 PM TUE 28/12/10
Dawson R at Beckers *	17.9m	rising	05:00 PM TUE 28/12/10
Dawson R at Knebworth *	17.48m	rising	05:10 PM TUE 28/12/10
Comet R at The Lake *	17.06m	steady	04:00 PM TUE 28/12/10
Comet R at Comet Weir *	11.05m	rising	04:00 PM TUE 28/12/10
Nogoa R at Craigmore #	16.81m	rising	05:48 PM TUE 28/12/10
Nogoa R at Fairbairn Dam HW *	2.5m	rising	05:45 PM TUE 28/12/10
Nogoa R at Emerald #	11.9m	rising	05:55 PM TUE 28/12/10
Policeman's Ck at Rubyvale #	0.8m	steady	04:55 PM TUE 28/12/10
Theresa Ck at Gregory Highway #	9.22m	rising	05:46 PM TUE 28/12/10
Mackenzie R at Bedford Weir TW #	17.25m	rising	05:51 PM TUE 28/12/10
Connors R at Pink Lagoon *	13.55m	falling	05:00 PM TUE 28/12/10
Isaac R at Yatton *	16.54m	rising	05:00 PM TUE 28/12/10
Mackenzie R at Tartrus *	14.52m	rising	05:40 PM TUE 28/12/10
Fitzroy R at Rockhampton	7.8m	rising	03:10 PM TUE 28/12/10

*automaic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN

Issued at 12:24 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers.

Record major flood levels have been reached in the Dawson River at Theodore and the river continues to rise at Theodore and Baralaba. The Nogoa River at Emerald is expected to reach the major flood level of 15 metres during this week. The Fitzroy River at Rockhampton is expected to continue rising and reach major flood levels during next week.

CONNORS/ISAAC RIVER SYSTEM:
Major flooding is nearing a peak at Yatton along the Isaac River. Levels will stay high overnight and remain above 15 metres during Wednesday and Thursday.

NOGOA RIVER:
Fast river rises to major flood levels continue in the upper Nogoa River at Craigmore to record levels. Fast rises will continue at Fairbairn Dam and Emerald overnight and during Wednesday. The Nogoa River at Emerald is expected to reach the major flood level of 15 metres by Thursday morning. Further rises are expected at Emerald with the level expected to reach a similar level to the 2008 flood (15.36 metres) on Friday morning. This prediction will be updated as upstream peaks are recorded.

COMET RIVER:
Further fast river rises will occur along the Comet River during the next two days which will prolong major flooding in the area for at least this week. Record major flood levels have already been reached at the Comet River at The Lake. Record flood levels in excess of the 1954 peak height (13.19 metres) are possible at Comet Weir.

MACKENZIE RIVER:
River rises and renewed major flooding will continue from the Comet Junction area to Bingegang this week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

Taroom continues to rise quickly and is expected to peak overnight, most likely around the 10 metre mark although rises beyond 10 metres cannot be ruled out. Major flood levels are continuing to rise very slowly in the Dawson River at Theodore. Upstream of Moura at Woodleigh, the river height at 10pm Tuesday was 18.26 metres and rising. Floodwaters from the Taroom area will prolong major flood levels at Theodore and downstream during this week and into next week.

Further rainfall and record flood levels in Mimosa creek will cause renewed rises in the Dawson River at Baralaba. Major flood levels are likely to reach 15 metres during Wednesday at Baralaba with further rises possible.

Major flood levels are nearing a peak at Rannes along the Don River.

FITZROY RIVER:
Renewed rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 7.85 metres at 9pm Tuesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Exceed 15 metres (major) overnight Wednesday.
Reach near 15.3 metres (major) during Friday.

DAWSON RIVER:

Taroom: Expected to peak below or at 10 metres (major) overnight.
Theodore: Rises to 15 metres (major) possible during Wednesday
Moura: Further rises to 13 metres (major) possible Wednesday
Baralaba: Further rises above 15 metres (major) likely during Wednesday

FITZROY RIVER:

Rockhampton: Reach 8 metres (moderate) later this week and continue rising.
Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued by 9am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	13.81m falling	10:00 PM TUE 28/12/10
Juandah Ck at Windamere *	8.11m falling	08:00 PM TUE 28/12/10
Dawson R at Taroom *	9.48m rising	10:00 PM TUE 28/12/10
Dawson R at Theodore	14.59m rising	10:45 AM TUE 28/12/10
Dawson R at Moura	12.5m rising	09:00 AM TUE 28/12/10
Mimosa Ck at Redcliff *	8.65m falling	10:00 PM TUE 28/12/10
Dawson R at Baralaba	14.8m rising	09:00 PM TUE 28/12/10
Dawson R at Beckers *	18.1m rising	08:00 PM TUE 28/12/10
Dawson R at Knebworth *	17.48m rising	09:10 PM TUE 28/12/10
Comet R at The Lake *	-99m falling	09:00 PM TUE 28/12/10
Comet R at Comet Weir *	11.44m rising	10:00 PM TUE 28/12/10
Nogoa R at Craigmore #	17.36m rising	10:42 PM TUE 28/12/10
Nogoa R at Fairbairn Dam HW *	2.7m rising	09:10 PM TUE 28/12/10
Nogoa R at Emerald #	12.15m rising	10:44 PM TUE 28/12/10
Policeman's Ck at Rubyvale #	0.75m steady	10:55 PM TUE 28/12/10
Theresa Ck at Gregory Highway #	9.42m rising	10:51 PM TUE 28/12/10
Mackenzie R at Bedford Weir TW #	17.38m steady	11:06 PM TUE 28/12/10
Connors R at Pink Lagoon *	13.39m falling	10:00 PM TUE 28/12/10
Isaac R at Yatton *	16.53m steady	08:00 PM TUE 28/12/10
Mackenzie R at Tartrus *	14.52m rising	05:40 PM TUE 28/12/10
Fitzroy R at Rockhampton	7.85m rising slowly	09:00 PM TUE 28/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 8:59 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers with continued river rises.

The Nogoa River at Emerald should peak on Friday about 0.3 metres higher than the 2008 flood.

Record major flooding continues along the Comet River.

Major flooding will continue to rise along the Mackenzie River and reach levels similar to or higher than 1978 flood levels in the Comet-Nogoa River junction area on the weekend and extend to the Bingegang area early next week.

On the upper Dawson River at Taroom, fast river rises have continued overnight to 10.06 metres. This exceeds the 1956 flood by nearly a metre and rises are continuing. Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. These upper Dawson floodwaters will maintain the major flooding in the Theodore to Baralaba area for at least the next 7 days.

The Fitzroy River at Rockhampton is expected to continue rising and reach major flood levels during next week. River levels at Rockhampton are expected to exceed 8.5 metres next week.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding is peaking just above 16 metres. Levels will remain above 15 metres during Wednesday and Thursday.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight Thursday. The Nogoa River at Emerald should peak on Friday about 0.3 metres higher than the 2008 flood. (The 2008 flood peaked at 15.36 metres.)

COMET RIVER:
Further fast river rises will occur along the Comet River during the next two days which will prolong record major flooding in the area for at least this week. Record flood levels well above the 1954 flood (13.19 metres) are expected at Comet Weir.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach levels similar to or higher than 1978 flood levels in the Comet-Nogoa River junction area on the weekend and extend to the Bingegang area early next week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, fast river rises have continued overnight to 10.06 metres. This exceeds the 1956 flood by nearly a metre and rises are

continuing. Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. These upper Dawson floodwaters will maintain the major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 7.9 metres at 7am Wednesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Reach about 15.7 metres during Friday.

DAWSON RIVER:

Taroom: Peak above 10 metres Wednesday or overnight
Theodore: Maintain high flood levels for at least next 5 days
Baralaba: Further rises above 15 metres (major) during Wednesday. Maintain high flood levels for next week.

FITZROY RIVER:

Rockhampton: Reach 8 metres (moderate) later this week and continue rising.
Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued at about 4pm Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	12.81m	falling	08:00 AM WED 29/12/10
Juandah Ck at Windamere *	5.42m	falling	07:30 AM WED 29/12/10
Dawson R at Taroom *	10.16m	rising	08:00 AM WED 29/12/10
Dawson R at Theodore	14.59m	rising	10:45 AM TUE 28/12/10
Dawson R at Moura	12.5m	rising	09:00 AM TUE 28/12/10
Dawson R at Baralaba	15.1m	rising	08:30 AM WED 29/12/10
Dawson R at Beckers *	18.35m	steady	08:00 AM WED 29/12/10
Dawson R at Knebworth *	17.63m	steady	08:10 AM WED 29/12/10
Comet R at Comet Weir *	13.39m	rising	08:00 AM WED 29/12/10
Nogoa R at Craigmore #	17.76m	rising	08:30 AM WED 29/12/10
Nogoa R at Fairbairn Dam HW *	3.58m	rising	08:35 AM WED 29/12/10
Nogoa R at Emerald #	13.2m	rising	08:45 AM WED 29/12/10
Mackenzie R at Bedford Weir TW #	17.61m	steady	08:45 AM WED 29/12/10
Connors R at Pink Lagoon *	13.04m	falling	08:00 AM WED 29/12/10
Isaac R at Yatton *	16.35m	falling	08:00 AM WED 29/12/10
Mackenzie R at Tartrus *	15.61m	rising	07:50 AM WED 29/12/10
Fitzroy R at Rockhampton	7.9m	steady	07:00 AM WED 29/12/10

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 4:21 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers with continued river rises.

The Nogoa River at Emerald should peak on Friday about 0.3 metres higher than the 2008 flood.

Record major flooding continues along the Comet River. Major flooding will continue to rise along the Mackenzie River and reach levels similar to or higher than the 1978 flood levels in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week.

On the Dawson River at Taroom, a peak of up to 10.6 metres is expected overnight. Fast river rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 4 days and keep levels high at Baralaba for around 7 days.

The Fitzroy River at Rockhampton is expected to exceed the major flood level of 8.5 metres during next week.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding is peaking just above 16 metres. Levels will remain above 15 metres during Wednesday and Thursday.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight Thursday. The Nogoa River at Emerald should peak on Friday about 0.3 metres higher than the 2008 flood. (The 2008 flood peaked at 15.36 metres.)

COMET RIVER:
Further fast river rises will occur along the Comet River during the next two days which will prolong record major flooding in the area for at least this week. Record flood levels well above the 1954 flood (13.19 metres) are occurring at Comet Weir. A peak is expected overnight of just above 14 metres.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach levels similar to or higher than 1978 flood levels in the Comet-Nogoa River junction area on the weekend and extend to the Bingegang area early next week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, fast river rises have continued today to 10.38 metres. This exceeds the 1956 flood by over a metre and rises are continuing. A peak is expected of up to 10.6 metres overnight. Levels will remain high through Thursday.

Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. These upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8 metres at 3pm Wednesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Reach about 15.7 metres during Friday.

DAWSON RIVER:

Taroom: Peak around 10.6 metres overnight
Theodore: Maintain high flood levels for at least next 5 days
Baralaba: Further rises above 15 metres (major) during Wednesday. Maintain high flood levels for next week.

FITZROY RIVER:

Rockhampton: Reach 8 metres (moderate) later this week and continue rising.
Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued at about 10pm Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	12.14m falling	02:00 PM WED 29/12/10
Juandah Ck at Windamere *	3.92m falling	02:00 PM WED 29/12/10
Dawson R at Taroom *	10.38m rising	02:00 PM WED 29/12/10
Mimosa Ck at Redcliff *	5.69m falling	02:00 PM WED 29/12/10
Dawson R at Baralaba	15.15m rising	03:00 PM WED 29/12/10
Dawson R at Beckers *	18.35m steady	08:00 AM WED 29/12/10
Dawson R at Knebworth *	17.77m rising	03:05 PM WED 29/12/10
Comet R at The Lake *	-99m steady	02:34 AM WED 29/12/10
Comet R at Comet Weir *	13.92m steady	02:00 PM WED 29/12/10
Nogoa R at Craigmore #	17.61m steady	02:48 PM WED 29/12/10
Nogoa R at Fairbairn Dam HW *	4.13m rising	03:10 PM WED 29/12/10
Nogoa R at Emerald #	14.1m rising	03:55 PM WED 29/12/10
Policeman's Ck at Rubyvale #	0.75m steady	01:55 PM WED 29/12/10
Theresa Ck at Gregory Highway #	9.52m steady	01:30 PM WED 29/12/10

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Mackenzie R at Bedford Weir TW #   17.75m steady       02:06 PM WED 29/12/10
Connors R at Pink Lagoon *         12.89m falling      02:00 PM WED 29/12/10
Isaac R at Yatton *                16.23m falling      02:00 PM WED 29/12/10
Mackenzie R at Tartrus *           15.68m rising       09:30 AM WED 29/12/10
Fitzroy R at Riverslea *           24.69m rising       02:30 PM WED 29/12/10
Fitzroy R at Rockhampton           7.95m rising slowly 03:00 PM WED 29/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:59 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises.

The Nogoa River at Emerald should peak on Friday up to 0.5 metres higher than
the 2008 flood.

Record major flooding continues along the Comet River.  Major flooding will
continue to rise along the Mackenzie River and reach levels similar to or higher
than the 1978 flood levels in the Comet-Nogoa River junction area during the
weekend and extend to the Bingegang area early next week.

On the Dawson River at Taroom, a peak of up to 10.6 metres is expected
overnight. Fast river rises to levels above the 1956 flood levels will extend
downstream to the Theodore area during the next 4 days and keep levels high at
Baralaba for around 7 days.

The Fitzroy River at Rockhampton is expected to exceed the major flood level of
8.5 metres during next week.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres.
Levels will remain above 15 metres during Wednesday and Thursday. Further
rainfall today will cause fast rises in the upper catchment.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight Thursday. Based on current inflows
to Lake Maraboon, the flood peak at Emerald could be up to half a metre higher
than the 2008 flood. (The 2008 flood peaked at 15.36 metres.)

COMET RIVER:
Further fast river rises will occur along the Comet River during the next two
days which will prolong record major flooding in the area for at least this
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week. Record flood levels well above the 1954 flood (13.19 metres) are occurring at Comet Weir. A peak of around 14 metres is expected overnight.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach levels similar to or higher than 1978 flood levels in the Comet-Nogoa River junction area on the weekend and extend to the Bingegang area early next week.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, fast river rises have continued today to 10.38 metres. This exceeds the 1956 flood by over a metre and rises are continuing. A peak is expected of up to 10.6 metres overnight. Levels will remain high through Thursday.

Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. These upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8 metres at 8pm Wednesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Reach up to 15.9 metres during Friday.

DAWSON RIVER:

Taroom: Peak around 10.6 metres overnight
Theodore: Maintain high flood levels for at least next 5 days
Baralaba: Further rises above 15 metres (major) during Wednesday. Maintain high flood levels for next week.

FITZROY RIVER:

Rockhampton: Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued at about 7am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	11.5m falling	08:00 PM WED 29/12/10
Juandah Ck at Windamere *	3.33m falling	08:00 PM WED 29/12/10
Dawson R at Taroom *	10.43m steady	08:00 PM WED 29/12/10
Mimosa Ck at Redcliff *	5.4m falling	08:00 PM WED 29/12/10
Dawson R at Baralaba	15.25m rising slowly	09:00 PM WED 29/12/10

Dawson R at Beckers *	18.35m steady	08:00 AM WED 29/12/10
Dawson R at Knebworth *	17.81m rising	09:10 PM WED 29/12/10
Comet R at The Lake *	15.82m rising	07:20 PM WED 29/12/10
Comet R at Comet Weir *	13.97m steady	08:00 PM WED 29/12/10
Nogoa R at Craigmore #	17.21m falling	09:29 PM WED 29/12/10
Nogoa R at Fairbairn Dam HW *	4.59m rising	09:10 PM WED 29/12/10
Nogoa R at Emerald #	14.7m rising	09:39 PM WED 29/12/10
Policeman's Ck at Rubyvale #	0.7m steady	07:55 PM WED 29/12/10
Theresa Ck at Gregory Highway #	9.52m steady	07:30 PM WED 29/12/10
Mackenzie R at Bedford Weir TW #	18.01m rising	09:40 PM WED 29/12/10
Connors R at Pink Lagoon *	12.86m steady	08:00 PM WED 29/12/10
Isaac R at Yatton *	16.15m steady	08:00 PM WED 29/12/10
Mackenzie R at Tartrus *	15.68m rising	09:30 AM WED 29/12/10
Fitzroy R at Riverslea *	25.08m falling	08:10 PM WED 29/12/10
Fitzroy R at Rockhampton	8m rising slowly	08:00 PM WED 29/12/10

*automatic station

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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:12 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises.

The Nogoa River at Emerald should peak on Friday up to 16.2 metres (0.8 metres
higher than the 2008 flood.)

Record major flooding continues along the Comet River although levels are
falling. Major flooding will continue to rise along the Mackenzie River and
reach higher levels than the 1978 flood in the Comet-Nogoa River junction area
during the weekend and extend to the Bingegang area early next week.

On the Dawson River at Taroom, a peak of 10.43 metres occurred on Wednesday
evening (1.2 metres above the 1956 flood level) Fast river rises to levels above
the 1956 flood levels will extend downstream to the Theodore area during the
next 4 days and keep levels high at Baralaba for around 7 days.

The Fitzroy River at Rockhampton is expected to exceed the major flood level of
8.5 metres during next week.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres.
Levels will remain above 15 metres during Thursday and Friday. Further rainfall

overnight will cause fast rises in the upper catchment.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight tonight. Based on current inflows to Lake Maraboon, the flood peak at Emerald could be up to 0.8 of a metre higher than the 2008 flood. (The 2008 flood peaked at 15.4 metres.)

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir although high level major flooding will continue through Thursday. Record flood levels well above the 1954 flood (13.19 metres) are occurring at Comet Weir where a peak of 14 metres was observed overnight.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach higher than 1978 flood level of 23.15 metres in the Yakcam area during the the weekend and extend downstream to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, a peak of 10.43 metres was recorded at 7pm Wednesday. This exceeds the 1956 flood by about 1.2 metres. Levels will remain high through Thursday.

Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. Levels at Theodore are expected to return to similar levels observed earlier this week. These upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8 metres at 11pm Wednesday and rising with moderate flooding. Rises will continue with major flood levels (above 8.5 metres) expected during next week. Rockhampton river levels are expected to remain above 8 metres for up to 10 days. It will be into the weekend before an initial assessment of the peak can be made.

Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Reach up to 16.2 metres during Friday.

DAWSON RIVER:

Theodore: Maintain high flood levels for at least next 5 days
Baralaba: Further rises above 15 metres (major) during Wednesday.
Maintain high flood levels for next week.

FITZROY RIVER:

Rockhampton: Reach 8.5 metres (major) late in the weekend.

Further predictions will be made as upstream peaks are observed. Higher levels are possible with the forecast of further heavy rainfall.

Next Issue:
The next warning will be issued at about 1pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	10.42m falling	05:00 AM THU 30/12/10
Juandah Ck at Windamere *	2.84m falling	05:00 AM THU 30/12/10
Dawson R at Taroom *	10.25m falling	05:00 AM THU 30/12/10
Mimosa Ck at Redcliff *	5.01m falling	05:00 AM THU 30/12/10
Dawson R at Baralaba	15.2m falling slowly	06:00 AM THU 30/12/10
Dawson R at Beckers *	18.35m steady	08:00 AM WED 29/12/10
Dawson R at Knebworth *	17.82m rising	05:10 AM THU 30/12/10
Comet R at The Lake *	15.82m rising	07:20 PM WED 29/12/10
Comet R at Comet Weir *	13.77m falling	05:00 AM THU 30/12/10
Nogoa R at Craigmore #	16.36m falling	06:28 AM THU 30/12/10
Nogoa R at Fairbairn Dam HW *	5.1m rising	05:35 AM THU 30/12/10
Nogoa R at Emerald #	15.4m rising	06:05 AM THU 30/12/10
Policeman's Ck at Rubyvale #	0.7m steady	04:55 AM THU 30/12/10
Theresa Ck at Gregory Highway #	9.57m steady	04:30 AM THU 30/12/10
Mackenzie R at Bedford Weir TW #	19.08m rising	06:22 AM THU 30/12/10
Connors R at Pink Lagoon *	12.82m steady	05:28 AM THU 30/12/10
Isaac R at Yatton *	16.06m steady	05:00 AM THU 30/12/10
Mackenzie R at Tartrus *	15.68m rising	09:30 AM WED 29/12/10
Fitzroy R at Riverslea *	25.71m rising	05:30 AM THU 30/12/10
Fitzroy R at Rockhampton	8m rising	10:50 PM WED 29/12/10

*automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 9:50 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises.

The Nogoa River at Emerald should peak up to 16.2 metres (0.8 metres higher than
the 2008 flood) on Friday.

The Fitzroy River at Rockhampton is expected to reach 9 metres by Sunday with
further rises to 9.4 metres by Tuesday. This is similar to the 1991 and 1954
flood levels.

Record major flooding continues along the Comet River although levels are

falling. Major flooding will continue to rise along the Mackenzie River and reach higher levels than the 1978 flood in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week.

On the Dawson River at Taroom, a peak of 10.43 metres occurred on Wednesday evening (1.2 metres above the 1956 flood level) Fast river rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 4 days and keep levels high at Baralaba for around 7 days.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres. Levels will remain above 15 metres during Thursday and Friday. Further rainfall overnight will cause fast rises in the upper catchment.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight tonight. Based on current inflows to Lake Maraboon, the flood peak at Emerald could be up to 0.8 of a metre higher than the 2008 flood. (The 2008 flood peaked near 15.4 metres.)

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir although high level major flooding will continue through Thursday. Record flood levels well above the 1954 flood (13.19 metres) are occurring at Comet Weir where a peak of 14 metres was observed overnight.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach higher than 1978 flood level of 23.15 metres in the Yakcam area during the the weekend and extend downstream to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, a peak of 10.43 metres was recorded at 7pm Wednesday. This exceeds the 1956 flood by about 1.2 metres. Levels will remain high through Thursday.

Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. Levels at Theodore are expected to return to similar levels observed earlier this week. These upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8 metres at 11pm Wednesday and rising with moderate flooding. Rises will continue with major flood levels reaching 9 metres by Sunday morning with further rises.

Rockhampton is expected to reach about 9.4 metres by Tuesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 9 metres for up to 10 days. These predictions will be revised as upstream peaks are observed.

(Predictions for Yaamba will be provided in the next warning.)

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Reach up to 16.2 metres during Friday.

DAWSON RIVER:

Theodore: Maintain high flood levels for at least next 5 days
Baralaba: Further rises above 15 metres (major) during Wednesday.
Maintain high flood levels for next week.

FITZROY RIVER:

Rockhampton: Reach 9 metres on Sunday morning with further rises.
Reach about 9.4 metres by Tuesday with possible further rises.

Further predictions will be made as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 2pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	9.99m falling	08:00 AM THU 30/12/10
Juandah Ck at Windamere *	2.72m falling	08:00 AM THU 30/12/10
Dawson R at Taroom *	10.15m falling	08:00 AM THU 30/12/10
Mimosa Ck at Redcliff *	4.9m falling	08:00 AM THU 30/12/10
Dawson R at Baralaba	15.15m falling slowly	09:00 AM THU 30/12/10
Dawson R at Knebworth *	17.82m rising	08:20 AM THU 30/12/10
Comet R at Comet Weir *	13.67m falling	08:00 AM THU 30/12/10
Nogoa R at Craigmore #	16.06m falling	09:05 AM THU 30/12/10
Nogoa R at Fairbairn Dam HW *	5.23m rising	08:20 AM THU 30/12/10
Nogoa R at Emerald #	15.55m rising	08:45 AM THU 30/12/10
Theresa Ck at Gregory Highway #	9.57m steady	07:30 AM THU 30/12/10
Mackenzie R at Bedford Weir TW #	19.58m rising	09:20 AM THU 30/12/10
Connors R at Pink Lagoon *	12.78m falling	08:00 AM THU 30/12/10
Isaac R at Yatton *	16.05m steady	08:00 AM THU 30/12/10
Mackenzie R at Tartrus *	16.08m falling	08:10 AM THU 30/12/10
Fitzroy R at Riverslea *	25.85m rising	08:00 AM THU 30/12/10
Fitzroy R at Rockhampton	8.01m rising slowly	06:00 AM THU 30/12/10

*automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 2:39 PM on Thursday the 30th of December 2010

by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers with continued river rises.

The Nogoa River at Emerald should peak up to 16.2 metres (0.8 metres higher than the 2008 flood) on Friday.

The Fitzroy River at Rockhampton is expected to reach 9 metres by Sunday with further rises to 9.4 metres by Tuesday. This is similar to the 1991 and 1954 flood levels.

Record major flooding continues along the Comet River although levels are falling. Major flooding will continue to rise along the Mackenzie River and reach higher levels than the 1978 flood in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week.

On the Dawson River at Taroom, a peak of 10.43 metres occurred on Wednesday evening (1.2 metres above the 1956 flood level) Fast river rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 4 days and keep levels high at Baralaba for around 7 days.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres. Levels will remain above 15 metres during Thursday and Friday. Further rainfall overnight will cause fast rises in the upper catchment.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight tonight. Based on current inflows to Lake Maraboon, the flood peak at Emerald could be up to 0.8 of a metre higher than the 2008 flood. (The 2008 flood peaked near 15.4 metres.)

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir although high level major flooding will continue through Thursday. Record flood levels well above the 1954 flood (13.19 metres) are occurring at Comet Weir where a peak of 14 metres was observed overnight.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach higher than 1978 flood level of 23.15 metres in the Yakcam area during the the weekend and extend downstream to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, a peak of 10.43 metres was recorded at 7pm Wednesday. This exceeds the 1956 flood by about 1.2 metres. Levels will remain high through Thursday.

Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. Levels at Theodore are expected to return to similar levels observed earlier this week. These upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8 metres at 9am Thursday and rising with

moderate flooding. Rises will continue with major flood levels reaching 9 metres by Sunday morning with further rises.

Rockhampton is expected to reach about 9.4 metres by Tuesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 9 metres for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16.1 metres on Saturday with further rises to around 16.6 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Reach up to 16.2 metres during Friday.

DAWSON RIVER:

Theodore: Maintain high flood levels for at least next 5 days
Baralaba: Further rises above 15 metres (major) during Wednesday.
Maintain high flood levels for next week.

FITZROY RIVER:

Rockhampton: Reach 9 metres on Sunday morning with further rises.
Reach about 9.4 metres by Tuesday with possible further rises.

Yaamba: Reach around 16.1 metres during Saturday with further rises.
Reach about 16.6 metres on Monday with possible further rises.

Further predictions will be made as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 7pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	9.39m falling	12:00 PM THU 30/12/10
Juandah Ck at Windamere *	2.6m falling	12:00 PM THU 30/12/10
Dawson R at Taroom *	9.97m falling	12:00 PM THU 30/12/10
Dawson R at Theodore	14.05m rising	10:30 AM THU 30/12/10
Dawson R at Moura	12.48m estimated peak	09:00 AM THU 30/12/10
Mimosa Ck at Redcliff *	4.83m steady	12:00 PM THU 30/12/10
Dawson R at Baralaba	15.15m falling slowly	09:00 AM THU 30/12/10
Dawson R at Beckers *	18.35m falling	05:00 AM THU 30/12/10
Dawson R at Knebworth *	17.75m falling	12:10 PM THU 30/12/10
Comet R at The Lake *	15.82m rising	07:20 PM WED 29/12/10
Comet R at Comet Weir *	13.52m falling	12:00 PM THU 30/12/10
Nogoa R at Craigmore #	15.56m falling	01:06 PM THU 30/12/10
Nogoa R at Fairbairn Dam HW *	5.37m rising	12:00 PM THU 30/12/10
Nogoa R at Emerald #	15.75m rising	12:17 PM THU 30/12/10
Policeman's Ck at Rubyvale #	0.7m steady	10:55 AM THU 30/12/10
Theresa Ck at Gregory Highway #	9.52m steady	10:30 AM THU 30/12/10
Mackenzie R at Bedford Weir TW #	20.08m falling	12:59 PM THU 30/12/10
Connors R at Pink Lagoon *	12.71m falling	12:00 PM THU 30/12/10
Isaac R at Yatton *	16.01m rising	12:00 PM THU 30/12/10
Mackenzie R at Tartrus *	16.08m falling	08:10 AM THU 30/12/10
Fitzroy R at Riverslea *	26.14m rising	12:20 PM THU 30/12/10
Fitzroy R at Rockhampton	8m steady	09:00 AM THU 30/12/10

*,# automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:20 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers with continued river rises.

The Nogoa River at Emerald should peak up to 16.2 metres (0.8 metres higher than the 2008 flood) on Friday.

The Fitzroy River at Rockhampton is expected to reach 9 metres by Sunday with further rises to 9.4 metres by Tuesday. This is similar to the 1991 and 1954 flood levels.

Record major flooding continues along the Comet River although levels are falling. Major flooding will continue to rise along the Mackenzie River and reach higher levels than the 1978 flood in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week.

On the Dawson River at Taroom, a peak of 10.43 metres occurred on Wednesday evening (1.2 metres above the 1956 flood level) Fast river rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 4 days and keep levels high at Baralaba for around 7 days.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres. Levels will remain above 15 metres during Thursday night and Friday. Further rainfall Wednesday night will cause fast rises in the upper catchment.

NOGOA RIVER:
Fairbairn Dam is expected to peak overnight Thursday. Based on current inflows to Lake Maraboon, the flood peak at Emerald could be up to 0.8 of a metre higher than the 2008 flood. (The 2008 flood peaked near 15.4 metres.)

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir although high level major flooding will continue into next week. Record flood levels well above the 1954 flood (13.19 metres) are occurring at Comet Weir where a peak of 14 metres was observed overnight Wednesday.

MACKENZIE RIVER:
Major flooding will continue to rise along the Mackenzie River and reach higher than the 1978 flood level of 23.15 metres in the Yakcam area during the weekend

and extend downstream to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

On the upper Dawson River at Taroom, a peak of 10.43 metres was recorded at 7pm Wednesday. This exceeds the 1956 flood by about 1.2 metres. Levels will remain high through Thursday.

Fast river rises to levels above the 1956 flood levels will extend along the Dawson River to the Theodore area during the next 4 days. Levels at Theodore are expected to return to at least similar levels observed earlier this week. These upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 7 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8.05 metres at 3pm Thursday and rising with moderate flooding. Rises will continue with major flood levels reaching 9 metres by Sunday morning with further rises.

Rockhampton is expected to reach about 9.4 metres by Tuesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 9 metres for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16.1 metres on Saturday with further rises to around 16.6 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Reach up to 16.2 metres during Friday.

DAWSON RIVER:

Theodore: Continue rising and exceed 14.5 metres early next week
Maintain high flood levels during next week
Baralaba: Renewed rises during next week but expected to be below previous peak levels.

FITZROY RIVER:

Yaamba: Reach around 16.1 metres during Saturday with further rises.
Reach about 16.6 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Sunday morning with further rises.
Reach about 9.4 metres by Tuesday with possible further rises.

Further predictions will be made as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 7am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	8.51m falling	06:00 PM THU 30/12/10
Juandah Ck at Windamere *	2.42m falling	06:00 PM THU 30/12/10
Dawson R at Taroom *	9.65m falling	06:00 PM THU 30/12/10

Dawson R at Theodore	14.05m rising	10:30 AM THU 30/12/10
Dawson R at Moura	12.48m estimated peak	09:00 AM THU 30/12/10
Mimosa Ck at Redcliff *	4.87m falling	06:00 PM THU 30/12/10
Dawson R at Baralaba	14.9m falling slowly	06:00 PM THU 30/12/10
Dawson R at Beckers *	18.36m steady	05:00 PM THU 30/12/10
Dawson R at Knebworth *	17.57m falling	06:10 PM THU 30/12/10
Comet R at The Lake *	15.82m rising	07:20 PM WED 29/12/10
Comet R at Comet Weir *	13.29m falling	06:00 PM THU 30/12/10
Nogoa R at Craigmore #	14.81m falling	07:04 PM THU 30/12/10
Nogoa R at Fairbairn Dam HW *	5.53m rising	06:45 PM THU 30/12/10
Nogoa R at Emerald #	15.9m steady	05:45 PM THU 30/12/10
Policeman's Ck at Rubyvale #	0.7m steady	04:55 PM THU 30/12/10
Theresa Ck at Gregory Highway #	9.47m falling	05:31 PM THU 30/12/10
Mackenzie R at Bedford Weir TW #	20.58m rising	06:45 PM THU 30/12/10
Connors R at Pink Lagoon *	12.57m steady	06:30 PM THU 30/12/10
Isaac R at Yatton *	15.94m falling	05:30 PM THU 30/12/10
Mackenzie R at Tartrus *	16.08m falling	08:10 AM THU 30/12/10
Fitzroy R at Riverslea *	26.39m falling	06:20 PM THU 30/12/10
Fitzroy R at Rockhampton	8.1m rising slowly	07:00 PM THU 30/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:34 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises and record flooding in many areas.

The Nogoa River at Emerald is peaking with a latest river height of 16.05 metres
at 6am Friday.

The Fitzroy River at Rockhampton is expected to reach 9 metres by Sunday with
further rises to 9.4 metres by Tuesday. This is similar to the 1991 and 1954
flood levels.

Major flooding continues along the Comet River although levels are falling.
Further slight rises are expected along the Mackenzie River below the Comet
junction. River levels are expected to be slightly above the 1978 flood levels
in the Comet-Nogoa River junction area during the weekend and extend to the
Bingegang area early next week.

On the Dawson River, the main flood peak is in The Glebe area. Fast river rises
to levels will extend downstream to the Theodore area during the next 2 days and
keep levels high at Baralaba for around 5 days. River levels at Theodore will
continue rising slowly and are expected to exceed last weekend's peak during

this weekend.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres. Levels will remain above 15 metres until the weekend.

NOGOA RIVER:
The Nogoa River at Emerald is peaking with a latest river height of 16.05 metres at 6am Friday. This level is about 0.7 metres above the 2008 flood. River levels will remain at their peak today with some rises continuing during the day in areas away from the main river channel. River levels at Emerald are expected to commence falling very slowly during Saturday.

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir with major flooding now easing slowly. Major flooding will continue into next week.

MACKENZIE RIVER:
Further slight rises are expected along the Mackenzie River below the Comet junction. River levels are expected to be slightly above the 1978 flood levels in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is in The Glebe area. River rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 2 days and keep levels high at Baralaba for around 5 days. River levels at Theodore will continue rising slowly and are expected to exceed last weekend's peak during this weekend. Theodore was 14.39 metres rising at 6am.

The upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 5 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8.2 metres at 6-30am Friday and rising with moderate flooding. Rises will continue with major flood levels reaching 9 metres by Sunday morning with further rises.

Rockhampton is expected to reach about 9.4 metres by Tuesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 9 metres for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16.1 metres on Saturday with further rises to around 16.6 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Currently peaking at Emerald with latest reading of 16.05 metres at 6am Friday.

DAWSON RIVER:

Theodore: Continue rising slowly and exceed 14.5 metres during the weekend
Maintain high flood levels during next week
Baralaba: Renewed rises during next week but expected to be below

this week's peak levels.

FITZROY RIVER:

Yaamba: Reach around 16.1 metres during Saturday with further rises.
Reach about 16.6 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Sunday morning with further rises.
Reach about 9.4 metres by Tuesday with possible further rises.

Predictions will be updated as upstream peaks are observed.

Next Issue:
The next warning will be issued at about noon Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	7.18m falling	05:00 AM FRI 31/12/10
Juandah Ck at Windamere *	2.18m falling	05:00 AM FRI 31/12/10
Dawson R at Taroom *	8.99m falling	05:00 AM FRI 31/12/10
Dawson R at Theodore	14.39m rising slowly	06:00 AM FRI 31/12/10
Dawson R at Baralaba	14.7m falling	06:00 AM FRI 31/12/10
Dawson R at Knebworth *	17.43m rising	06:10 AM FRI 31/12/10
Comet R at Comet Weir *	12.93m falling	05:00 AM FRI 31/12/10
Nogoa R at Craigmore #	13.31m falling	06:31 AM FRI 31/12/10
Nogoa R at Fairbairn Dam HW *	5.55m steady	06:00 AM FRI 31/12/10
Nogoa R at Emerald #	16.05m steady	05:45 AM FRI 31/12/10
Theresa Ck at Gregory Highway #	9.12m falling	06:37 AM FRI 31/12/10
Mackenzie R at Yakcam	23.00 falling	06:00 AM FRI 31/12/10
Mackenzie R at Bedford Weir TW #	21.04m rising	06:31 AM FRI 31/12/10
Connors R at Pink Lagoon *	12.43m falling	05:00 AM FRI 31/12/10
Isaac R at Yatton *	15.83m steady	05:00 AM FRI 31/12/10
Mackenzie R at Tartrus *	16.08m falling	08:10 AM THU 30/12/10
Fitzroy R at Riverslea *	26.84m rising	05:20 AM FRI 31/12/10
Fitzroy R at Rockhampton	8.2m rising slowly	06:27 AM FRI 31/12/10

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 12:07 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises and record flooding in many areas.

The Nogoa River at Emerald is peaking with a latest river height of 16 metres at 11:45am Friday.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Sunday with further rises to 9.4 metres by Tuesday. This is similar to the 1991 and 1954 flood levels.

Major flooding continues along the Comet River although levels are falling. Further slight rises are expected along the Mackenzie River below the Comet junction. River levels are expected to be slightly above the 1978 flood levels in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week.

On the Dawson River, the main flood peak is in The Glebe area. Fast river rises will extend downstream to the Theodore area during the next 2 days and keep levels high at Baralaba for around 5 days. River levels at Theodore will continue rising slowly and are expected to exceed last weekend's peak during this weekend.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres. Levels will remain above 15 metres until the weekend.

NOGOA RIVER:
The Nogoa River at Emerald is peaking with a latest river height of 16 metres at 11:45am Friday. This level is about 0.7 metres above the 2008 flood. River levels will remain at their peak today with some rises continuing during the day in areas away from the main river channel. River levels at Emerald are expected to commence falling very slowly during Saturday.

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir with major flooding now easing slowly. Major flooding will continue into next week.

MACKENZIE RIVER:
Further slight rises are expected along the Mackenzie River below the Comet junction. River levels are expected to be slightly above the 1978 flood levels in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is in The Glebe area. River rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 2 days and keep levels high at Baralaba for around 5 days. River levels at Theodore will continue rising slowly and are expected to exceed last weekend's peak during this weekend. Theodore was 14.39 metres rising at 6am.

The upper Dawson floodwaters will maintain the high level major flooding in the Theodore to Baralaba area for at least the next 5 days.

FITZROY RIVER:
Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8.2 metres at 6:30am Friday and rising with moderate flooding. Rises will continue with major flood levels reaching 9 metres on Sunday with further rises.

Rockhampton is expected to reach about 9.4 metres by Tuesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels.

Rockhampton river levels are expected to remain above 9 metres for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16.1 metres on Saturday with further rises to around 16.6 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Currently peaking at Emerald with latest reading of 16 metres at 11:45am Friday.

DAWSON RIVER:

Theodore: Continue rising slowly and exceed 14.5 metres during the weekend
Maintain high flood levels during next week.
Baralaba: Renewed rises during next week but expected to be below this week's peak levels.

FITZROY RIVER:

Yaamba: Reach around 16.1 metres during Saturday with further rises.
Reach about 16.6 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Sunday with further rises.
Reach about 9.4 metres by Tuesday with possible further rises.

Predictions will be updated as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 4pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.6m falling	11:00 AM FRI 31/12/10
Juandah Ck at Windamere *	2.07m falling	11:00 AM FRI 31/12/10
Dawson R at Taroom *	8.61m falling	11:00 AM FRI 31/12/10
Dawson R at Theodore	14.39m rising slowly	06:00 AM FRI 31/12/10
Mimosa Ck at Redcliff *	4.12m falling	11:00 AM FRI 31/12/10
Dawson R at Baralaba	14.6m falling	09:00 AM FRI 31/12/10
Dawson R at Beckers *	18.22m falling	08:00 AM FRI 31/12/10
Dawson R at Knebworth *	17.3m rising	11:10 AM FRI 31/12/10
Comet R at Comet Weir *	12.77m falling	11:00 AM FRI 31/12/10
Nogoa R at Craigmore #	12.61m steady	11:48 AM FRI 31/12/10
Nogoa R at Fairbairn Dam HW *	5.46m falling	11:45 AM FRI 31/12/10
Nogoa R at Emerald #	16m steady	11:45 AM FRI 31/12/10
Policeman's Ck at Rubyvale #	0.7m rising	11:06 AM FRI 31/12/10
Theresa Ck at Gregory Highway #	8.87m falling	10:58 AM FRI 31/12/10
Mackenzie R at Bedford Weir TW #	21.04m rising	11:50 AM FRI 31/12/10
Connors R at Pink Lagoon *	12.37m steady	10:00 AM FRI 31/12/10
Isaac R at Yatton *	15.79m steady	08:00 AM FRI 31/12/10
Mackenzie R at Tartrus *	15.93m rising	07:20 AM FRI 31/12/10
Fitzroy R at Riverslea *	26.98m steady	11:40 AM FRI 31/12/10
Fitzroy R at Rockhampton	8.2m steady	09:00 AM FRI 31/12/10

*,# from automatic station

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 4:19 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers with continued river rises and record flooding in many areas.

The Nogoa River at Emerald peaked at 16.05 metres at about 6am this morning and record major flood levels have remained steady around 16 metres during today.

The Fitzroy River at Rockhampton is expected to reach 9 metres by Monday with further rises to 9.4 metres by Wednesday next week. This is similar to the 1991 and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres. Levels will remain above 15 metres until the weekend.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres at about 6am this morning and levels have remained steady around 16 metres during today. This level is about 0.7 metres above the 2008 flood. River levels will relatively remain steady during Friday with some rises continuing during the day in areas away from the main river channel. River levels at Emerald are expected to commence falling very slowly during Saturday.

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir with major flooding now easing slowly. Major flooding will continue into next week.

MACKENZIE RIVER:
Further slight rises are expected along the Mackenzie River below the Comet junction. River levels are expected to be slightly above the 1978 flood levels in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is in The Glebe area. River rises to levels above the 1956 flood levels will extend downstream to the Theodore area during the next 2 days and keep levels high at Baralaba for around 5 days. River levels at Theodore will continue rising slowly and are expected to exceed last weekend's peak during this weekend. Theodore was 14.39 metres rising at 6am.

FITZROY RIVER:

Rises are occurring in the Fitzroy River between Riverslea and Yaamba. The Fitzroy River at Rockhampton was 8.2 metres at 9am Friday and rising slowly with moderate flooding. Rises will continue with major flood levels reaching 9 metres expected by Monday with further rises.

Rockhampton is expected to reach about 9.4 metres by Wednesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 9 metres for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16 metres late Saturday with further rises to around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Remain steady during Friday night at around 16 metres.
Fall more quickly during Saturday.

DAWSON RIVER:

Theodore: Continue to rise slowly and exceed 14.5 metres during the weekend. Maintain high flood levels during next week.
Baralaba: Renewed rises during next week but expected to be below this week's peak levels.

FITZROY RIVER:

Yaamba: Reach around 16 metres late Saturday with further rises.
Reach about 16.5 metres on Monday with possible further rises.
Rockhampton: Reach 9 metres on Monday with further rises.
Reach about 9.4 metres by Wednesday with possible further rises.

Predictions will be updated as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 8pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.26m falling	03:00 PM FRI 31/12/10
Juandah Ck at Windamere *	2.01m falling	03:00 PM FRI 31/12/10
Dawson R at Taroom *	8.36m falling	03:00 PM FRI 31/12/10
Dawson R at Theodore	14.39m rising slowly	06:00 AM FRI 31/12/10
Mimosa Ck at Redcliff *	4m falling	03:00 PM FRI 31/12/10
Dawson R at Baralaba	14.55m steady	03:00 PM FRI 31/12/10
Dawson R at Beckers *	17.97m falling	02:00 PM FRI 31/12/10
Dawson R at Knebworth *	17.23m steady	03:00 PM FRI 31/12/10
Comet R at Comet Weir *	12.7m falling	02:00 PM FRI 31/12/10
Nogoa R at Craigmore #	12.01m falling	04:05 PM FRI 31/12/10
Nogoa R at Fairbairn Dam HW *	5.39m falling	03:05 PM FRI 31/12/10
Nogoa R at Emerald #	15.95m falling	03:34 PM FRI 31/12/10
Policeman's Ck at Rubyvale #	0.7m steady	01:55 PM FRI 31/12/10
Theresa Ck at Gregory Highway #	8.57m falling	03:56 PM FRI 31/12/10
Mackenzie R at Bedford Weir TW #	20.88m falling	03:45 PM FRI 31/12/10
Connors R at Pink Lagoon *	12.33m steady	03:00 PM FRI 31/12/10
Isaac R at Yatton *	15.67m falling	02:00 PM FRI 31/12/10
Mackenzie R at Tartrus *	15.93m rising	07:20 AM FRI 31/12/10
Fitzroy R at Riverslea *	27.03m rising	03:30 PM FRI 31/12/10
Fitzroy R at Rockhampton	8.2m steady	09:00 AM FRI 31/12/10

*,# denotes automatic station.

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 8:11 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises and record flooding in many areas.

The Nogoa River at Emerald peaked at 16.05 metres at about 6am this morning and
record major flood levels are now starting to fall slowly.

The Fitzroy River at Rockhampton is expected to reach 9 metres by Monday with
further rises to 9.4 metres by Wednesday next week. This is similar to the 1991
and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres.
Levels will remain above 15 metres until the weekend.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres at about 6am this morning and
at 7pm was 15.9 metres and falling slowly. This level is about 1.5 metres over
the approaches to the Vince Lester Bridge. River levels at Emerald are expected
to continue falling very slowly during Saturday.

COMET RIVER:
Peaks have been observed along the Comet River to Comet Weir with major flooding
now easing slowly. Major flooding will continue into next week.

MACKENZIE RIVER:
Further slight rises are expected along the Mackenzie River below the Comet
junction. River levels are expected to be slightly above the 1978 flood levels
in the Comet-Nogoa River junction area during the weekend and extend to the
Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore,
Moura and Baralaba.

The main flood peak is in The Glebe area. River rises to levels above the 1956
flood levels will extend downstream to the Theodore area during the next 2 days
and keep levels high at Baralaba for around 5 days. River levels at Theodore
will continue rising slowly and are expected to exceed last weekend's peak
during this weekend. Theodore was 14.39 metres rising at 6am Friday.

FITZROY RIVER:
Rises are continuing in the Fitzroy River from Riverslea to Rockhampton. The Fitzroy River at Rockhampton was 8.3 metres at 6pm Friday and rising slowly with moderate flooding. Rises will continue with major flood levels reaching 9 metres expected by Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres by Wednesday with possible further rises. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16 metres late Saturday with further rises to around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Remain above 15 metres (major) until Sunday.

DAWSON RIVER:

Theodore: Continue to rise slowly and exceed 14.5 metres during the weekend. Maintain high flood levels during next week.
Baralaba: Renewed rises during next week but expected to be below this week's peak levels.

FITZROY RIVER:

Yaamba: Reach around 16 metres late Saturday with further rises. Reach about 16.5 metres on Monday with possible further rises.
Rockhampton: Reach 9 metres by Monday with further rises. Reach up to 9.4 metres by Wednesday with possible further rises.

Predictions will be updated as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 6.30am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	8.23m falling	05:00 PM FRI 31/12/10
Dawson R at Theodore	14.39m rising slowly	06:00 AM FRI 31/12/10
Dawson R at Baralaba	14.45m steady	07:00 PM FRI 31/12/10
Dawson R at Beckers *	17.85m falling	05:00 PM FRI 31/12/10
Dawson R at Knebworth *	17.13m falling	07:10 PM FRI 31/12/10
Comet R at The Lake *	14.53m falling	05:00 AM FRI 31/12/10
Comet R at Comet Weir *	12.61m falling	06:00 PM FRI 31/12/10
Nogoa R at Craigmore #	11.51m falling	07:53 PM FRI 31/12/10
Nogoa R at Fairbairn Dam HW *	5.28m falling	06:55 PM FRI 31/12/10
Nogoa R at Emerald #	15.9m falling	06:46 PM FRI 31/12/10
Theresa Ck at Gregory Highway #	8.32m falling	07:56 PM FRI 31/12/10
Mackenzie R at Bedford Weir TW #	20.74m falling	08:07 PM FRI 31/12/10
Connors R at Pink Lagoon *	12.33m steady	06:00 PM FRI 31/12/10
Isaac R at Yatton *	15.61m falling	05:00 PM FRI 31/12/10
Mackenzie R at Tartrus *	15.93m rising	07:20 AM FRI 31/12/10
Fitzroy R at Riverslea *	27.14m rising	06:30 PM FRI 31/12/10
Fitzroy R at Rockhampton	8.3m rising slowly	06:00 PM FRI 31/12/10

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:48 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises and record flooding in many areas.

The Nogoa River at Emerald has fallen 0.3 metres following its record major
flood peak of 16.05 metres during Friday.

On the Dawson River at Theodore, river levels will be higher then last weekend's
record peak of 14.6 metres until early next week.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Monday with
further rises up to 9.4 metres on Wednesday next week. This is similar to the
1991 and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres.
Moderate flood levels will continue easing the weekend.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres during Friday and at 5:45am
Saturday was 15.75 metres and falling slowly. This level is about 1.35 metres
over the approaches to the Vince Lester Bridge. River levels at Emerald are
expected to continue falling slowly during the weekend.

COMET RIVER:
Record major flood peaks have been observed along the Comet River to Comet Weir
with major flooding now easing slowly. Major flooding will continue into next
week.

MACKENZIE RIVER:
River levels are expected to be slightly above the 1978 flood levels in the
Comet-Nogoa River junction area during the weekend and extend to the Bingegang
area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore,
Moura and Baralaba.

The main flood peak is now downstream of The Glebe area. River rises to levels
above the 1956 flood levels will extend downstream to the Theodore area during

this weekend and keep levels high at Baralaba for at least the next 5 days. River levels at Theodore will be higher then last weekend's record peak of 14.6 metres until early next week.

FITZROY RIVER:
Rises are continuing in the Fitzroy River from Riverslea to Rockhampton, although Riverslea is now rising only very slowly. The Fitzroy River at Rockhampton was 8.4 metres at 6am Saturday and rising slowly with moderate flooding. Rises will continue with major flood levels reaching 9 metres on Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16 metres late Saturday with further rises to around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Remain above 15 metres (major) until Sunday.

DAWSON RIVER:

Theodore: Continue to rise slowly and exceed 14.5 metres during the weekend. Maintain high flood levels during next week.
Baralaba: Renewed rises during next week but expected to be below this week's peak levels.

FITZROY RIVER:

Yaamba: Reach around 16 metres late Saturday with further rises. Reach about 16.5 metres on Monday with possible further rises.
Rockhampton: Reach 9 metres on Monday with further rises. Reach up to 9.4 metres by Wednesday.

Predictions of the peak will be updated when a peak has been recorded at Riverslea.

Next Issue:
The next warning will be issued at about noon Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.17m falling	05:20 AM SAT 01/01/11
Juandah Ck at Windamere *	1.82m falling	05:00 AM SAT 01/01/11
Dawson R at Taroom *	7.47m falling	05:00 AM SAT 01/01/11
Dawson R at Theodore	NA	
Dawson R at Baralaba	14.15m falling	06:00 AM SAT 01/01/11
Dawson R at Beckers *	17.35m falling	05:00 AM SAT 01/01/11
Dawson R at Knebworth *	16.94m falling	05:05 AM SAT 01/01/11
Comet R at Comet Weir *	12.39m falling	05:00 AM SAT 01/01/11
Nogoa R at Craigmore #	9.96m falling	06:07 AM SAT 01/01/11
Nogoa R at Fairbairn Dam HW *	4.94m falling	05:45 AM SAT 01/01/11
Nogoa R at Emerald #	15.75m falling	05:45 AM SAT 01/01/11
Theresa Ck at Gregory Highway #	7.57m falling	05:56 AM SAT 01/01/11
Mackenzie R at Bedford Weir TW #	21.38m rising	06:07 AM SAT 01/01/11
Connors R at Pink Lagoon *	12.42m steady	05:00 AM SAT 01/01/11
Isaac R at Yatton *	15.29m falling	05:00 AM SAT 01/01/11

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Mackenzie R at Tartrus *           15.67m steady      06:30 AM SAT 01/01/11
Fitzroy R at Riverslea *         27.17m rising slowly 05:40 AM SAT 01/01/11
Fitzroy R at Rockhampton           8.4m rising slowly 06:07 AM SAT 01/01/11

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 12:17 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises and record flooding in many areas.

The Nogoa River at Emerald has fallen 0.45 metres following its record major
flood peak of 16.05 metres during Friday.

On the Dawson River at Theodore, river levels have already risen above than last
weekend's record peak of 14.6 metres until early next week. At 11am Saturday the
Dawson River at Theodore was 14.7 metres and rising.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Monday with
further rises up to 9.4 metres on Wednesday next week. This is similar to the
1991 and 1954 flood levels.


CONNORS/ISAAC RIVER SYSTEM:
At Yatton on the Isaac River, major flooding has peaked just above 16 metres.
Moderate flood levels will continue easing the weekend.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres during Friday and at 10.23am
Saturday was 15.6 metres and falling slowly. This level is about 1.2 metres over
the approaches to the Vince Lester Bridge. River levels at Emerald are expected
to continue falling slowly during the weekend.

COMET RIVER:
Record major flood peaks have been observed along the Comet River to Comet Weir
with major flooding now easing slowly. Major flooding will continue into next
week.

MACKENZIE RIVER:
River levels are expected to be slightly above the 1978 flood levels in the
Comet-Nogoa River junction area during the weekend and extend to the Bingegang
area early next week where levels of above 17 metres are expected.
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DAWSON RIVER:
Major flooding extends from Taroom to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is now downstream of The Glebe area. River rises to levels above the 1956 flood levels will extend downstream to the Theodore area during this weekend and keep levels high at Baralaba for at least the next 5 days. River levels at Theodore will be higher than last weekend's record peak of 14.6 metres until early next week. At 11am Saturday the Dawson River at Theodore was 14.7 metres and rising.

FITZROY RIVER:
Rises are continuing in the Fitzroy River from Riverslea to Rockhampton, although Riverslea is now rising only very slowly. The Fitzroy River at Rockhampton was 8.5 metres at 8:45am Saturday and rising slowly with moderate flooding. Rises will continue with major flood levels reaching 9 metres on Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16 metres late Saturday with further rises to around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Remain above 15 metres (major) until Sunday.

DAWSON RIVER:

Theodore: Continue to rise slowly with levels up to 15 metres possible.
Maintain high flood levels during next week.
Baralaba: Renewed rises during next week but expected to be below
this week's peak levels.

FITZROY RIVER:

Yaamba: Reach around 16 metres late Saturday with further rises.
Reach about 16.5 metres on Monday with possible further rises.
Rockhampton: Reach 9 metres on Monday with further rises.
Reach up to 9.4 metres by Wednesday.

Predictions of the peak will be updated when a peak has been recorded at Riverslea.

Next Issue:
The next warning will be issued at about 5pm Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	4.91m falling	10:00 AM SAT 01/01/11
Juandah Ck at Windamere *	1.78m steady	09:00 AM SAT 01/01/11
Dawson R at Taroom *	7.15m falling	10:00 AM SAT 01/01/11
Dawson R at Theodore	14.7m rising slowly	11:00 AM SAT 01/01/11
Mimosa Ck at Redcliff *	3.68m falling	10:00 AM SAT 01/01/11
Dawson R at Baralaba	14.15m steady	09:00 AM SAT 01/01/11
Dawson R at Beckers *	17.25m falling	08:00 AM SAT 01/01/11
Dawson R at Knebworth *	16.85m falling	10:05 AM SAT 01/01/11

Comet R at Comet Weir *	12.31m falling	10:00 AM SAT 01/01/11
Nogoa R at Craigmore #	9.11m falling	11:11 AM SAT 01/01/11
Nogoa R at Fairbairn Dam HW *	4.78m falling	09:55 AM SAT 01/01/11
Nogoa R at Emerald #	15.6m falling	10:23 AM SAT 01/01/11
Policeman's Ck at Rubyvale #	0.65m steady	10:55 AM SAT 01/01/11
Theresa Ck at Gregory Highway #	7.12m falling	11:06 AM SAT 01/01/11
Mackenzie R at Bedford Weir TW #	21.38m falling	11:24 AM SAT 01/01/11
Connors R at Pink Lagoon *	12.41m steady	10:00 AM SAT 01/01/11
Isaac R at Yatton *	15.21m falling	08:00 AM SAT 01/01/11
Mackenzie R at Tartrus *	15.69m rising	06:45 AM SAT 01/01/11
Fitzroy R at Riverslea *	27.19m rising	10:30 AM SAT 01/01/11
Fitzroy R at Rockhampton	8.5m rising slowly	08:45 AM SAT 01/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 5:23 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Nogoa and Mackenzie Rivers
with continued river rises and record flooding in many areas.

The Nogoa River at Emerald has fallen 0.6 metres following its record major
flood peak of 16.05 metres during Friday.

Record major flood levels continue to rise very slowly on the the Dawson River
at Theodore with the peak expected during this weekend. At midday Saturday the
Dawson River at Theodore was 14.7 metres and steady.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Monday with
further rises up to 9.4 metres on Wednesday next week. This is similar to the
1991 and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease slowly on the Connors River at Yatton
during the weekend.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres during Friday and at 3.30pm
Saturday was 15.45 metres and falling slowly. This level is about 1.05 metres
over the approaches to the Vince Lester Bridge. River levels at Emerald are
expected to continue falling slowly during the weekend.

COMET RIVER:

Record major flood peaks have been observed along the Comet River to Comet Weir with major flooding now easing slowly. Major flooding will continue into next week.

MACKENZIE RIVER:
River levels are expected to be slightly above the 1978 flood levels in the Comet-Nogoa River junction area during the weekend and extend to the Bingegang area early next week where levels of above 17 metres are expected.

DAWSON RIVER:
Major flooding extends from The Glebe area to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is now approaching the Theadore area. Record major flood levels continue to rise very slowly at Theodore with the peak expected during this weekend. At midday Saturday the Dawson River at Theodore was 14.7 metres and steady.

River level rises to levels near the 1956 flood level will extend downstream to Moura and keep levels high at Moura and Baralaba for at least the next week.

FITZROY RIVER:
Rises are continuing in the Fitzroy River from Riverslea to Rockhampton, although Riverslea is now rising only very slowly. The Fitzroy River at Rockhampton was 8.5 metres at 8:45am Saturday and rising slowly with moderate flooding. Rises will continue with major flood levels reaching 9 metres on Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days. These predictions will be revised as upstream peaks are observed.

At Yaamba, flood levels are expected to reach 16 metres late Saturday with further rises to around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Remain above 15 metres (major) until Sunday.

DAWSON RIVER:

Theodore: Continue to rise slowly with levels up to 15 metres possible.
Peak during this weekend and maintain high flood levels
during next week.

Moura: Rises to above the 1956 record flood level of 12.90 metres
possible early next week.

Baralaba: Renewed rises during next week but expected to be below
this week's peak levels of 15.25 metres.

FITZROY RIVER:

Yaamba: Reach around 16 metres late Saturday with further rises.
Reach about 16.5 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Monday with further rises.
Reach up to 9.4 metres by Wednesday.

Predictions of the peak will be updated when a peak has been recorded at Riverslea.

Next Issue:
The next warning will be issued at about 7am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	6.85m falling	03:00 PM SAT 01/01/11
Dawson R at Theodore	14.7m rising slowly	12:00 PM SAT 01/01/11
Dawson R at Moura	NA	
Mimosa Ck at Redcliff *	3.53m falling	03:00 PM SAT 01/01/11
Dawson R at Baralaba	14m falling	03:00 PM SAT 01/01/11
Dawson R at Beckers *	17.05m falling	02:00 PM SAT 01/01/11
Dawson R at Knebworth *	16.73m falling	04:10 PM SAT 01/01/11
Comet R at Comet Weir *	12.22m falling	03:00 PM SAT 01/01/11
Nogoa R at Craigmore #	8.41m falling	04:30 PM SAT 01/01/11
Nogoa R at Fairbairn Dam HW *	4.55m falling	03:55 PM SAT 01/01/11
Nogoa R at Emerald #	15.4m falling	04:50 PM SAT 01/01/11
Policeman's Ck at Rubyvale #	0.65m steady	04:55 PM SAT 01/01/11
Theresa Ck at Gregory Highway #	6.62m falling	04:56 PM SAT 01/01/11
Mackenzie R at Bedford Weir TW #	21.14m falling	05:17 PM SAT 01/01/11
Connors R at Pink Lagoon *	12.3m falling	04:00 PM SAT 01/01/11
Isaac R at Yatton *	15.04m falling	02:00 PM SAT 01/01/11
Mackenzie R at Tartrus *	15.64m falling	02:15 PM SAT 01/01/11
Fitzroy R at Riverslea *	27.16m steady	04:20 PM SAT 01/01/11
Fitzroy R at Rockhampton	8.5m steady	03:00 PM SAT 01/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:04 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet and Mackenzie Rivers with continued river rises and record flooding in many areas.

The Nogoa River at Emerald has fallen 1.05 metres following its record major flood peak of 16.05 metres during Friday.

Record major flood levels on the the Dawson River at Theodore are expected to remain near their peak level today. At midday Saturday the Dawson River at Theodore was 14.7 metres and steady.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Monday with

further rises up to 9.4 metres on Wednesday. This is similar to the 1991 and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease slowly on the Connors River between Pink Lagoon and Yatton during this week.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres during Friday and at 5:44am Sunday was 15 metres and falling slowly. This level is about 0.5 metres over the approaches to the Vince Lester Bridge. River levels at Emerald are expected to continue falling slowly during this week.

COMET RIVER:
Record major flood peaks have been observed along the Comet River to Comet Weir with major flooding now easing slowly. Major flooding will continue during this week.

MACKENZIE RIVER:
The Mackenzie River at Yakcam peaked at about 23 metres and is falling slowly. The main flood peak is in the Bedford Weir to Bingegang area. River levels in this area should commence falling slowly early this week.

DAWSON RIVER:
Major flooding extends from The Glebe area to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is in the Theodore area. Record major flood levels on the the Dawson River at Theodore are expected to remain near their peak level today. At midday Saturday the Dawson River at Theodore was 14.7 metres and steady.

River level rises to levels near the 1956 flood level will extend downstream to Moura and keep levels high at Moura and Baralaba for about the next 5 days.

FITZROY RIVER:
The Fitzroy River at Riverslea held steady at about 27.2 metres during Saturday and current upstream river levels indicate that Riverslea should continue falling very slowly.

Rises are continuing in the Fitzroy River downstream from Riverslea to Rockhampton. The Fitzroy River at Rockhampton was 8.7 metres at 3:40am Sunday and rising slowly with major flooding. Rises will continue with major flood levels reaching 9 metres on Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days.

At Yaamba, flood levels are expected to reach around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Continue falling during Sunday.

DAWSON RIVER:

Theodore: Continue to rise slowly with levels up to 15 metres possible.
Peak during this weekend and maintain high flood levels
during next week.

Moura: Rises to above the 1956 record flood level of 12.90 metres
possible early next week.

Baralaba: Renewed rises during next week but expected to be below
this week's peak levels of 15.25 metres.

FITZROY RIVER:

Yaamba: Reach about 16.5 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Monday with further rises.
Reach up to 9.4 metres by Wednesday.

These predictions will be revised as upstream peaks are observed.

Next Issue:
The next warning will be issued at about noon Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	6.12m falling	05:00 AM SUN 02/01/11
Dawson R at Theodore	14.7m rising slowly	12:00 PM SAT 01/01/11
Dawson R at Baralaba	13.95m falling slowly	06:00 AM SUN 02/01/11
Dawson R at Beckers *	16.69m falling	05:00 AM SUN 02/01/11
Dawson R at Knebworth *	16.56m falling	05:05 AM SUN 02/01/11
Comet R at Comet Weir *	11.98m falling	05:00 AM SUN 02/01/11
Nogoa R at Craigmore #	7.51m falling	06:08 AM SUN 02/01/11
Nogoa R at Fairbairn Dam HW *	3.98m falling	05:45 AM SUN 02/01/11
Nogoa R at Emerald #	15m falling	05:44 AM SUN 02/01/11
Theresa Ck at Gregory Highway #	5.67m falling	05:46 AM SUN 02/01/11
Mackenzie R at Bedford Weir TW #	21.31m rising slowly	05:16 AM SUN 02/01/11
Connors R at Pink Lagoon *	11.45m falling	05:00 AM SUN 02/01/11
Isaac R at Yatton *	14.68m falling	05:00 AM SUN 02/01/11
Mackenzie R at Tartrus *	15.64m falling	02:15 PM SAT 01/01/11
Fitzroy R at Riverslea *	27.1m steady	05:50 AM SUN 02/01/11
Fitzroy R at Yaamba	16m rising	06:00 PM SAT 01/01/11
Fitzroy R at Rockhampton	8.7m rising	03:40 AM SUN 02/01/11

*,# from automatic station

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 12:21 PM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet and Mackenzie Rivers with

continued river rises and record flooding in many areas.

The Nogoa River at Emerald has fallen 1.3 metres following its record major flood peak of 16.05 metres during Friday.

Record major flood levels on the the Dawson River at Theodore are expected to remain near their peak level today. At 9am Sunday the Dawson River at Theodore was 14.58 metres and steady.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Monday with further rises up to 9.4 metres on Wednesday. This is similar to the 1991 and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease slowly on the Connors River between Pink Lagoon and Yatton during this week.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres during Friday and at 11:45am Sunday was 14.75 metres and falling slowly. This level is about 0.25 metres over the approaches to the Vince Lester Bridge. River levels at Emerald are expected to continue falling slowly during this week.

COMET RIVER:
Record major flood peaks have been observed along the Comet River to Comet Weir with major flooding now easing slowly. Major flooding will continue during this week.

MACKENZIE RIVER:
The Mackenzie River at Yakcam peaked at about 23 metres and is falling slowly. The main flood peak is in the Bedford Weir to Bingegang area. River levels in this area should commence falling slowly early this week.

DAWSON RIVER:
Major flooding extends from The Glebe area to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is in the Theodore area. Record major flood levels on the the Dawson River at Theodore are expected to remain near their peak level today. At 9am Sunday the Dawson River at Theodore was 14.58 metres and steady.

River level rises to levels near the 1956 flood level will extend downstream to Moura and keep levels high at Moura and Baralaba for about the next 5 days.

FITZROY RIVER:
The Fitzroy River at Riverslea held steady at about 27.2 metres during Saturday and current upstream river levels indicate that Riverslea should continue falling very slowly.

Rises are continuing in the Fitzroy River downstream from Riverslea to Rockhampton. The Fitzroy River at Rockhampton was 8.8 metres at 10:15am Sunday and rising slowly with major flooding. Rises will continue with major flood levels reaching 9 metres on Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days.

At Yaamba, flood levels are expected to reach around 16.5 metres on Monday.

Predicted River Heights/Flows:

NOGOA RIVER:

Emerald: Continue falling during Sunday.

DAWSON RIVER:

Theodore: Remain near the flood peak during Sunday.
High flood levels to be maintained during next week.

Moura: Rises to above the 1956 record flood level of 12.90 metres
possible early next week.

Baralaba: Renewed rises during next week but expected to be below
this week's peak levels of 15.25 metres.

FITZROY RIVER:

Yaamba: Reach about 16.5 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Monday with further rises.
Reach up to 9.4 metres by Wednesday.

These predictions will be revised as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 5pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	5.82m falling	11:00 AM SUN 02/01/11
Dawson R at Theodore	14.58m steady	09:00 AM SUN 02/01/11
Dawson R at Baralaba	13.95m steady	09:00 AM SUN 02/01/11
Dawson R at Beckers *	16.63m falling	11:00 AM SUN 02/01/11
Dawson R at Knebworth *	16.47m falling	11:10 AM SUN 02/01/11
Comet R at Comet Weir *	11.87m falling	11:00 AM SUN 02/01/11
Nogoa R at Craigmore #	7.26m steady	11:48 AM SUN 02/01/11
Nogoa R at Fairbairn Dam HW *	3.74m falling	11:35 AM SUN 02/01/11
Nogoa R at Emerald #	14.75m falling	11:46 AM SUN 02/01/11
Policeman's Ck at Rubyvale #	0.65m steady	10:55 AM SUN 02/01/11
Theresa Ck at Gregory Highway #	5.27m falling	12:01 PM SUN 02/01/11
Mackenzie R at Bedford Weir TW #	21.24m falling	12:05 PM SUN 02/01/11
Connors R at Pink Lagoon *	10.68m falling	11:00 AM SUN 02/01/11
Isaac R at Yatton *	14.55m falling	11:45 AM SUN 02/01/11
Mackenzie R at Tartrus *	15.72m steady	07:10 AM SUN 02/01/11
Fitzroy R at Riverslea *	27.01m falling	11:40 AM SUN 02/01/11
Fitzroy R at Rockhampton	8.8m rising slowly	10:15 AM SUN 02/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 4:40 PM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers with continued river rises and record flooding in many areas.

The Nogoa River at Emerald has fallen to moderate flood level and is expected to continue to fall to minor flood level during Sunday night.

Record major flood levels on the the Dawson River at Theodore are expected to remain near their peak level during Sunday night.

The Fitzroy River at Rockhampton is expected to reach 9 metres on Monday with further rises up to 9.4 metres on Wednesday. This is similar to the 1991 and 1954 flood levels.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease slowly on the Connors River between Pink Lagoon and Yatton during this week.

NOGOA RIVER:
The Nogoa River at Emerald peaked at 16.05 metres during Friday and at 3pm Sunday was 14.6 metres and falling at moderate flood level. This level is about 0.2 metres over the approaches to the Vince Lester Bridge. River levels at Emerald are expected to continue falling slowly during this week.

COMET RIVER:
Major flood levels are are expected to continue to ease along the Comet River to Comet Weir during this week.

MACKENZIE RIVER:
The Mackenzie River at Yakcam peaked at about 23 metres and is falling slowly. The main flood peak is in the Bedford Weir to Bingegang area. River levels in this area should commence falling slowly early this week.

DAWSON RIVER:
Major flooding extends from The Glebe area to Knebworth including the towns of Theodore, Moura and Baralaba.

The main flood peak is now downstream of the Theodore area. Record major flood levels on the the Dawson River at Theodore are expected to remain near their peak level today. At 3pm Sunday the Dawson River at Theodore was 14.5 metres and falling slowly.

Further rises to levels near the 1956 flood level will extend downstream to Moura and keep levels high at Moura and Baralaba for about the next 5 days.

FITZROY RIVER:
The Fitzroy River at Riverslea has started falling slowly and at 3pm was about 27.0 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week.

Rises are continuing in the Fitzroy River downstream from Riverslea to Rockhampton. The Fitzroy River at Rockhampton was 8.8 metres at 2pm Sunday and rising slowly with major flooding. Rises will continue with major flood levels

reaching 9 metres on Monday with further rises.

Rockhampton is expected to reach up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for up to 10 days.

At Yaamba, flood levels are expected to reach around 16.5 metres on Monday.

Predicted River Heights/Flows:
NOGOA RIVER:

Emerald: Fall below 14.5 metres (moderate) during Sunday night.

DAWSON RIVER:

Theodore: Remain near the flood peak during Sunday.
High flood levels to be maintained during this week.

Moura: Rises to above the 1956 record flood level of 12.90 metres
possible early this week.

Baralaba: Renewed rises during this week but expected to be below
last week's peak levels of 15.25 metres.

FITZROY RIVER:

Yaamba: Reach about 16.5 metres on Monday with possible further rises.

Rockhampton: Reach 9 metres on Monday with further rises.
Reach up to 9.4 metres by Wednesday.

These predictions will be revised as upstream peaks are observed.

Next Issue:
The next warning will be issued at about 7am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	5.61m falling	03:00 PM SUN 02/01/11
Dawson R at Theodore	14.5m falling slowly	03:00 PM SUN 02/01/11
Dawson R at Baralaba	13.95m steady	03:00 PM SUN 02/01/11
Dawson R at Beckers *	16.61m steady	02:30 PM SUN 02/01/11
Dawson R at Knebworth *	16.42m rising	04:00 PM SUN 02/01/11
Comet R at Comet Weir *	11.78m falling	03:00 PM SUN 02/01/11
Nogoa R at Fairbairn Dam HW *	3.57m falling	04:00 PM SUN 02/01/11
Nogoa R at Emerald #	14.55m falling	04:27 PM SUN 02/01/11
Mackenzie R at Bedford Weir TW #	21.04m falling	04:32 PM SUN 02/01/11
Connors R at Pink Lagoon *	10.04m falling	03:00 PM SUN 02/01/11
Isaac R at Yatton *	14.52m rising	02:00 PM SUN 02/01/11
Mackenzie R at Tartrus *	15.72m steady	07:10 AM SUN 02/01/11
Fitzroy R at Riverslea *	27m falling	03:30 PM SUN 02/01/11
Fitzroy R at Rockhampton	8.8m rising slowly	02:00 PM SUN 02/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:41 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers with continued river rises and record flooding in many areas.

The Nogoa River at Emerald is now below minor flood level.

Record major flood levels on the the Dawson River at Theodore are falling.

The Fitzroy River at Rockhampton was 9 metres at 5am Monday and rising slowly with major flooding.

The Fitzroy River at Rockhampton is expected to peak up to 9.4 metres on Wednesday and remain above the major flood level of 8.5 metres for 1 week after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Connors River at Yatton this week.

NOGOA RIVER:
River levels at Emerald are now below minor and will continue falling.

COMET RIVER:
Major flood levels are are expected to continue to ease along the Comet River to Comet Weir during this week.

MACKENZIE RIVER:
The Mackenzie River at Yakcam peaked at about 23 metres and is falling slowly. The main flood peak is in the Bedford Weir to Bingegang area. River levels in this area should commence falling slowly early this week.

DAWSON RIVER:
Major flooding extends from The Glebe area to Knebworth including the towns of Theodore, Moura and Baralaba. The main flood peak is now in the Moura area.

Major flood levels at Theodore and Moura are expected to continue to fall during this week. Further rises to levels near the 1956 flood level will extend downstream of Moura and keep levels high at Baralaba for about the next 5 days.

FITZROY RIVER:
The Fitzroy River at Riverslea has started falling slowly and at 5am was about 26.9 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week. Rises are continuing in the Fitzroy River downstream from Riverslea to Rockhampton.

At Yaamba, flood levels are expected to peak about 16.5 metres overnight Monday.

The Fitzroy River at Rockhampton was 9 metres at 5am Monday and rising slowly with major flooding. Rockhampton is expected to peak up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels.

Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER:

Theodore: Major flood levels will fall slowly through this week and remain above major flood level (12 metres) until the weekend.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Renewed rises during this week but expected to be below last week's peak levels of 15.25 metres.

FITZROY RIVER:

Yaamba: Peak about 16.5 metres overnight Monday, remaining high for several days.

Rockhampton: Peak up to 9.4 metres on Wednesday, remaining above 8.5 metres for 1 week after the peak.

Next Issue:
The next warning will be issued at about noon Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	5.05m falling	02:00 AM MON 03/01/11
Dawson R at Theodore	14.5m falling slowly	03:00 PM SUN 02/01/11
Dawson R at Baralaba	13.95m steady	09:00 PM SUN 02/01/11
Dawson R at Beckers *	16.65m steady	02:00 AM MON 03/01/11
Dawson R at Knebworth *	16.35m falling	09:10 PM SUN 02/01/11
Comet R at Comet Weir *	11.49m falling	04:00 AM MON 03/01/11
Nogoa R at Fairbairn Dam HW *	3.22m falling	02:25 AM MON 03/01/11
Nogoa R at Emerald #	14m falling	04:51 AM MON 03/01/11
Mackenzie R at Bedford Weir TW #	21.01m steady	05:06 AM MON 03/01/11
Connors R at Pink Lagoon *	7.94m falling	04:00 AM MON 03/01/11
Isaac R at Yatton *	14.2m falling	04:00 AM MON 03/01/11
Mackenzie R at Tartrus *	16.25m rising	07:10 AM SUN 02/01/11
Fitzroy R at Riverslea *	26.89m falling	04:30 AM MON 03/01/11
Fitzroy R at Rockhampton	9m rising	04:20 AM MON 03/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:37 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers with continued river rises and record flooding in many areas.

Record major flood levels on the the Dawson River at Theodore are falling.

The Fitzroy River at Rockhampton was 9 metres at 10am Monday and rising slowly with major flooding.

The Fitzroy River at Rockhampton is expected to peak up to 9.4 metres on Wednesday and remain above the major flood level of 8.5 metres for 1 week after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Connors River at Yatton this week.

NOGOA RIVER:
River levels at Emerald are now below minor and will continue falling.

COMET RIVER:
Major flood levels are are expected to continue to ease along the Comet River to Comet Weir during this week.

MACKENZIE RIVER:
The Mackenzie River at Yakcam peaked at about 23 metres and is falling slowly. The main flood peak is in the Bedford Weir to Bingegang area. River levels in this area should commence falling slowly early this week.

DAWSON RIVER:
Major flooding extends from The Glebe area to Knebworth including the towns of Theodore, Moura and Baralaba. The main flood peak is now in the Moura area.

Major flood levels at Theodore and Moura are expected to continue to fall during this week. Further rises to levels near the 1956 flood level will extend downstream of Moura and keep levels high at Baralaba for about the next 5 days.

FITZROY RIVER:
The Fitzroy River at Riverslea has started falling slowly and at 5am was about 26.9 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week. Rises are continuing in the Fitzroy River downstream from Riverslea to Rockhampton.

At Yaamba, flood levels are expected to peak about 16.5 metres overnight Monday.

The Fitzroy River at Rockhampton was 9 metres at 10am Monday and rising slowly with major flooding. Rockhampton is expected to peak up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER:

Theodore: Major flood levels will fall slowly through this week and remain above major flood level (12 metres) until the weekend.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Renewed rises during this week but expected to be below last week's peak levels of 15.25 metres.

FITZROY RIVER:

Yaamba: Peak about 16.5 metres overnight Monday, remaining high for several days.

Rockhampton: Peak up to 9.4 metres on Wednesday, remaining above 8.5 metres for 1 week after the peak.

Next Issue:
The next warning will be issued at about 6pm Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	4.69m falling	10:00 AM MON 03/01/11
Dawson R at Theodore	14.25m falling slowly	11:00 AM MON 03/01/11
Dawson R at Baralaba	14m rising	09:00 AM MON 03/01/11
Dawson R at Beckers *	16.71m steady	08:00 AM MON 03/01/11
Dawson R at Knebworth *	16.3m rising	10:10 AM MON 03/01/11
Comet R at Comet Weir *	11.34m falling	10:00 AM MON 03/01/11
Nogoa R at Fairbairn Dam HW *	3m falling	09:40 AM MON 03/01/11
Nogoa R at Emerald #	13.7m falling	10:51 AM MON 03/01/11
Mackenzie R at Bedford Weir TW #	20.98m steady	11:06 AM MON 03/01/11
Connors R at Pink Lagoon *	7.25m falling	10:00 AM MON 03/01/11
Isaac R at Yatton *	13.99m falling	08:10 AM MON 03/01/11
Mackenzie R at Tartrus *	16.25m rising	05:10 AM MON 03/01/11
Fitzroy R at Riverslea *	26.76m falling	10:10 AM MON 03/01/11
Fitzroy R at Rockhampton	9m rising slowly	09:28 AM MON 03/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:01 PM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers with continued river rises and record flooding in many areas.

Record major flood levels on the the Dawson River at Theodore continue to slowly fall.

The Fitzroy River at Rockhampton was 9.05 metres at 1:30pm Monday and rising slowly with major flooding.

The Fitzroy River at Rockhampton is expected to peak up to 9.4 metres on Wednesday and remain above the major flood level of 8.5 metres for 1 week after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Isaac River at Yatton.

NOGOA RIVER:
River levels are below minor at Emerald, and will continue falling this week.

COMET RIVER:
Major flooding continues to ease along the Comet River through to Comet Weir during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak remains in the Bedford Weir to Bingegang area.

DAWSON RIVER:
Major flooding extends downstream from Taroom between The Glebe area through to Knebworth, including the towns of Theodore, Moura and Baralaba. The main flood peak remains in the Moura area. Major flood levels at Theodore and Moura are expected to continue to fall during this week.

Further rises to levels near the 1956 flood level will extend downstream of Moura and keep levels high at Baralaba for about the next 5 days.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to slowly fall, where at 3:40pm Monday the river was at 26.74 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week. Rises are continuing in the Fitzroy River downstream from Riverslea to Rockhampton.

At Yaamba, flood levels are expected to peak about 16.5 metres overnight Monday.

The Fitzroy River at Rockhampton was 9.05 metres at 1:30pm Monday and rising slowly with major flooding. Rockhampton is expected to peak up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER:

Theodore: Major flood levels will fall slowly through this week and remain above major flood level (12 metres) until the weekend.

Moura: Major flood levels will fall slowly through this week.

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Baralaba:     Renewed rises during this week but expected to be below
              last week's peak levels of 15.25 metres.


FITZROY RIVER:

Yaamba:       Peak about 16.5 metres overnight Monday.
              River levels to remain high for several days.

Rockhampton:  Peak up to 9.4 metres on Wednesday, remaining above 8.5 metres
              for 1 week after the peak.


Weather Forecast:
Scattered showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 8am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Taroom *               4.43m falling         04:00 PM MON 03/01/11
Dawson R at Theodore               14.21m falling slowly 04:00 PM MON 03/01/11
Dawson R at Baralaba               14.05m rising slowly  03:00 PM MON 03/01/11
Dawson R at Beckers *              16.79m steady         02:00 PM MON 03/01/11
Dawson R at Knebworth *            16.29m rising         04:10 PM MON 03/01/11
Comet R at Comet Weir *            11.22m falling        03:00 PM MON 03/01/11
Nogoa R at Fairbairn Dam HW *      2.82m falling         04:05 PM MON 03/01/11
Nogoa R at Emerald #               13.4m falling         04:42 PM MON 03/01/11
Mackenzie R at Bedford Weir TW #   20.78m falling        05:14 PM MON 03/01/11
Connors R at Pink Lagoon *         6.95m falling         02:00 PM MON 03/01/11
Isaac R at Yatton *                13.66m falling        02:00 PM MON 03/01/11
Mackenzie R at Tartrus *           16.33m rising         01:50 PM MON 03/01/11
Fitzroy R at Riverslea *           26.74m falling slowly 03:40 PM MON 03/01/11
Fitzroy R at Rockhampton           9.05m rising slowly   01:30 PM MON 03/01/11

*,# denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:16 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton was 9.15 metres at 6am Tuesday and rising
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slowly with major flooding.

The Fitzroy River at Rockhampton is expected to peak up to 9.4 metres on Wednesday and remain above the major flood level of 8.5 metres for 1 week after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak is now downstream of Tartrus.

DAWSON RIVER:
Major flooding extends downstream from Taroom between The Glebe area through to Knebworth, including the towns of Theodore, Moura and Baralaba. The main flood peak is currently in the Baralaba area. Flood levels at Baralaba will remain above the major flood level (9 metres) until at least Sunday. Major flood levels at Theodore and Moura are expected to continue to fall during this week.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to fall. At 5am Tuesday the river was at 26.6 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week.

At Yaamba, flood levels are expected to peak around current levels of 16.5 metres during Tuesday.

The Fitzroy River at Rockhampton was 9.15 metres at 6am Tuesday and rising slowly with major flooding. Rockhampton is expected to peak up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER:

Theodore: Major flood levels will fall slowly through this week and remain above major flood level (12 metres) until the weekend.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Major flood levels will fall but remain above major flood level (9 metres) until the weekend.

FITZROY RIVER:

Yaamba: Peak around current levels of 16.5 metres during Tuesday. River levels to remain high for several days.

Rockhampton: Peak up to 9.4 metres on Wednesday, remaining above 8.5 metres for 1 week after the peak.

Next Issue:

The next warning will be issued at about 1pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	4m steady	04:16 AM TUE 04/01/11
Dawson R at Theodore	14.21m falling slowly	04:00 PM MON 03/01/11
Mimosa Ck at Redcliff *	3.26m falling	04:00 AM TUE 04/01/11
Dawson R at Baralaba	14.1m rising slowly	06:00 AM TUE 04/01/11
Dawson R at Beckers *	16.91m steady	02:00 AM TUE 04/01/11
Dawson R at Knebworth *	16.27m falling	05:10 AM TUE 04/01/11
Comet R at Comet Weir *	10.88m falling	04:00 AM TUE 04/01/11
Nogoa R at Craigmore #	6.41m falling	05:03 AM TUE 04/01/11
Nogoa R at Fairbairn Dam HW *	2.51m falling	05:00 AM TUE 04/01/11
Nogoa R at Emerald #	12.8m steady	05:44 AM TUE 04/01/11
Policeman's Ck at Rubyvale #	0.65m steady	04:55 AM TUE 04/01/11
Theresa Ck at Gregory Highway #	3.67m steady	04:30 AM TUE 04/01/11
Mackenzie R at Bedford Weir TW #	20.41m falling	05:09 AM TUE 04/01/11
Connors R at Pink Lagoon *	6.91m rising	04:00 AM TUE 04/01/11
Isaac R at Yatton *	12.37m falling	04:00 AM TUE 04/01/11
Mackenzie R at Tartrus *	16.28m steady	11:45 PM MON 03/01/11
Fitzroy R at Riverslea *	26.59m falling	04:20 AM TUE 04/01/11
Fitzroy R at Rockhampton	9.1m rising slowly	11:15 PM MON 03/01/11

*automatic station

Warnings and River Height Bulletins are available at
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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 12:57 PM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton was 9.15 metres at noon Tuesday and rising
slowly with major flooding.

The Fitzroy River at Rockhampton is expected to peak up to 9.4 metres on
Wednesday and remain above the major flood level of 8.5 metres for 1 week after
the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak is now downstream of Tartrus.

DAWSON RIVER:
Major flooding extends downstream from Taroom between The Glebe area through to Knebworth, including the towns of Theodore, Moura and Baralaba. The main flood peak is currently in the Baralaba area. Flood levels at Baralaba will remain above the major flood level (9 metres) until at least Sunday. Major flood levels at Theodore and Moura are expected to continue to fall during this week.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to fall. At noon Tuesday the river was at 26.6 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week.

At Yaamba, flood levels are expected to peak around current levels of 16.5 metres during Tuesday. At noon Tuesday, flood levels were 16.55 metres and rising slowly.

The Fitzroy River at Rockhampton was 9.15 metres at noon Tuesday and rising slowly with major flooding. Rockhampton is expected to peak up to 9.4 metres on Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER:

Theodore: Major flood levels will fall slowly through this week and remain above major flood level (12 metres) until the weekend.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Major flood levels will fall but remain above major flood level (9 metres) until the weekend.

FITZROY RIVER:

Yaamba: Peak around current levels of 16.5 metres during Tuesday. River levels to remain high for several days.

Rockhampton: Peak up to 9.4 metres on Wednesday, remaining above 8.5 metres for 1 week after the peak.

Next Issue:
The next warning will be issued at about 7pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	3.87m falling	11:00 AM TUE 04/01/11
Dawson R at Theodore	13.8m steady	09:30 AM TUE 04/01/11
Mimosa Ck at Redcliff *	3.23m steady	11:00 AM TUE 04/01/11
Dawson R at Baralaba	14.1m steady	09:00 AM TUE 04/01/11
Dawson R at Beckers *	16.97m steady	11:00 AM TUE 04/01/11
Dawson R at Knebworth *	16.31m rising	12:05 PM TUE 04/01/11
Comet R at Comet Weir *	10.7m falling	11:00 AM TUE 04/01/11
Nogoa R at Fairbairn Dam HW *	2.36m steady	12:00 PM TUE 04/01/11

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Nogoa R at Emerald #               12.45m falling        11:55 AM TUE 04/01/11
Mackenzie R at Bedford Weir TW #   20.34m falling        12:22 PM TUE 04/01/11
Mackenzie R at Bingegand Weir HW # 10.38m rising         12:48 PM TUE 04/01/11
Connors R at Pink Lagoon *         7.23m rising          11:00 AM TUE 04/01/11
Isaac R at Yatton *                11.58m falling        11:20 AM TUE 04/01/11
Mackenzie R at Tartrus *           16.19m falling slowly 07:30 AM TUE 04/01/11
Fitzroy R at Riverslea *           26.6m steady          11:40 AM TUE 04/01/11
Fitzroy R at Rockhampton           9.15m rising slowly   12:30 PM TUE 04/01/11

*automatic station


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:14 PM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton was 9.2 metres at 3:15pm Tuesday and rising
slowly with major flooding.

The Fitzroy River at Rockhampton is expected to peak up to 9.4 metres on
Wednesday and remain above the major flood level of 8.5 metres for 1 week after
the peak.


CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak
is now downstream of Tartrus.

DAWSON RIVER:
Major flooding extends downstream from Taroom between The Glebe area through to
Knebworth, including the towns of Theodore, Moura and Baralaba. The main flood
peak is currently in the Baralaba area, where flood levels will remain above the
major flood level (9 metres) until at least Sunday. Major flood levels at
Theodore and Moura are expected to continue to fall during this week.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to fall. At 5:30pm Tuesday the river
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was at 26.56 metres with major flooding. Levels at Riverslea are expected to continue to fall very slowly during this week.

At Yaamba, flood levels currently remain steady near the peak, where at 6pm Tuesday the river level was 16.55 metres and steady.

The Fitzroy River at Rockhampton was 9.20 metres at 3:15pm Tuesday and rising slowly with major flooding. Rockhampton is expected to peak up to 9.4 metres during Wednesday. This is similar to the 1991 (9.3m) and 1954 (9.4m) flood levels. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore: Major flood levels will fall slowly through this week and remain above major flood level (12 metres) until the weekend.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Major flood levels will fall but remain above major flood level (9 metres) until the weekend.

FITZROY RIVER at:

Yaamba: Remain around the major flood peak of 16.55 metres overnight. River levels to remain high for several days.

Rockhampton: Peak up to 9.4 metres during Wednesday, and remaining above 8.5 metres for 1 week after the peak.

Weather Forecast:
Scattered showers and possible thunderstorms.

Next Issue:
The next warning will be issued at about 7am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	3.75m falling	05:00 PM TUE 04/01/11
Dawson R at Theodore	13.7m falling slowly	03:00 PM TUE 04/01/11
Mimosa Ck at Redcliff *	3.06m falling	05:00 PM TUE 04/01/11
Dawson R at Baralaba	14m falling	06:00 PM TUE 04/01/11
Dawson R at Beckers *	16.95m steady	05:00 PM TUE 04/01/11
Dawson R at Knebworth *	16.28m falling	06:10 PM TUE 04/01/11
Comet R at Comet Weir *	10.52m falling	05:00 PM TUE 04/01/11
Nogoa R at Craigmore #	6.66m rising	06:07 PM TUE 04/01/11
Nogoa R at Fairbairn Dam HW *	2.24m falling slowly	06:00 PM TUE 04/01/11
Nogoa R at Emerald #	12.15m falling slowly	05:44 PM TUE 04/01/11
Mackenzie R at Bedford Weir TW #	20.08m falling	05:06 PM TUE 04/01/11
Mackenzie R at Bingegand Weir HW #	10.28m falling	06:37 PM TUE 04/01/11
Connors R at Pink Lagoon *	7.4m rising	05:00 PM TUE 04/01/11
Isaac R at Yatton *	11.06m falling slowly	05:00 PM TUE 04/01/11
Mackenzie R at Tartrus *	16.19m falling slowly	07:30 AM TUE 04/01/11
Fitzroy R at Riverslea *	26.56m falling	05:30 PM TUE 04/01/11
Fitzroy R at Rockhampton	9.2m rising slowly	03:15 PM TUE 04/01/11

*, # automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:25 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton was 9.2 metres at 5am Wednesday, steady and
nearing its peak which is expected to last for at least 36 hours. Further small
rises above 9.2 metres are expected during today.

Flood levels will remain above the major flood level of 8.5 metres for 1 week
after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak
is now downstream of Tartrus. Levels will fall gradually between the Comet
confluence and Tartrus.

DAWSON RIVER:
Major flooding is easing between Theodore through to Knebworth including the
towns of Moura and Baralaba. Flood levels are expected to continue falling.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to fall. At 5am Wednesday, the river
was at 26.57 metres with major flooding. Levels at Riverslea are expected to
fall very slowly during this week.

At Yaamba, flood levels currently remain steady; at 6pm Tuesday the river level
was 16.55 metres and steady. Flood levels are expected to start falling today.

The Fitzroy River at Rockhampton was 9.2 metres at 5am Wednesday, steady and
nearing its peak which is expected to last for at least 36 hours. Further small
rises above 9.2 metres are expected during today. Rockhampton river levels are
expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore: Major flood levels will fall slowly through this week but remain above 12 metres until the weekend.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Major flood levels will fall but remain above major flood level (9 metres) until the weekend.

FITZROY RIVER at:

Yaamba: Remain around the major flood level of 16.55 metres but is expected to start falling during today. River levels to remain high for several days.

Rockhampton: Further small rises above 9.2 metres are expected during today. and remaining above 8.5 metres for 1 week after the peak which is expected to last for at least 36 hours.

Next Issue:
The next warning will be issued at about noon Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	3.63m steady	04:00 AM WED 05/01/11
Dawson R at Theodore	13.7m falling slowly	03:00 PM TUE 04/01/11
Dawson R at Baralaba	13.95 falling slowly	09:00 PM TUE 04/01/11
Dawson R at Beckers *	16.86m falling	02:00 AM WED 05/01/11
Dawson R at Knebworth *	16.28m falling	05:10 AM WED 05/01/11
Comet R at Comet Weir *	10.19m falling	04:00 AM WED 05/01/11
Nogoa R at Fairbairn Dam HW *	2.04m falling	05:10 AM WED 05/01/11
Nogoa R at Emerald #	11.6m falling	05:14 AM WED 05/01/11
Mackenzie R at Bedford Weir TW #	19.61m falling	05:25 AM WED 05/01/11
Mackenzie R at Bingegand Weir HW #	9.98m falling	05:35 AM WED 05/01/11
Connors R at Pink Lagoon *	7.39m falling	04:00 AM WED 05/01/11
Isaac R at Yatton *	10.48m falling	04:00 AM WED 05/01/11
Mackenzie R at Tartrus *	15.77m falling	05:45 AM TUE 04/01/11
Fitzroy R at Riverslea *	26.59m rising	04:00 AM WED 05/01/11
Fitzroy R at Rockhampton	9.2m steady	05:00 AM WED 05/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:52 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton was 9.2 metres at 10am Wednesday, steady and nearing its peak which is expected to last for at least 36 hours. Further small rises above 9.2 metres are expected during today.

Flood levels will remain above the major flood level of 8.5 metres for 1 week after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding will continue to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak is now downstream of Tartrus. Levels will fall gradually between the Comet confluence and Tartrus.

DAWSON RIVER:
Major flooding is easing between Theodore through to Knebworth including the towns of Moura and Baralaba. Flood levels are expected to continue falling.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea. At 10am Wednesday, the level was at 26.61 metres. Levels at Riverslea are expected to fall very slowly during this week although some small rises are likely.

At Yaamba, flood levels are beginning to fall very slowly; at 9am Wednesday the river level was 16.5 metres.

The Fitzroy River at Rockhampton was 9.2 metres at 10am Wednesday, steady and nearing its peak which is expected to last for at least 36 hours. Further small rises above 9.2 metres are expected during today. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore: Major flood levels will fall slowly through this week but remain above 12 metres until Friday.

Moura: Major flood levels will fall slowly through this week.

Baralaba: Flood levels will fall but remain above major flood level (9 metres) until the weekend.

FITZROY RIVER at:

Yaamba: Remain around the major flood level of 16.5 metres during today. River levels to remain high for several days.

Rockhampton: Further small rises above 9.2 metres are expected during today.
and remaining above 8.5 metres for 1 week after the peak which is
expected to last for at least 36 hours.

Next Issue:
The next warning will be issued at about 7pm Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Theodore	13.2m falling slowly	07:15 AM WED 05/01/11
Mimosa Ck at Redcliff *	3.2m falling	10:00 AM WED 05/01/11
Dawson R at Baralaba	13.95m steady	09:00 AM WED 05/01/11
Dawson R at Beckers *	16.79m steady	08:00 AM WED 05/01/11
Dawson R at Knebworth *	16.32m rising	11:10 AM WED 05/01/11
Comet R at Comet Weir *	9.99m falling	10:00 AM WED 05/01/11
Nogoa R at Fairbairn Dam HW *	1.97m falling	10:50 AM WED 05/01/11
Nogoa R at Emerald #	11.3m falling	11:15 AM WED 05/01/11
Mackenzie R at Bedford Weir TW #	19.51m steady	11:06 AM WED 05/01/11
Mackenzie R at Bingegand Weir HW #	9.68m rising	11:39 AM WED 05/01/11
Connors R at Pink Lagoon *	7.17m falling	10:00 AM WED 05/01/11
Isaac R at Yatton *	10.41m steady	08:00 AM WED 05/01/11
Mackenzie R at Tartrus *	15.76m rising	08:00 AM WED 05/01/11
Fitzroy R at Riverslea *	26.62m steady	10:30 AM WED 05/01/11
Fitzroy R at Rockhampton	9.2m steady	10:00 AM WED 05/01/11

*automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:47 PM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.2 metres during
Wednesday. It is expected to remain about its current level overnight and into
Thursday.

Flood levels will remain above the major flood level of 8.5 metres for 1 week
after the peak.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River during this week.

MACKENZIE RIVER:
Major flooding is occurring along the Mackenzie River, where the main flood peak is now downstream of Tartrus. Levels will fall gradually between the Comet confluence and Tartrus.

DAWSON RIVER:
Major flooding is easing between Theodore through to Knebworth including the towns of Moura and Baralaba. Flood levels are expected to continue falling.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea, where at 5pm Wednesday the river level was at 26.65 metres and rising very slowly. Levels at Riverslea are expected to commence to fall again very slowly during this week, and then more quickly over the weekend.

At Yaamba, flood levels continue to ease very slowly following a major peak to 16.55 metres recorded during Tuesday. At 6pm Wednesday the river level was 16.45 metres.

The Fitzroy River at Rockhampton has remained steady at about 9.2 metres during Wednesday, and should remain near the peak overnight and into Thursday. Rockhampton river levels are expected to remain above 8.5 metres (major) for 1 week after the peak.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore:	Major flood levels will fall slowly through this week but remain above 12 metres until Friday.
Moura:	Major flood levels will fall slowly through this week.
Baralaba:	Flood levels will fall but remain above major flood level (9 metres) until the weekend.

FITZROY RIVER at:

Yaamba:	Remain above major flood level for several days.
Rockhampton:	Remain around the current peak level overnight. Remain above 8.5 metres (major) for 1 week after the peak.

Weather Forecast:
A shower or two and possible late thunderstorm.

Next Issue:
The next warning will be issued at about 7am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Theodore	13.05m falling slowly	12:00 PM WED 05/01/11
Dawson R at Baralaba	13.9m falling slowly	06:00 PM WED 05/01/11
Dawson R at Beckers *	16.67m steady	05:00 PM WED 05/01/11
Dawson R at Knebworth *	16.3m steady	05:10 PM WED 05/01/11

Comet R at Comet Weir *	9.78m falling	04:00 PM WED 05/01/11
Nogoa R at Fairbairn Dam HW *	1.88m falling slowly	05:10 PM WED 05/01/11
Nogoa R at Emerald #	11.05m falling	05:44 PM WED 05/01/11
Mackenzie R at Bedford Weir TW #	19.15m falling	06:11 PM WED 05/01/11
Mackenzie R at Bingegand Weir HW #	9.43m falling	06:17 PM WED 05/01/11
Connors R at Pink Lagoon *	6.84m falling	05:00 PM WED 05/01/11
Isaac R at Yatton *	10.36m steady	05:00 PM WED 05/01/11
Mackenzie R at Tartrus *	15.76m falling	08:00 AM WED 05/01/11
Fitzroy R at Riverslea *	26.65m rising	05:00 PM WED 05/01/11
Fitzroy R at Rockhampton	9.15m steady	03:00 PM WED 05/01/11

*,# denotes automatic station.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:02 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres
overnight following yesterday's peak of 9.2 metres. Levels will fall very slowly
on Thursday and Friday with very little change. Rockhampton river levels are
expected to remain above 8.5 metres (major) until late next week.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Moderate to major flooding is occurring along the Mackenzie River, where the
main flood peak is now downstream of Tartrus. Levels will fall gradually between
the Comet confluence and Tartrus.

DAWSON RIVER:
Rainfall overnight is expected to lead to renewed rises along the Dawson River.
Moderate flood levels are expected at Taroom during Friday extending to the
Glebe area during the weekend. Downstream at Theodore, Moura and Baralaba,
levels will continue to fall into the weekend before renewed rises and minor,
possibly moderate flooding during next week but will remain well below the
recent high level flood peaks.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea, where at 5am

Thursday the river level was at 26.71 metres and rising very slowly. Levels at Riverslea are expected to fall again very slowly into the weekend.

At Yaamba, flood levels continue to ease very slowly following a major peak of 16.55 metres recorded during Tuesday. At 6pm Wednesday the river level was 16.45 metres.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight following yesterday's peak of 9.2 metres. Levels will fall very slowly on Thursday and Friday. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore Major flood levels will continue to fall into the weekend. Renewed rises will occur during next week with a minor, possibly moderate flood peak expected of around 11 metres but will remain well below the recent high level flood peaks.

Moura: Major flood levels will continue to fall into the weekend. Renewed rises will occur during next week with a minor flood peak expected of around 10 metres but will remain well below the recent high level flood peaks.

Baralaba: Flood levels will fall but remain above major flood level (9 metres) until the weekend with renewed rises next week.

FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall extremely slowly during the next 48 hours.
Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about noon Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.03m rising	05:00 AM THU 06/01/11
Juandah Ck at Windamere *	1.54m falling	05:00 AM THU 06/01/11
Dawson R at Taroom *	4.23m rising	05:00 AM THU 06/01/11
Dawson R at Theodore	13.05m falling slowly	12:00 PM WED 05/01/11
Dawson R at Baralaba	13.85m steady	06:00 AM THU 06/01/11
Dawson R at Beckers *	16.58m steady	05:00 AM THU 06/01/11
Dawson R at Knebworth *	16.3m rising	05:10 AM THU 06/01/11
Comet R at Comet Weir *	9.46m falling	01:00 AM THU 06/01/11
Nogoa R at Raymond #	5.25m steady	05:34 AM THU 06/01/11
Nogoa R at Craigmore #	7.01m steady	05:48 AM THU 06/01/11
Nogoa R at Fairbairn Dam HW *	1.75m falling	05:25 AM THU 06/01/11
Nogoa R at Emerald #	10.6m steady	05:44 AM THU 06/01/11
Policeman's Ck at Rubyvale #	0.9m falling	05:47 AM THU 06/01/11
Theresa Ck at Gregory Highway #	4.22m rising	05:46 AM THU 06/01/11
Mackenzie R at Bedford Weir TW #	18.58m falling	05:34 AM THU 06/01/11
Mackenzie R at Bingegang Weir HW #	9.18m rising	06:00 AM THU 06/01/11
Connors R at Pink Lagoon *	6.72m falling	05:00 AM THU 06/01/11
Isaac R at Yatton *	10.17m falling	05:14 AM THU 06/01/11

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Mackenzie R at Tartrus *          15.31m falling slowly 05:40 AM THU 06/01/11
Fitzroy R at Riverslea *          26.68m rising         05:20 AM THU 06/01/11
Fitzroy R at Rockhampton          9.15m steady          06:00 AM THU 06/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 12:16 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres
overnight following yesterday's peak of 9.2 metres. Levels will fall very slowly
on Thursday and Friday with very little change. Rockhampton river levels are
expected to remain above 8.5 metres (major) until late next week.


CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Moderate to major flooding is occurring along the Mackenzie River, where the
main flood peak is now downstream of Tartrus. Levels will fall gradually between
the Comet confluence and Tartrus.

DAWSON RIVER:
Rainfall overnight is expected to lead to renewed rises along the Dawson River.
Moderate flood levels are expected at Taroom during Friday extending to the
Glebe area during the weekend. Downstream at Theodore, Moura and Baralaba,
levels will continue to fall into the weekend before renewed rises and minor,
possibly moderate flooding during next week. These renewed rises will remain
well below the recent high level flood peaks.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea, where at noon
Thursday the river level was at 26.7 metres and rising very slowly. Levels at
Riverslea are expected to fall again very slowly into the weekend.

At Yaamba, flood levels continue to ease very slowly following a major peak of
16.55 metres recorded during Tuesday. At 9am Thursday the river level was 16.45
metres.
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The Fitzroy River at Rockhampton has remained steady at about 9.15 metres this morning following yesterday's peak of 9.2 metres. Levels will fall very slowly on Thursday and Friday. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore Major flood levels will continue to fall into the weekend. Renewed rises will occur during next week with a minor, possibly moderate flood peak expected of around 11 metres but will remain well below the recent high level flood peaks.

Moura: Major flood levels will continue to fall into the weekend. Renewed rises will occur during next week with a minor flood peak expected of around 10 metres but will remain well below the recent high level flood peaks.

Baralaba: Flood levels will fall but remain above major flood level (9 metres) until the weekend with renewed rises next week.

FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall extremely slowly during the next 48 hours.
Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 7pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.32m rising	11:00 AM THU 06/01/11
Juandah Ck at Windamere *	1.89m rising	11:00 AM THU 06/01/11
Dawson R at Taroom *	4.79m rising	11:00 AM THU 06/01/11
Dawson R at Theodore	12.21m falling slowly	11:00 AM THU 06/01/11
Dawson R at Baralaba	13.8m falling slowly	09:00 AM THU 06/01/11
Dawson R at Beckers *	16.5m steady	11:00 AM THU 06/01/11
Dawson R at Knebworth *	16.32m rising	11:10 AM THU 06/01/11
Comet R at Comet Weir *	9.1m falling	10:00 AM THU 06/01/11
Nogoa R at Raymond #	5.05m falling	11:39 AM THU 06/01/11
Nogoa R at Craigmore #	7.36m rising	11:48 AM THU 06/01/11
Nogoa R at Fairbairn Dam HW *	1.69m falling	11:10 AM THU 06/01/11
Nogoa R at Emerald #	10.35m falling	11:43 AM THU 06/01/11
Policeman's Ck at Rubyvale #	0.85m steady	10:55 AM THU 06/01/11
Theresa Ck at Gregory Highway #	5.07m rising	11:51 AM THU 06/01/11
Mackenzie R at Bedford Weir TW #	18.31m falling	12:02 PM THU 06/01/11
Mackenzie R at Bingegang Weir HW #	8.68m falling	12:01 PM THU 06/01/11
Connors R at Pink Lagoon *	6.58m falling	11:00 AM THU 06/01/11
Isaac R at Yatton *	9.96m falling	11:39 AM THU 06/01/11
Mackenzie R at Tartrus *	15.25m falling	08:35 AM THU 06/01/11
Fitzroy R at Riverslea *	26.7m falling	11:40 AM THU 06/01/11
Fitzroy R at Rockhampton	9.15m steady	06:00 AM THU 06/01/11

*automatic station

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:56 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight following yesterday's peak of 9.2 metres. Levels will fall very slowly overnight Thursday and during Friday with very little change. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Moderate to major flooding is occurring along the Mackenzie River, where the main flood peak is now downstream of Tartrus. Levels will fall gradually between the Comet confluence and Tartrus.

DAWSON RIVER:
Rainfall overnight Wednesday has resulted in renewed rises along the upper Dawson River and minor flooding at Taroom. Further rises and moderate flood levels are expected at Taroom during Friday extending to the Glebe area during the weekend. Downstream at Theodore, Moura and Baralaba, levels will continue to fall into the weekend before renewed rises and minor, possibly moderate flooding during next week. These renewed rises will remain well below the recent high level flood peaks.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea, where at 5:30pm Thursday the river level was at 26.70 metres and rising very slowly. Levels at Riverslea are expected to fall again very slowly into the weekend.

At Yaamba, flood levels have remained steady at 16.45 metres during Thursday, following a major peak of 16.55 metres recorded during Tuesday.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres during Thursday following yesterday's peak of 9.2 metres. Levels will fall very slowly overnight Thursday and during Friday. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore Major flood levels will continue to fall into the weekend.
Renewed rises will occur during next week with a minor,
possibly moderate flood peak expected of around 11 metres but
will remain well below the recent high level flood peaks.

Moura: Major flood levels will continue to fall into the weekend.
Renewed rises will occur during next week with a minor flood peak
expected of around 10 metres, but will remain well below the
recent high level flood peaks.

Baralaba: Flood levels will fall but remain above major flood level
(9 metres) until the weekend with renewed rises next week.

FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall extremely slowly during the next 48 hours.
Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 7am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.5m rising	05:00 PM THU 06/01/11
Juandah Ck at Windamere *	3.16m rising	05:00 PM THU 06/01/11
Dawson R at Taroom *	5.21m rising	05:00 PM THU 06/01/11
Dawson R at Theodore	12.09m falling slowly	04:30 PM THU 06/01/11
Mimosa Ck at Redcliff *	3.78m rising	05:00 PM THU 06/01/11
Dawson R at Baralaba	13.7m falling	06:00 PM THU 06/01/11
Dawson R at Beckers *	16.39m falling	05:00 PM THU 06/01/11
Dawson R at Knebworth *	16.28m rising	06:00 PM THU 06/01/11
Comet R at The Lake *	11.9m steady	03:33 PM THU 06/01/11
Comet R at Comet Weir *	8.86m falling	05:00 PM THU 06/01/11
Nogoa R at Raymond #	4.65m falling	06:40 PM THU 06/01/11
Nogoa R at Craigmore #	7.71m rising	06:08 PM THU 06/01/11
Nogoa R at Fairbairn Dam HW *	1.62m falling	06:00 PM THU 06/01/11
Nogoa R at Emerald #	10.1m falling	06:17 PM THU 06/01/11
Policeman's Ck at Rubyvale #	0.85m falling	05:16 PM THU 06/01/11
Theresa Ck at Gregory Highway #	6.12m rising	06:31 PM THU 06/01/11
Mackenzie R at Bedford Weir TW #	17.85m falling	06:31 PM THU 06/01/11
Mackenzie R at Bingegang Weir HW #	8.38m falling	06:41 PM THU 06/01/11
Connors R at Pink Lagoon *	6.38m steady	05:33 PM THU 06/01/11
Isaac R at Yatton *	9.88m falling	02:00 PM THU 06/01/11
Mackenzie R at Tartrus *	15.25m rising	08:35 AM THU 06/01/11
Fitzroy R at Riverslea *	26.7m falling	05:30 PM THU 06/01/11
Fitzroy R at Rockhampton	9.15m steady	05:04 PM THU 06/01/11

*,# denotes automatic station.

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public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:00 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight following a peak of 9.2 metres on Wednesday. Levels will fall very slowly through the weekend with little change expected today. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Moderate to major flood levels continue to fall along the Mackenzie River, where the main flood peak is now downstream of Tartrus. Levels will fall gradually between the Comet confluence and Tartrus.

DAWSON RIVER:
Renewed rises along the upper Dawson River and minor flooding at Taroom continue. Further rises and moderate flood levels are possible at Taroom during Friday. Renewed rises will extend to the Glebe area during the weekend. Downstream at Theodore, Moura and Baralaba, levels will continue to fall into the weekend before renewed rises and minor flooding during next week. These renewed rises will remain well below the recent high level flood peaks.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea, where at 5:30pm Thursday the river level was at 26.66 metres and falling slowly. Levels at Riverslea are expected to fall again very slowly through the weekend.

At Yaamba, flood levels have remained steady at 16.45 metres during Thursday, following a major peak of 16.55 metres recorded during Tuesday.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight following a peak of 9.2 metres on Wednesday. Levels will fall very slowly over the weekend. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore Major flood levels will continue to fall into the weekend.
Renewed rises will occur during next week with a minor,
flood peak expected of below 11 metres but
will remain well below the recent high level flood peaks.

Moura: Major flood levels will continue to fall into the weekend.
Renewed rises will occur during next week with a minor flood peak
expected of below 10 metres, but will remain well below the
recent high level flood peaks.

Baralaba: Flood levels will fall but remain above major flood level
(9 metres) until the weekend with renewed rises next week.

FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall extremely slowly during the weekend.
Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 1pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.38m rising	05:00 AM FRI 07/01/11
Juandah Ck at Windamere *	2.33m falling	05:00 AM FRI 07/01/11
Dawson R at Taroom *	5.49m rising	05:00 AM FRI 07/01/11
Dawson R at Theodore	12.09m falling slowly	04:30 PM THU 06/01/11
Dawson R at Baralaba	13.55m falling	06:00 AM FRI 07/01/11
Dawson R at Beckers *	16.11m falling	05:00 AM FRI 07/01/11
Dawson R at Knebworth *	16.16m rising	05:10 AM FRI 07/01/11
Comet R at Comet Weir *	8.6m falling	05:00 AM FRI 07/01/11
Nogoa R at Fairbairn Dam HW *	1.54m falling	05:20 AM FRI 07/01/11
Nogoa R at Emerald #	9.75m falling	06:16 AM FRI 07/01/11
Policeman's Ck at Rubyvale #	0.75m steady	04:55 AM FRI 07/01/11
Theresa Ck at Gregory Highway #	7.12m rising	05:51 AM FRI 07/01/11
Mackenzie R at Bedford Weir TW #	16.98m falling	06:30 AM FRI 07/01/11
Connors R at Pink Lagoon *	6.49m rising	05:00 AM FRI 07/01/11
Isaac R at Yatton *	9.46m falling	05:00 AM FRI 07/01/11
Mackenzie R at Tartrus *	15.25m falling	08:35 AM THU 06/01/11
Fitzroy R at Riverslea *	26.66m falling	05:20 AM FRI 07/01/11
Fitzroy R at Rockhampton	9.15m steady	05:04 PM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 1:16 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight following a peak of 9.2 metres on Wednesday. Levels will fall very slowly through the weekend with little change expected. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

CONNORS/ISAAC RIVER SYSTEM:
Minor flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding will continue to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Minor to major flood levels continue to fall along the Mackenzie River, where the main flood peak is now downstream of Tartrus. Levels will fall gradually between the Comet confluence and Tartrus.

DAWSON RIVER:
Renewed rises along the upper Dawson River and minor flooding at Taroom continue. Renewed rises will extend to the Glebe area during the weekend. Downstream at Theodore, Moura and Baralaba, levels will continue to fall into the weekend before renewed rises and minor flooding during next week. These renewed rises will remain well below the recent high level flood peaks.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea, where at noon Friday the river level was at 26.64 metres and falling slowly. Levels at Riverslea are expected to fall again very slowly through the weekend.

At Yaamba, flood levels have remained steady at 16.45 metres overnight, following a major peak of 16.55 metres recorded during Tuesday.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight following a peak of 9.2 metres on Wednesday. Levels will fall very slowly over the weekend. Rockhampton river levels are expected to remain above 8.5 metres (major) until next Friday.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore & Moura Renewed rises will occur during next week with a minor, flood peak expected. Levels will remain well below the recent high level flood peaks.

Baralaba: Flood levels will fall but remain above major flood level (9 metres) until the weekend with renewed rises next week.

FITZROY RIVER at:

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Yaamba:       Remain above major flood level for several days.

Rockhampton:  Fall extremely slowly during the weekend.
              Remain above 8.5 metres (major) until late next week.


Next Issue:
The next warning will be issued at about 7:30pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *         6.48m steady   11:00 AM FRI 07/01/11
Juandah Ck at Windamere *          2.06m falling  11:00 AM FRI 07/01/11
Dawson R at Taroom *               5.55m steady   11:00 AM FRI 07/01/11
Dawson R at Theodore               10.6m falling  11:00 AM FRI 07/01/11
Dawson R at Baralaba               13.5m falling  09:00 AM FRI 07/01/11
Dawson R at Beckers *              15.96m falling 11:00 AM FRI 07/01/11
Dawson R at Knebworth *            16.07m falling 12:10 PM FRI 07/01/11
Comet R at The Lake *              11.9m steady   03:33 PM THU 06/01/11
Comet R at Comet Weir *            8.59m steady   11:00 AM FRI 07/01/11
Nogoa R at Raymond #               4.35m steady   11:34 AM FRI 07/01/11
Nogoa R at Craigmore #             8.21m rising   12:48 PM FRI 07/01/11
Nogoa R at Fairbairn Dam HW *      1.5m steady    12:00 PM FRI 07/01/11
Nogoa R at Emerald #               9.6m steady    11:43 AM FRI 07/01/11
Policeman's Ck at Rubyvale #       0.8m steady    10:55 AM FRI 07/01/11
Theresa Ck at Gregory Highway #    7.22m steady   10:29 AM FRI 07/01/11
Mackenzie R at Bedford Weir TW #   16.58m falling 12:56 PM FRI 07/01/11
Mackenzie R at Bingegang Weir HW # 7.98m falling  12:56 PM FRI 07/01/11
Connors R at Pink Lagoon *         6.73m rising   11:00 AM FRI 07/01/11
Isaac R at Yatton *                9.34m steady   11:00 AM FRI 07/01/11
Mackenzie R at Tartrus *           14.74m rising  06:45 AM FRI 07/01/11
Fitzroy R at Riverslea *           26.65m steady  11:40 AM FRI 07/01/11
Fitzroy R at Rockhampton           9.15m steady   07:30 AM FRI 07/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:44 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the Dawson, Comet, Mackenzie and
Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres during
Friday following a peak of 9.2 metres on Wednesday. Levels will fall very slowly
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through the weekend with little change expected. Rockhampton river levels are expected to remain above 8.5 metres (major) until late next week.

CONNORS/ISAAC RIVER SYSTEM:
Minor flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding continues to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Minor to major flood levels continue to fall along the Mackenzie River, where the main flood peak is now downstream of Tartrus. Levels will fall gradually between the Comet confluence and Tartrus.

DAWSON RIVER:
Minor flood levels in the upper Dawson River at Taroom are nearing a peak. Renewed rises have commenced downstream in the Glebe area. Downstream at Theodore, Moura and Baralaba, levels will continue to fall into the weekend before renewed rises and minor flooding during next week. These renewed rises will remain well below the recent high level flood peaks.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea. At 6pm Friday the river level at Riverslea was at 26.55 metres and falling slowly, with levels expected to continue falling very slowly through the weekend.

At Yaamba, flood levels continue to remain steady at 16.45 metres, following a major peak of 16.55 metres recorded during Tuesday.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres during Friday following a peak of 9.2 metres on Wednesday. At 5:45pm Friday, the river level at Rockhampton was 9.14 metres and steady, with river levels expected to fall very slowly over the weekend. Rockhampton river levels are expected to remain above 8.5 metres (major) until next Friday.

Predicted River Heights/Flows:
DAWSON RIVER at:

Theodore & Moura	Renewed rises will occur during next week with a minor flood peak expected. Levels will remain well below the recent high level flood peaks.
Baralaba:	Flood levels will fall but remain above major flood level (9 metres) until the weekend with renewed rises next week.

FITZROY RIVER at:

Yaamba:	Remain above major flood level for several days.
Rockhampton:	Fall extremely slowly during the weekend. Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 8am Saturday.
(River heights are constantly updated on the Bureau website.)

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Latest River Heights:
Dawson R at Utopia Downs *         6.46m steady   06:00 PM FRI 07/01/11
Juandah Ck at Windamere *          1.88m steady   06:00 PM FRI 07/01/11
Dawson R at Taroom *               5.6m steady    05:00 PM FRI 07/01/11
Dawson R at Theodore               10m falling    03:40 PM FRI 07/01/11
Mimosa Ck at Redcliff *            2.62m falling  06:00 PM FRI 07/01/11
Dawson R at Beckers *              15.8m falling  05:00 PM FRI 07/01/11
Dawson R at Knebworth *            15.99m rising  07:10 PM FRI 07/01/11
Comet R at Comet Weir *            8.59m steady   12:00 PM FRI 07/01/11
Nogoa R at Raymond #               4.25m steady   05:34 PM FRI 07/01/11
Nogoa R at Craigmore #             8.26m steady   05:48 PM FRI 07/01/11
Nogoa R at Fairbairn Dam HW *      1.48m steady   06:00 PM FRI 07/01/11
Nogoa R at Emerald #               9.5m steady    05:44 PM FRI 07/01/11
Policeman's Ck at Rubyvale #       0.7m falling   07:06 PM FRI 07/01/11
Theresa Ck at Gregory Highway #    6.97m steady   07:29 PM FRI 07/01/11
Mackenzie R at Bedford Weir TW #   16.12m falling 07:40 PM FRI 07/01/11
Mackenzie R at Bingegang Weir HW # 7.93m rising   07:40 PM FRI 07/01/11
Connors R at Pink Lagoon *         6.83m steady   06:10 PM FRI 07/01/11
Isaac R at Yatton *                9.44m rising   05:00 PM FRI 07/01/11
Fitzroy R at Riverslea *           26.55m steady  06:10 PM FRI 07/01/11
Fitzroy R at Rockhampton           9.14m steady   05:45 PM FRI 07/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 8:07 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the Dawson, Comet, Mackenzie and
Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres
overnight following a peak of 9.2 metres on Wednesday. Levels will fall very
slowly from Sunday. Rockhampton river levels are expected to remain above 8.5
metres (major) until late next week.


CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding continues to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Minor to major flood levels continue to fall along the Mackenzie River, where
the main flood peak is now downstream of Tartrus. Levels will fall gradually
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between the Comet confluence and Tartrus.

DAWSON RIVER:
Minor flood levels in the upper Dawson River at Taroom are nearing a peak. Renewed rises are occurring downstream in the Glebe area with only minor flood levels expected. Downstream at Theodore, Moura and Baralaba, levels will continue to fall fast this weekend before small renewed rises and minor flooding during next week.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea. At 6am Saturday the river level at Riverslea was at 26.35 metres and falling. Levels are expected to continue falling very slowly through the weekend.

At Yaamba, flood levels continue to remain steady at 16.45 metres, following a major peak of 16.55 metres recorded during Tuesday.

The Fitzroy River at Rockhampton remains steady. At 6am Saturday, the river level at Rockhampton was 9.15 metres. River levels are expected to fall very slowly from Sunday. Rockhampton river levels are expected to remain above 8.5 metres (major) until next Friday.

Predicted River Heights/Flows:
DAWSON RIVER at:

Baralaba:	Flood levels will fall but remain above major flood level (9 metres) until Monday or Tuesday.

FITZROY RIVER at:

Yaamba:	Remain above major flood level for several days.
Rockhampton:	Fall extremely slowly during the weekend. Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 4pm Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	6.09m	falling	06:00 AM SAT 08/01/11
Juandah Ck at Windamere *	1.78m	falling	06:00 AM SAT 08/01/11
Dawson R at Taroom *	5.64m	steady	06:00 AM SAT 08/01/11
Dawson R at Theodore	10m	falling	03:40 PM FRI 07/01/11
Mimosa Ck at Redcliff *	2.45m	falling	06:00 AM SAT 08/01/11
Dawson R at Baralaba	13.2m	falling	06:00 AM SAT 08/01/11
Dawson R at Beckers *	15.46m	falling	05:00 AM SAT 08/01/11
Dawson R at Knebworth *	15.88m	rising	06:10 AM SAT 08/01/11
Comet R at Comet Weir *	8.59m	falling	06:00 AM SAT 08/01/11
Nogoa R at Raymond #	4.25m	steady	05:35 AM SAT 08/01/11
Nogoa R at Craigmore #	8.01m	falling	07:00 AM SAT 08/01/11
Nogoa R at Fairbairn Dam HW *	1.46m	steady	06:00 AM SAT 08/01/11
Nogoa R at Emerald #	9.35m	falling	06:37 AM SAT 08/01/11
Policeman's Ck at Rubyvale #	0.7m	steady	04:55 AM SAT 08/01/11
Theresa Ck at Gregory Highway #	6.12m	falling	07:01 AM SAT 08/01/11
Mackenzie R at Bedford Weir TW #	15.42m	falling	07:14 AM SAT 08/01/11
Mackenzie R at Bingegang Weir HW #	7.08m	rising	07:27 AM SAT 08/01/11
Connors R at Pink Lagoon *	6.95m	steady	06:00 AM SAT 08/01/11

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Isaac R at Yatton *                9.66m rising   05:00 AM SAT 08/01/11
Fitzroy R at Riverslea *           26.35m falling 06:30 AM SAT 08/01/11
Fitzroy R at Rockhampton           9.15m steady   06:00 AM SAT 08/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 4:00 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the Dawson, Comet, Mackenzie and
Fitzroy Rivers.

The Fitzroy River at Rockhampton has remained steady at about 9.15 metres during
Saturday following a peak of 9.2 metres on Wednesday. Levels will fall very
slowly from Sunday. Rockhampton river levels are expected to remain above 8.5
metres (major) until late next week.


CONNORS/ISAAC RIVER SYSTEM:
Moderate flooding continues to ease on the Isaac River at Yatton.

COMET RIVER:
Major flooding continues to ease along the Comet River into the weekend.

MACKENZIE RIVER:
Minor to major flood levels continue to fall along the Mackenzie River, where
the main flood peak is now downstream of Tartrus. Levels will fall gradually
between the Comet confluence and Tartrus.

DAWSON RIVER:
Minor flooding is easing slowly in the upper Dawson River at Taroom. Renewed
rises are occurring downstream in the Glebe area with only minor flood levels
expected. Downstream at Theodore, Moura and Baralaba, levels will continue to
fall fast this weekend before small renewed rises and minor flooding during next
week.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea. At 2:30pm Saturday
the river level at Riverslea was at 26.22 metres and falling. Levels are
expected to continue falling very slowly through the weekend.

At Yaamba, flood levels continue to remain steady at 16.45 metres, following a
major peak of 16.55 metres recorded during Tuesday.
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The Fitzroy River at Rockhampton remains steady. At 3:30pm Saturday, the river level at Rockhampton was 9.10 metres. River levels are expected to fall very slowly from Sunday. Rockhampton river levels are expected to remain above 8.5 metres (major) until next Friday.

Predicted River Heights/Flows:
DAWSON RIVER at:

Baralaba: Flood levels will fall but remain above major flood level (9 metres) until Monday or Tuesday.

FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall extremely slowly during the weekend.
Remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 7am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	5.38m falling	02:00 PM SAT 08/01/11
Juandah Ck at Windamere *	1.59m falling	02:00 PM SAT 08/01/11
Dawson R at Taroom *	5.57m falling	02:00 PM SAT 08/01/11
Dawson R at Theodore	9.6m falling slowly	02:30 PM SAT 08/01/11
Dawson R at Moura	10.6m falling fast	12:00 PM SAT 08/01/11
Mimosa Ck at Redcliff *	2.38m steady	02:00 PM SAT 08/01/11
Dawson R at Baralaba	12.9m falling	03:00 PM SAT 08/01/11
Dawson R at Beckers *	15.11m falling	02:00 PM SAT 08/01/11
Dawson R at Knebworth *	15.74m rising	03:10 PM SAT 08/01/11
Comet R at Comet Weir *	8.46m falling	02:00 PM SAT 08/01/11
Nogoa R at Raymond #	4.15m steady	02:34 PM SAT 08/01/11
Nogoa R at Craigmore #	7.61m falling	03:03 PM SAT 08/01/11
Nogoa R at Fairbairn Dam HW *	1.45m steady	12:00 PM SAT 08/01/11
Nogoa R at Emerald #	9.25m falling	03:49 PM SAT 08/01/11
Policeman's Ck at Rubyvale #	0.7m falling	03:21 PM SAT 08/01/11
Theresa Ck at Gregory Highway #	5.27m falling	03:31 PM SAT 08/01/11
Mackenzie R at Bedford Weir TW #	15.12m falling	03:42 PM SAT 08/01/11
Mackenzie R at Bingegang Weir HW #	6.23m rising	03:53 PM SAT 08/01/11
Connors R at Pink Lagoon *	6.87m falling	02:00 PM SAT 08/01/11
Isaac R at Yatton *	9.78m steady	02:00 PM SAT 08/01/11
Mackenzie R at Tartrus *	14.05m falling	07:30 AM SAT 08/01/11
Fitzroy R at Riverslea *	26.23m steady	02:30 PM SAT 08/01/11
Fitzroy R at Rockhampton	9.1m steady	03:30 PM SAT 08/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:55 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the Dawson, Comet, Mackenzie and Fitzroy Rivers. The Fitzroy River at Rockhampton has remained steady at about 9.15 metres overnight. Levels will fall very slowly from Sunday and are expected to remain above 8.5 metres (major) until late next week.

ISAAC/COMET/MACKENZIE CATCHMENTS:
Major to minor flood levels will continue to fall gradually along these rivers.

DAWSON RIVER:
Minor flooding continues between Taroom and Moura. A small minor flood peak is moving down the Dawson River and is currently approaching Theodore. Major flood levels between Baralaba to Beckers are expected to drop quickly over the next 48 hours.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea. At 5am Sunday, the river level at Riverslea was at 25.92 metres and falling. Levels are expected to continue falling.

At Yaamba, flood levels continue to remain steady at 16.45 metres.

The Fitzroy River at Rockhampton remains steady. At 5:30am Sunday, the river level at Rockhampton was 9.15 metres. River levels are expected to fall very slowly from Sunday. Rockhampton river levels are expected to remain above 8.5 metres (major) until next Friday.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall extremely slowly and remain above 8.5 metres (major) until late next week.

Next Issue:
The next warning will be issued at about 7pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	4.03m falling	05:00 AM SUN 09/01/11
Juandah Ck at Windamere *	1.43m falling	05:00 AM SUN 09/01/11
Dawson R at Taroom *	5.36m falling	05:00 AM SUN 09/01/11
Dawson R at Theodore	9.6m steady	04:00 PM SAT 08/01/11
Dawson R at Moura	9.9m falling fast	05:30 PM SAT 08/01/11
Dawson R at Baralaba	12.25m falling	06:00 AM SUN 09/01/11
Dawson R at Beckers *	14.36m falling	05:00 AM SUN 09/01/11
Dawson R at Knebworth *	15.46m rising	04:40 AM SUN 09/01/11

Comet R at Comet Weir *	8.13m falling	05:00 AM SUN 09/01/11
Nogoa R at Fairbairn Dam HW *	1.38m falling	04:55 AM SUN 09/01/11
Nogoa R at Emerald #	9.15m steady	05:43 AM SUN 09/01/11
Mackenzie R at Bedford Weir TW #	14.45m steady	06:14 AM SUN 09/01/11
Mackenzie R at Bingegang Weir HW #	5.53m falling	06:34 AM SUN 09/01/11
Isaac R at Yatton *	9.75m steady	05:00 AM SUN 09/01/11
Mackenzie R at Tartrus *	14.05m falling	07:30 AM SAT 08/01/11
Fitzroy R at Riverslea *	25.92m steady	05:10 AM SUN 09/01/11
Fitzroy R at Rockhampton	9.15m steady	05:36 AM SUN 09/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 3:39 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Dawson and Fitzroy Rivers. The Fitzroy River at Rockhampton has fallen very slowly during Sunday and at noon was about 9.1 metres. Levels will fall very slowly this week and are expected to remain above 8.5 metres (major) until later this week.

ISAAC/COMET/MACKENZIE CATCHMENTS:
Minor to moderate flood levels will continue to fall gradually along these rivers during this week.

DAWSON RIVER:
Minor flooding continues between Taroom and Moura. A small minor flood peak is moving down the Dawson River and is currently approaching Theodore. Major flood levels between Baralaba to Knebworth are expected to drop quickly over the next 48 hours.

FITZROY RIVER:
Major flooding continues in the Fitzroy River at Riverslea. At 2:40pm Sunday, the river level at Riverslea was at 25.65 metres and falling. Levels are expected to continue falling.

At Yaamba, flood levels are easing very slowly and at 9am the river level was 16.4 metres.

The Fitzroy River at Rockhampton remains steady. At noon Sunday, the river level at Rockhampton was 9.1 metres. River levels are expected to fall very slowly during this week and are expected to remain above 8.5 metres (major) until later this week.

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Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba:           Remain above major flood level for several days.

Rockhampton:      Fall extremely slowly and remain above 8.5 metres (major)
             until later this week.

Next Issue:
The next warning will be issued at about 8am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *         3.67m falling   02:00 PM SUN 09/01/11
Juandah Ck at Windamere *          1.36m falling   02:00 PM SUN 09/01/11
Dawson R at Taroom *               5.16m falling   02:00 PM SUN 09/01/11
Dawson R at Theodore               9.60m steady    04:00 PM SAT 08/01/11
Dawson R at Moura                  8m falling fast 12:15 PM SUN 09/01/11
Mimosa Ck at Redcliff *            2.24m steady    02:00 PM SUN 09/01/11
Dawson R at Baralaba               11.75m falling  03:00 PM SUN 09/01/11
Dawson R at Beckers *              13.77m falling  02:00 PM SUN 09/01/11
Dawson R at Knebworth *            15.2m falling   02:05 PM SUN 09/01/11
Comet R at Comet Weir *            7.95m falling   01:00 PM SUN 09/01/11
Nogoa R at Raymond #               4m steady       02:34 PM SUN 09/01/11
Nogoa R at Craigmore #             6.61m falling   12:18 PM SUN 09/01/11
Nogoa R at Fairbairn Dam HW *      1.34m steady    01:50 PM SUN 09/01/11
Nogoa R at Emerald #               9m steady       02:43 PM SUN 09/01/11
Policeman's Ck at Rubyvale #       0.75m rising    02:52 PM SUN 09/01/11
Theresa Ck at Gregory Highway #    3.07m falling   02:21 PM SUN 09/01/11
Mackenzie R at Bedford Weir TW #   14.22m falling  02:56 PM SUN 09/01/11
Mackenzie R at Bingegang Weir HW # 5.38m falling   02:56 PM SUN 09/01/11
Connors R at Pink Lagoon *         5.89m falling   02:00 PM SUN 09/01/11
Isaac R at Yatton *                9.61m rising    12:00 PM SUN 09/01/11
Mackenzie R at Tartrus *           13.23m falling  06:30 AM SUN 09/01/11
Fitzroy R at Riverslea *           25.65m falling  02:40 PM SUN 09/01/11
Fitzroy R at Rockhampton           9.1m steady     12:00 PM SUN 09/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 6:42 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Dawson and Fitzroy Rivers. The Fitzroy
River at Rockhampton will continue falling very slowly. At 9pm Sunday, the
Rockhampton river level was about 9.1 metres. Levels will fall very slowly this
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week and fall to about 8.5 metres (major) by late this week.

ISAAC/COMET/MACKENZIE CATCHMENTS:
Minor to moderate flood levels will continue to fall gradually along these rivers during this week.

DAWSON RIVER:
Minor flooding continues between Taroom and Moura. A small minor flood peak is moving down the Dawson River and is currently approaching Theodore, but river levels will remain metres below their earlier peaks. Major flood levels between Baralaba to Knebworth are expected to drop quickly over the next 48 hours.

FITZROY RIVER:
Major flood levels continue to fall slowly in the Fitzroy River at Riverslea. At 5:20am Monday, the river level at Riverslea was at 25.2 metres and falling. Levels are expected to continue falling.

At Yaamba, flood levels are easing very slowly. At 6pm Sunday the river level was 16.38 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 9pm Sunday, the river level at Rockhampton was 9.1 metres. River levels are expected to fall very slowly this week, and fall to about 8.5 metres (major) by late this week.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall slowly; fall to about 8.5 metres (major) by late this week.

Next Issue:
The next warning will be issued at about 4pm Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Taroom *	4.62m falling	05:00 AM MON 10/01/11
Dawson R at Moura	7.85m falling fast	05:20 PM SUN 09/01/11
Dawson R at Baralaba	10.65m falling	06:00 AM MON 10/01/11
Dawson R at Beckers *	12.6m falling	05:00 AM MON 10/01/11
Dawson R at Knebworth *	14.51m falling	05:00 AM MON 10/01/11
Comet R at Comet Weir *	7.61m falling	05:00 AM MON 10/01/11
Nogoa R at Raymond #	3.6m falling	05:34 AM MON 10/01/11
Nogoa R at Craigmore #	6.11m falling	05:48 AM MON 10/01/11
Nogoa R at Fairbairn Dam HW *	1.24m falling	05:35 AM MON 10/01/11
Nogoa R at Emerald #	8.7m falling	05:43 AM MON 10/01/11
Theresa Ck at Gregory Highway #	2.52m falling	05:36 AM MON 10/01/11
Mackenzie R at Bedford Weir TW #	13.45m falling	06:10 AM MON 10/01/11
Mackenzie R at Bingegang Weir HW #	1.78m falling	06:16 AM MON 10/01/11
Connors R at Pink Lagoon *	5.1m falling	05:00 AM MON 10/01/11
Isaac R at Yatton *	8.87m falling	05:00 AM MON 10/01/11
Mackenzie R at Tartrus *	13.23m falling	06:30 AM SUN 09/01/11
Fitzroy R at Riverslea *	25.19m falling	05:20 AM MON 10/01/11
Fitzroy R at Yaamba	16.38m falling	06:00 PM SUN 09/01/11
Fitzroy R at Rockhampton	9.1m steady	09:00 PM SUN 09/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 3:55 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Dawson and Fitzroy Rivers. The Fitzroy River at Rockhampton will continue falling very slowly. At 2pm Monday, the Rockhampton river level was about 9.1 metres. Levels will fall very slowly this week and fall to about 8.5 metres (major) by late this week.

ISAAC/COMET/MACKENZIE CATCHMENTS:
Minor to moderate flood levels will continue to fall gradually along these rivers during this week.

DAWSON RIVER:
Minor flooding continues between Taroom and Moura. A small minor flood peak is moving down the Dawson River and is currently approaching Theodore, but river levels will remain metres below their earlier peaks. Moderate to major flood levels between Baralaba to Knebworth are expected to drop quickly over the next 48 hours.

FITZROY RIVER:
Major flood levels continue to fall slowly in the Fitzroy River at Riverslea. At 2pm Monday, the river level at Riverslea was at 24.87 metres and falling. Levels are expected to continue falling.

At Yaamba, flood levels are easing very slowly. At 9am Monday the river level was 16.3 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 2pm Sunday, the river level at Rockhampton was 9.1 metres. River levels are expected to fall very slowly this week, and fall to about 8.5 metres (major) by late this week.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba: Remain above major flood level for several days.

Rockhampton: Fall slowly; fall to about 8.5 metres (major) by late this week.

Next Issue:
The next warning will be issued at about 8am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.37m rising	02:00 PM MON 10/01/11
Juandah Ck at Windamere *	1.25m steady	02:33 PM MON 10/01/11
Dawson R at Taroom *	4.26m falling	02:00 PM MON 10/01/11

Dawson R at Moura	7.75m rising slowly	10:45 AM MON 10/01/11
Mimosa Ck at Redcliff *	2.28m steady	02:00 PM MON 10/01/11
Dawson R at Baralaba	9.95m falling	03:00 PM MON 10/01/11
Dawson R at Beckers *	11.75m falling	02:40 PM MON 10/01/11
Dawson R at Knebworth *	13.87m falling	03:10 PM MON 10/01/11
Comet R at Comet Weir *	7.47m falling	02:00 PM MON 10/01/11
Nogoa R at Raymond #	3.3m falling	02:53 PM MON 10/01/11
Nogoa R at Craigmore #	5.91m falling	01:46 PM MON 10/01/11
Nogoa R at Fairbairn Dam HW *	1.19m falling	01:50 PM MON 10/01/11
Nogoa R at Emerald #	8.5m steady	02:43 PM MON 10/01/11
Policeman's Ck at Rubyvale #	0.7m falling	02:17 PM MON 10/01/11
Theresa Ck at Gregory Highway #	2.32m falling	01:42 PM MON 10/01/11
Mackenzie R at Bedford Weir TW #	13.15m rising	03:35 PM MON 10/01/11
Mackenzie R at Bingegang Weir HW #	3.78m falling	03:36 PM MON 10/01/11
Connors R at Pink Lagoon *	4.74m falling	02:00 PM MON 10/01/11
Isaac R at Yatton *	8.24m falling	02:20 PM MON 10/01/11
Mackenzie R at Tartrus *	12.03m falling	07:55 AM MON 10/01/11
Fitzroy R at Riverslea *	24.87m falling	02:00 PM MON 10/01/11
Fitzroy R at Rockhampton	9.1m steady	02:00 PM MON 10/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 7:11 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Dawson and Fitzroy Rivers. The Fitzroy River at Rockhampton will continue falling very slowly. At 3:15am Tuesday, the Rockhampton river level was about 9.1 metres. River levels will continue to fall to about 8.5 metres (major) by late this week.

COMET AND MACKENZIE CATCHMENTS:
Minor to moderate flooding will continue to slowly ease during this week.

DAWSON RIVER:
Minor flooding continues along the Dawson River between Isla-Delusion Crossing and Moura. A small minor flood peak is moving down the Dawson River and is currently approaching Theodore, but river levels will remain metres below their earlier peaks. Moderate to major flooding continues to ease between Baralaba and Knebworth.

FITZROY RIVER:
Major flood levels continue to fall slowly in the Fitzroy River at Riverslea. At 5:20am Tuesday, the river level at Riverslea was at 24.14 metres and falling. Levels are expected to continue falling during the remainder of this week and

into next week.

At Yaamba, major flood levels continue to ease very slowly. At 6pm Monday the river level was 16.25 metres.

Major flood levels in the Fitzroy River at Rockhampton continue to slowly ease. At 3:15am Tuesday, the river level at Rockhampton was 9.1 metres. River levels are expected to continue to fall very slowly to about 8.5 metres (major) by late this week.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba	Remain above major flood level for several days.
Rockhampton	Fall slowly; fall to about 8.5 metres (major) by late this week.

Weather Forecast:
Isolated showers. Isolated afternoon and evening thunderstorms.

Next Issue:
The next warning will be issued at about 4pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.57m rising	05:00 AM TUE 11/01/11
Juandah Ck at Windamere *	1.21m steady	05:00 AM TUE 11/01/11
Dawson R at Taroom *	3.76m falling	05:00 AM TUE 11/01/11
Dawson R at Theodore	NA	
Dawson R at Moura	7.85m rising slowly	04:30 PM MON 10/01/11
Mimosa Ck at Redcliff *	2.2m steady	05:00 AM TUE 11/01/11
Dawson R at Baralaba	8.85m falling	06:00 AM TUE 11/01/11
Dawson R at Beckers *	10.59m falling	05:00 AM TUE 11/01/11
Dawson R at Knebworth *	12.86m falling	06:05 AM TUE 11/01/11
Comet R at Comet Weir *	7.31m steady	05:00 AM TUE 11/01/11
Nogoa R at Raymond #	2.85m steady	05:34 AM TUE 11/01/11
Nogoa R at Craigmore #	5.56m falling	06:59 AM TUE 11/01/11
Nogoa R at Fairbairn Dam HW *	1.1m steady	06:00 AM TUE 11/01/11
Nogoa R at Emerald #	8.15m falling	06:25 AM TUE 11/01/11
Policeman's Ck at Rubyvale #	0.65m steady	04:55 AM TUE 11/01/11
Theresa Ck at Gregory Highway #	2.07m falling	05:31 AM TUE 11/01/11
Mackenzie R at Bedford Weir TW #	12.52m rising	06:46 AM TUE 11/01/11
Mackenzie R at Bingegang Weir HW #	2.63m rising	07:09 AM TUE 11/01/11
Connors R at Pink Lagoon *	4.3m steady	05:00 AM TUE 11/01/11
Isaac R at Yatton *	7.16m falling	05:00 AM TUE 11/01/11
Mackenzie R at Tartrus *	12.03m falling	07:55 AM MON 10/01/11
Fitzroy R at Riverslea *	24.14m falling	05:20 AM TUE 11/01/11
Fitzroy R at Rockhampton	9.1m steady	03:15 AM TUE 11/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 3:59 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the lower Dawson and Fitzroy Rivers. The Fitzroy River at Rockhampton will continue falling slowly. At 2pm Tuesday, the Rockhampton river level was about 8.9 metres. River levels will continue to fall to about 8.5 metres (major) by late this week.

COMET AND MACKENZIE CATCHMENTS:
Minor to moderate flooding will continue to slowly ease during this week.

DAWSON RIVER:
Minor to moderate flooding continues along the Dawson River between Isla-Delusion Crossing and Knebworth.

FITZROY RIVER:
Major flood levels continue to fall slowly in the Fitzroy River at Riverslea. At 5:20am Tuesday, the river level at Riverslea was at 24.14 metres and falling. Levels are expected to continue falling during the remainder of this week and into next week.

At Yaamba, major flood levels continue to ease very slowly and at 9am Tuesday the river level was 16.18 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 2pm Tuesday, the Rockhampton river level was about 8.9 metres. River levels will continue to fall to about 8.5 metres (major) by late this week.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba	Remain above major flood level for several days.
Rockhampton	Fall slowly; fall to about 8.5 metres (major) by late this week.

Weather Forecast:
Isolated showers. Isolated afternoon and evening thunderstorms.

Next Issue:
The next warning will be issued at about noon Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	4.36m rising	02:00 PM TUE 11/01/11
Juandah Ck at Windamere *	1.93m rising	02:40 PM TUE 11/01/11
Dawson R at Taroom *	3.62m steady	02:00 PM TUE 11/01/11
Dawson R at Moura	7.85m rising slowly	04:30 PM MON 10/01/11
Mimosa Ck at Redcliff *	2.16m steady	02:00 PM TUE 11/01/11
Dawson R at Baralaba	8.6m falling	03:00 PM TUE 11/01/11
Dawson R at Beckers *	10.06m falling	02:00 PM TUE 11/01/11
Dawson R at Knebworth *	12.28m rising	03:05 PM TUE 11/01/11
Comet R at Comet Weir *	7.26m steady	11:00 AM TUE 11/01/11
Nogoa R at Raymond #	2.65m falling	03:14 PM TUE 11/01/11

Nogoa R at Craigmore #	5.36m falling	02:48 PM TUE 11/01/11
Nogoa R at Fairbairn Dam HW *	1.05m falling	01:50 PM TUE 11/01/11
Nogoa R at Emerald #	7.95m falling	03:24 PM TUE 11/01/11
Policeman's Ck at Rubyvale #	0.7m steady	01:55 PM TUE 11/01/11
Theresa Ck at Gregory Highway #	2.07m steady	01:29 PM TUE 11/01/11
Mackenzie R at Bedford Weir TW #	12.32m falling	03:31 PM TUE 11/01/11
Mackenzie R at Bingegang Weir HW #	2.43m rising	03:42 PM TUE 11/01/11
Connors R at Pink Lagoon *	4.16m falling	02:00 PM TUE 11/01/11
Isaac R at Yatton *	6.57m steady	02:00 PM TUE 11/01/11
Mackenzie R at Tartrus *	10.67m falling	06:30 AM TUE 11/01/11
Fitzroy R at Riverslea *	23.62m falling	02:40 PM TUE 11/01/11
Fitzroy R at Rockhampton	8.9m falling slowly	02:00 PM TUE 11/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER BASIN
Issued at 11:47 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues along the Lower Dawson River. Major flooding continues along the Fitzroy River between The Gap and Rockhampton. The Fitzroy River at Rockhampton will continue falling slowly. At 5am Wednesday, the Rockhampton river level was about 8.9 metres and expected to fall to around 8.5 metres (major) by late next week.

COMET AND MACKENZIE CATCHMENTS:
Minor flooding will continue to slowly ease during this week.

DAWSON RIVER:
Minor to moderate flooding continues to ease along the Dawson River between Woodleigh and Knebworth.

FITZROY RIVER:
Flood levels have now fallen below major on the Fitzroy River at Riverslea. At 10am Wednesday the river level at Riverslea was 22.26 metres and falling steadily and expected to continue falling into next week.

At Yaamba, major flood levels continue to ease very slowly and at 9am Wednesday the river level was 15.94 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 5am Wednesday, the Rockhampton river level was about 8.9 metres and steady. River levels will continue to fall to about 8.5 metres (major) by late this week.

Predicted River Heights/Flows:
FITZROY RIVER at:

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Yaamba                Remain above major flood level for several days.

Rockhampton           Fall slowly; fall to about 8.5 metres (major) by late
                      this week.

Weather Forecast:
Isolated showers. Isolated afternoon and evening thunderstorms.

Next Issue:
The next warning will be issued at about 10am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *          3.78m falling       10:00 AM WED 12/01/11
Juandah Ck at Windamere *           1.71m falling       10:25 AM WED 12/01/11
Dawson R at Taroom *                3.9m rising         10:00 AM WED 12/01/11
Mimosa Ck at Redcliff *             2.04m steady        09:00 AM WED 12/01/11
Dawson R at Baralaba                8.45m steady        09:00 AM WED 12/01/11
Dawson R at Beckers *               9.6m steady         08:00 AM WED 12/01/11
Dawson R at Knebworth *             11.26m rising       10:10 AM WED 12/01/11
Comet R at Comet Weir *             7m falling          09:00 AM WED 12/01/11
Nogoa R at Raymond #                2.45m steady        08:34 AM WED 12/01/11
Nogoa R at Craigmore #              4.76m falling       09:45 AM WED 12/01/11
Nogoa R at Fairbairn Dam HW *       0.96m falling       08:10 AM WED 12/01/11
Nogoa R at Emerald #                7.6m falling        09:30 AM WED 12/01/11
Policeman's Ck at Rubyvale #        0.7m steady         10:55 AM WED 12/01/11
Theresa Ck at Gregory Highway #     1.87m falling       10:51 AM WED 12/01/11
Mackenzie R at Bedford Weir TW #    11.79m steady       11:05 AM WED 12/01/11
Mackenzie R at Bingegang Weir HW #  1.98m rising        11:15 AM WED 12/01/11
Connors R at Pink Lagoon *          4.02m falling       09:00 AM WED 12/01/11
Isaac R at Yatton *                 5.8m falling        08:00 AM WED 12/01/11
Mackenzie R at Tartrus *            9.17m falling       07:20 AM WED 12/01/11
Fitzroy R at Riverslea *            22.26m falling      10:00 AM WED 12/01/11
Fitzroy R at Rockhampton            8.9m falling slowly 05:20 AM WED 12/01/11

*, # denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER
Issued at 8:11 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues along the Lower Dawson River. Major flooding
continues to ease slowly along the Fitzroy River between The Gap and
Rockhampton.
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DAWSON, COMET AND MACKENZIE RIVERS:
Minor flooding will continue to slowly ease during this week in the Comet and Mackenzie Rivers. Minor to moderate flooding continues to ease along the Dawson River between Woodleigh and Knebworth.

FITZROY RIVER:
Flood levels have now fallen below major on the Fitzroy River at Riverslea. At 6pm Wednesday the river level at Riverslea was 21.62 metres and falling steadily and expected to continue falling into next week.

At Yaamba, major flood levels continue to ease very slowly and at 6pm Wednesday the river level was 15.84 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 6pm Wednesday, the Rockhampton river level was about 8.8 metres and steady. River levels will continue to fall to about 8.5 metres (major) by next weekend 15th-16th January.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba	Remain above major flood level for several days.
Rockhampton	Fall to about 8.5 metres (major) by next weekend 15th-16th January.

Next Issue:
The next warning will be issued at about 10am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Baralaba	8.35m	steady	06:00 PM WED 12/01/11
Dawson R at Beckers *	9.52m	falling	05:00 PM WED 12/01/11
Dawson R at Knebworth *	10.84m	falling	07:10 PM WED 12/01/11
Comet R at Comet Weir *	7m	falling	09:00 AM WED 12/01/11
Mackenzie R at Bedford Weir TW #	11.45m	falling	07:26 PM WED 12/01/11
Mackenzie R at Bingegang Weir HW #	1.88m	rising	07:49 PM WED 12/01/11
Mackenzie R at Tartrus *	9.17m	falling	07:20 AM WED 12/01/11
Fitzroy R at Riverslea *	21.61m	falling	05:30 PM WED 12/01/11
Fitzroy R at Rockhampton	8.8m	steady	06:00 PM WED 12/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER
Issued at 10:07 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues along the Lower Dawson River. Major flooding continues to ease slowly along the Fitzroy River between The Gap and Rockhampton.

DAWSON, COMET AND MACKENZIE RIVERS:
Minor flooding will continue to slowly ease during this week in the Mackenzie River. The Comet River at Comet Weir has fallen below minor flood level. Minor to moderate flooding continues to ease along the Dawson River between Woodleigh and Knebworth.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to ease with minor flooding. At 8:10am Thursday the river level at Riverslea was 20.18 metres and falling steadily.

At Yaamba, major flood levels continue to ease very slowly and at 9am Thursday the river level was 15.60 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 5:20am Thursday, the Rockhampton river level was about 8.75 metres and steady. River levels will continue to fall to about 8.5 metres (major) by this weekend.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba	Remain above major flood level for several days.
Rockhampton	Fall to about 8.5 metres (major) by this weekend.

Weather Forecast:
Isolated showers near the coast.

Next Issue:
The next warning will be issued at about 8pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Baralaba	8.3m falling slowly	06:00 AM THU 13/01/11
Dawson R at Beckers *	9.43m steady	08:00 AM THU 13/01/11
Dawson R at Knebworth *	10.26m falling	09:10 AM THU 13/01/11
Comet R at Comet Weir *	6.49m falling	08:00 AM THU 13/01/11
Mackenzie R at Bedford Weir TW #	11.19m falling	09:29 AM THU 13/01/11
Fitzroy R at Riverslea *	20.18m falling	08:10 AM THU 13/01/11
Fitzroy R at Rockhampton	8.75m falling slowly	05:20 AM THU 13/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER
Issued at 8:06 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues to ease slowly along the Fitzroy River between The Gap and Rockhampton. Moderate flooding continues along the Lower Dawson River.

DAWSON, COMET AND MACKENZIE RIVERS:
Minor flooding will continue to slowly ease during this week in the Mackenzie River. Minor to moderate flooding continues to ease along the Dawson River between Moura and Knebworth.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to ease with minor flooding. At 6pm Thursday the river level at Riverslea was 19.08 metres and falling.

At Yaamba, major flood levels continue to ease very slowly and at 6pm Thursday the river level was 15.45 metres.

The Fitzroy River at Rockhampton will continue falling slowly. At 6:45pm Thursday, the Rockhampton river level was about 8.65 metres and falling slowly. River levels will continue to fall to about 8.5 metres (major) by this weekend.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba	Fall below the major flood level early in the weekend.
Rockhampton	Fall to about 8.5 metres (major) by this weekend.

Weather Forecast:
Isolated showers near the coast.

Next Issue:
The next warning will be issued at about 9am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.26m falling	06:00 PM THU 13/01/11
Juandah Ck at Windamere *	2.15m rising	06:00 PM THU 13/01/11
Dawson R at Taroom *	3.71m falling	06:00 PM THU 13/01/11
Mimosa Ck at Redcliff *	1.91m steady	06:00 PM THU 13/01/11
Dawson R at Baralaba	8.2m falling slowly	06:00 PM THU 13/01/11
Dawson R at Beckers *	9.33m falling	05:00 PM THU 13/01/11
Dawson R at Knebworth *	9.93m rising	07:10 PM THU 13/01/11
Comet R at Comet Weir *	6.17m falling	06:00 PM THU 13/01/11
Nogoa R at Raymond #	2.2m falling	05:37 PM THU 13/01/11
Nogoa R at Craigmore #	4.11m falling	05:48 PM THU 13/01/11
Nogoa R at Fairbairn Dam HW *	0.8m steady	06:00 PM THU 13/01/11
Nogoa R at Emerald #	7m steady	05:42 PM THU 13/01/11
Policeman's Ck at Rubyvale #	0.65m steady	04:54 PM THU 13/01/11
Theresa Ck at Gregory Highway #	1.67m steady	07:29 PM THU 13/01/11
Mackenzie R at Bedford Weir TW #	10.79m falling	07:00 PM THU 13/01/11
Mackenzie R at Bingegang Weir HW #	1.08m rising	07:44 PM THU 13/01/11
Connors R at Pink Lagoon *	3.54m steady	06:00 PM THU 13/01/11
Isaac R at Yatton *	5.12m falling	05:00 PM THU 13/01/11
Mackenzie R at Tartrus *	8.15m falling	09:35 AM THU 13/01/11
Fitzroy R at Riverslea *	19.08m falling	06:00 PM THU 13/01/11
Fitzroy R at Rockhampton	8.65m falling slowly	06:45 PM THU 13/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER
Issued at 9:07 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease slowly along the Fitzroy River between The Gap and Rockhampton. Moderate flooding continues along the Lower Dawson River.

DAWSON, COMET AND MACKENZIE RIVERS:
Minor flooding will continue to slowly ease during this week in the Mackenzie River. Minor to moderate flooding continues to ease along the Dawson River between Moura and Knebworth.

FITZROY RIVER:
The Fitzroy River at Riverslea continues to ease with minor flooding. At 8am Friday the river level at Riverslea was 17.31 metres and falling.

At Yaamba, major flood levels continue to ease very slowly and at 6pm Thursday the river level was 15.45 metres.

The Fitzroy River at Rockhampton continues to fall slowly. At 8am Friday, the Rockhampton river level was about 8.53 metres and falling. River levels will fall below major flood level [8.5 metres] later on Friday, and will continue easing slowly over the weekend.

Predicted River Heights/Flows:
FITZROY RIVER at:

Yaamba Fall below the major flood level [15 metres] early in the weekend.

Rockhampton Fall below the major flood level [8.5 metres] late Friday, and continue to fall slowly over the weekend.

Weather Forecast:
A brief shower.

Next Issue:
The next warning will be issued at about 9am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	3.06m falling	08:00 AM FRI 14/01/11
Juandah Ck at Windamere *	1.78m falling	08:00 AM FRI 14/01/11

Dawson R at Taroom *	3.44m falling	08:00 AM FRI 14/01/11
Mimosa Ck at Redcliff *	1.87m steady	08:00 AM FRI 14/01/11
Dawson R at Baralaba	7.8m falling	05:30 AM FRI 14/01/11
Dawson R at Beckers *	8.96m falling	08:00 AM FRI 14/01/11
Dawson R at Knebworth *	9.46m falling	08:20 AM FRI 14/01/11
Comet R at Comet Weir *	5.71m falling	07:00 AM FRI 14/01/11
Nogoa R at Raymond #	2.15m steady	08:34 AM FRI 14/01/11
Nogoa R at Craigmore #	3.91m falling	08:58 AM FRI 14/01/11
Nogoa R at Fairbairn Dam HW *	0.74m falling	08:00 AM FRI 14/01/11
Nogoa R at Emerald #	6.75m falling	08:48 AM FRI 14/01/11
Policeman's Ck at Rubyvale #	0.65m steady	07:54 AM FRI 14/01/11
Theresa Ck at Gregory Highway #	1.57m steady	07:29 AM FRI 14/01/11
Mackenzie R at Bedford Weir TW #	10.26m falling	08:07 AM FRI 14/01/11
Mackenzie R at Bingegang Weir HW #	0.88m falling	08:58 AM FRI 14/01/11
Connors R at Pink Lagoon *	3.93m rising	08:00 AM FRI 14/01/11
Isaac R at Yatton *	4.95m steady	08:00 AM FRI 14/01/11
Mackenzie R at Tartrus *	7.88m steady	07:40 AM FRI 14/01/11
Fitzroy R at Riverslea *	17.29m falling	08:10 AM FRI 14/01/11
Fitzroy R at Rockhampton	8.53m falling slowly	08:00 AM FRI 14/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER
Issued at 8:58 AM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease slowly along the Fitzroy River between The Gap and Rockhampton. Minor flooding continues along the Lower Dawson River.

DAWSON, COMET AND MACKENZIE RIVERS:
Minor flooding along the Dawson River between Baralaba and Knebworth will continue to slowly ease during the weekend and early next week. Minor flooding also continues to ease in the Mackenzie River at Bedford Weir.

FITZROY RIVER:
The Fitzroy River at Riverslea fell below minor flood level overnight Friday.

At Yaamba, moderate flood levels continue to ease slowly, and will fall below the moderate flood level later in the weekend.

The Fitzroy River at Rockhampton continues to fall slowly with moderate flooding. At 7am Saturday, the Rockhampton river level was about 8.25 metres and falling slowly. River levels will continue easing slowly over the weekend.

Predicted River Heights/Flows:
FITZROY RIVER at:

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Yaamba                Fall below the moderate flood level [12 metres]
                      later in the weekend.

Rockhampton           Fall below 8 metres during Sunday.

Weather Forecast:
Isolated showers about the coast.

Next Issue:
The next warning will be issued at about 9am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Dawson R at Utopia Downs *          2.82m falling  05:00 AM SAT 15/01/11
Juandah Ck at Windamere *           1.36m falling  05:00 AM SAT 15/01/11
Dawson R at Taroom *                3.19m rising   05:00 AM SAT 15/01/11
Mimosa Ck at Redcliff *             1.9m steady    07:00 AM SAT 15/01/11
Dawson R at Baralaba                6.45m falling  06:00 AM SAT 15/01/11
Dawson R at Beckers *               7.87m falling  05:00 AM SAT 15/01/11
Dawson R at Knebworth *             8.43m falling  07:05 AM SAT 15/01/11
Comet R at Comet Weir *             4.73m falling  07:00 AM SAT 15/01/11
Nogoa R at Raymond #                2.1m steady    05:34 AM SAT 15/01/11
Nogoa R at Craigmore #              3.76m steady   02:47 AM SAT 15/01/11
Nogoa R at Fairbairn Dam HW *       0.66m steady   06:00 AM SAT 15/01/11
Nogoa R at Emerald #                6.35m falling  07:35 AM SAT 15/01/11
Policeman's Ck at Rubyvale #        0.65m steady   07:54 AM SAT 15/01/11
Theresa Ck at Gregory Highway #     1.47m steady   07:29 AM SAT 15/01/11
Mackenzie R at Bedford Weir TW #    9.22m steady   08:07 AM SAT 15/01/11
Mackenzie R at Bingegang Weir HW # -0.42m falling 08:16 AM SAT 15/01/11
Connors R at Pink Lagoon *          5.21m falling  05:00 AM SAT 15/01/11
Isaac R at Yatton *                 5.47m rising   05:00 AM SAT 15/01/11
Fitzroy R at Riverslea *            14.03m falling 07:00 AM SAT 15/01/11
Fitzroy R at Rockhampton            8.25m falling  07:00 AM SAT 15/01/11


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FITZROY RIVER
Issued at 8:58 AM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease slowly along the Fitzroy River
between The Gap and Rockhampton. Minor flooding continues to ease along the
lower Dawson River downstream from Baralaba.

LOWER DAWSON RIVER:
Minor flooding continues to ease along the lower Dawson River between Baralaba
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and Knebworth. River levels are expected to ease below minor flood levels early this week.

FITZROY RIVER:
Minor to moderate flooding continues to ease along the Fitzroy River downstream from Riverslea through to Rockhampton City.

The Fitzroy River at Rockhampton continues to slowly fall with moderate flooding. At 5pm Saturday the Rockhampton river level was at 8.0 metres, with river levels to continue to ease during this week.

Predicted River Heights/Flows:
Rockhampton River levels to continue to ease below the moderate and minor flood levels during this week.

Weather Forecast:
Isolated showers about the coast, also developing over inland parts this afternoon.

Next Issue:
The next warning will be issued at about 9am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Baralaba	5.4m falling	06:00 AM SUN 16/01/11
Dawson R at Beckers *	6.57m falling	08:00 AM SUN 16/01/11
Dawson R at Knebworth *	7.01m falling	07:50 AM SUN 16/01/11
Comet R at Comet Weir *	3.64m falling	08:00 AM SUN 16/01/11
Nogoa R at Emerald #	6m steady	08:42 AM SUN 16/01/11
Mackenzie R at Bedford Weir TW #	8.06m steady	08:05 AM SUN 16/01/11
Mackenzie R at Bingegang Weir HW #	-0.87m steady	06:28 AM SUN 16/01/11
Connors R at Pink Lagoon *	4.19m falling	08:00 AM SUN 16/01/11
Isaac R at Yatton *	1.47m falling	08:00 AM SUN 16/01/11
Mackenzie R at Tartrus *	7.6m falling	06:30 AM SUN 16/01/11
Fitzroy R at Riverslea *	10.94m falling	08:00 AM SUN 16/01/11
Fitzroy R at Rockhampton	8m falling slowly	04:40 PM SAT 15/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE FITZROY RIVER
Issued at 7:54 AM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the Fitzroy River between Yaamba and Rockhampton. Minor flooding continues to ease along the lower Dawson River downstream from Baralaba.

Next Issue:
This is the final warning. River height bulletins will continue to be issued and catchment updates will appear in the flood warning summary.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Dawson R at Utopia Downs *	2.58m steady	05:00 AM MON 17/01/11
Juandah Ck at Windamere *	1.09m steady	05:00 AM MON 17/01/11
Dawson R at Taroom *	2.56m falling	05:00 AM MON 17/01/11
Dawson R at Baralaba	5.1m falling	06:00 AM MON 17/01/11
Dawson R at Beckers *	6.13m falling	05:00 AM MON 17/01/11
Dawson R at Knebworth *	6.27m rising	07:00 AM MON 17/01/11
Comet R at The Lake *	5.74m rising	12:00 AM MON 17/01/11
Comet R at Comet Weir *	3.02m falling	12:00 AM MON 17/01/11
Nogoa R at Raymond #	2m steady	05:34 AM MON 17/01/11
Nogoa R at Craigmore #	3.41m falling	06:00 AM MON 17/01/11
Nogoa R at Fairbairn Dam HW *	0.53m steady	06:00 AM MON 17/01/11
Nogoa R at Emerald #	5.65m falling	06:23 AM MON 17/01/11
Policeman's Ck at Rubyvale #	0.6m steady	04:54 AM MON 17/01/11
Theresa Ck at Gregory Highway #	1.42m steady	07:29 AM MON 17/01/11
Mackenzie R at Bedford Weir TW #	6.79m falling	07:31 AM MON 17/01/11
Connors R at Pink Lagoon *	3.71m falling	05:00 AM MON 17/01/11
Isaac R at Yatton *	0.47m falling	05:00 AM MON 17/01/11
Mackenzie R at Tartrus *	7.41m steady	06:00 AM MON 17/01/11
Fitzroy R at Riverslea *	9.41m falling	05:00 AM MON 17/01/11
Fitzroy R at Rockhampton	7.35m falling slowly	03:10 PM SUN 16/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONNORS AND ISAAC RIVERS AND NEARBY CREEKS.
Issued at 6:30 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall has fallen overnight over the Connors and Isaac Rivers and nearby creeks, causing stream rises and minor flooding. Since 9am Sunday the highest falls include 207mm at Prospect Creek TM, 120mm at Breaside TM, 115mm at Nebo TM, 96mm at Bee Creek TM and 81mm at Isaac Creek Bridge TM.

Expect minor to moderate flooding along Denison, Prospect, Funnel, Bee and Nebo Creeks extending downstream to Pink Lagoon Monday night.

Minor flooding is possible in the Isaac River between Goonyella and Deverill during Monday extending further downstream during Tuesday.

Minor to moderate flooding expected to develop at Yatton later Tuesday.

Weather Forecast:
Rain areas with isolated thunderstorms with moderate falls possible.

Next Issue:
The next warning will be issued at noon on Monday.

Latest River Heights:
Connors R at Pink Lagoon * 1.93m steady 05:00 AM MON 31/01/11
Isaac R at Yatton * 2.88m steady 05:00 AM MON 31/01/11

* automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM609

IDQ20765

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONNORS AND ISAAC RIVERS AND NEARBY CREEKS.
Issued at 11:54 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall overnight over the Connors and Isaac Rivers and
nearby creeks has caused stream rises and minor flooding. The highest 24-hour
falls to 9am Monday include Prospect Creek TM 209mm, Blue Mountain 150mm,
Braeside TM 121mm, Nebo TM 117mm and Bee Creek TM 98mm.

Expect minor to moderate flooding along Denison, Prospect, Funnel, Bee and Nebo
Creeks extending downstream to Pink Lagoon Monday night.

Minor flooding is possible in the Isaac River between Goonyella and Deverill
during Monday extending further downstream during Tuesday.

Minor to moderate flooding expected to develop at Yatton overnight Tuesday.

Weather Forecast:
Rain areas with isolated thunderstorms.

Next Issue:
The next warning will be issued at 9am Tuesday.

Latest River Heights:
Connors R at Pink Lagoon * 2.05m steady 10:11 AM MON 31/01/11
Isaac R at Yatton * 2.87m steady 10:00 AM MON 31/01/11

* automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(14)"

FLDWARN for the Burnett River basin

1 December 2010 to 31 January 2011

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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BOYNE, BARAMBAH AND LOWER BURNETT CATCHMENTS
Issued at 5:39 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday is likely to produce river level rises with some
minor flooding in the Barambah/Barker Creek system. Minor flooding will continue
overnight at Cooranga and Derra in the Stuart/Boyne catchment with further rises
likely. Rises are also occurring along Reid Creek and Perry River.

Major flood levels along Degilbo Creek are rising with a peak expected
overnight. River level rises will occur along the Burnett River below Paradise
Dam to Bundaberg although levels at this stage are expected to remain below
minor flood levels.



Next Issue:
The next warning will be issued by 8am Monday.

Latest River Heights:
Three Moon Ck at Cania Dam HW *     -11.4m rising  05:10 PM SUN 12/12/10
Three Moon Ck at Monto *            4.2m rising    05:15 PM SUN 12/12/10
Three Moon Ck at Abercorn *         3.5m falling   05:00 PM SUN 12/12/10
Burnett R at Ceratodus *            2.69m rising   05:00 PM SUN 12/12/10
Nogo R at Wuruma Dam HW *           -14.87m steady 12:00 PM SUN 12/12/10
Burnett R at Marriages *            1.85m rising   05:15 PM SUN 12/12/10
Auburn R at Glenwood *              2.71m falling  05:00 PM SUN 12/12/10
Boyne R at Boondooma Dam *          0.45m rising   02:00 PM SUN 12/12/10
Burnett R at Gayndah Flume *        3.02m rising   05:00 PM SUN 12/12/10
Barker Ck at Bjelke-Petersen Dam *  -0.7m steady   06:00 AM SUN 12/12/10
Barambah Ck at Joe Sippel Weir HW * 0.26m rising   06:40 AM SUN 12/12/10
Barambah Ck at Ficks Crossing *     1.48m rising   06:00 AM SUN 12/12/10
Barambah Ck at Stonelands *         3.14m rising   04:40 PM SUN 12/12/10
Burnett R at Mt Lawless *           2.58m rising   05:00 PM SUN 12/12/10
Burnett R at Paradise Dam HW *      67.64m rising  03:20 PM SUN 12/12/10
Degilbo Creek at Coringa            7.14m rising   04:00 PM SUN 12/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR BOYNE, BARAMBAH AND LOWER BURNETT CATCHMENTS
Issued at 6:00 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

A heavy rain band has cleared the coastline and is currently lying off the coast. Stream levels continue to ease across the headwaters of the Burnett River basin during Monday morning. Minor flooding is easing on the Boyne River between Cooranga and Derra, and minor flooding is also easing on Degilbo Creek at Coringa.

Small river level rises will occur along the Burnett River below Paradise Dam to Bundaberg, however levels will remain below minor flood levels.

Weather Forecast:
Isolated showers, mainly in the afternoon and tending scattered near Fraser Island late in the day. Isolated afternoon and evening thunderstorms, chiefly inland.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.82m rising	05:00 AM MON 13/12/10
Three Moon Ck at Monto *	4.95m steady	04:55 AM MON 13/12/10
Three Moon Ck at Abercorn *	3.68m rising	02:00 AM MON 13/12/10
Burnett R at Ceratodus *	2.92m rising	04:00 AM MON 13/12/10
Nogo R at Wuruma Dam HW *	-14.87m steady	12:00 PM SUN 12/12/10
Burnett R at Marriages *	1.94m rising	04:40 AM MON 13/12/10
Auburn R at Glenwood *	2m falling	04:00 AM MON 13/12/10
Boyne R at Boondooma Dam *	0.48m rising	08:40 PM SUN 12/12/10
Burnett R at Mundubbera	NA	
Burnett R at Gayndah Flume *	4.06m rising	04:00 AM MON 13/12/10
Burnett R at Gayndah	NA	
Barker Ck at Bjelke-Petersen Dam *	-0.68m steady	06:00 PM SUN 12/12/10
Barambah Ck at Joe Sippel Weir HW *	0.26m rising	06:40 AM SUN 12/12/10
Barambah Ck at Ficks Crossing *	1.48m rising	06:00 AM SUN 12/12/10
Barambah Ck at Stonelands *	3.11m falling	02:45 AM MON 13/12/10
Burnett R at Mt Lawless *	2.98m rising	04:00 AM MON 13/12/10
Burnett R at Paradise Dam HW *	67.68m rising	01:55 AM MON 13/12/10
Burnett R at Bundaberg	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BURNETT CATCHMENT
Issued at 11:31 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises have been occurring this evening in the upper Burnett River at Ceratodus. Minor flood levels are forecast overnight at with further rises to moderate flood levels possible. Fast river rises should be expected with minor flood levels at Eidsvold overnight. Minor flooding is also rising along Three Moon Creek at Abercorn although moderate levels are not expected.

Minor flooding continues at Cooranga and Derra along the Boyne Rivers and at Walla along the lower Burnett River.

Next Issue:
The next warning will be issued by 9am Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.51m rising	08:20 PM MON 13/12/10
Three Moon Ck at Monto *	2.61m falling	10:05 PM MON 13/12/10
Three Moon Ck at Abercorn *	5.32m rising	10:00 PM MON 13/12/10
Burnett R at Ceratodus *	5.3m rising	10:00 PM MON 13/12/10
Nogo R at Wuruma Dam HW *	-14.85m steady	06:00 AM MON 13/12/10
Burnett R at Marriages *	2.2m rising	09:30 PM MON 13/12/10
Auburn R at Glenwood *	1.66m falling	10:00 PM MON 13/12/10
Boyne R at Boondooma Dam *	0.5m steady	06:00 AM MON 13/12/10
Burnett R at Gayndah Flume *	4.06m falling	10:00 PM MON 13/12/10
Barker Ck at Bjelke-Petersen Dam *	-0.66m steady	06:00 AM MON 13/12/10
Barambah Ck at Joe Sippel Weir HW *	0.63m steady	06:30 AM MON 13/12/10
Barambah Ck at Ficks Crossing *	3.37m rising	06:25 AM MON 13/12/10
Barambah Ck at Stonelands *	2.63m falling	09:15 PM MON 13/12/10
Burnett R at Mt Lawless *	2.96m steady	10:00 PM MON 13/12/10
Burnett R at Paradise Dam HW *	68.05m rising	09:50 PM MON 13/12/10
Burnett R at Walla TM *	5.04m falling	11:02 PM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BURNETT CATCHMENT

Issued at 7:50 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises continue this morning in the upper Burnett catchment. Minor flood levels at Abercorn are rising with moderate flood levels of at least 6 metres possible during this morning. At Ceratodus on the Burnett River, minor flood levels are continuing with further rises possible today.

Fast river rises with minor flood levels should be expected at Eidsvold during today.

Minor flooding continues at Cooranga and Derra along the Boyne Rivers.

Next Issue:
The next warning will be issued by 5pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.43m rising	04:25 AM TUE 14/12/10
Three Moon Ck at Monto *	1.89m falling	05:45 AM TUE 14/12/10
Three Moon Ck at Abercorn *	5.69m rising	05:00 AM TUE 14/12/10
Burnett R at Ceratodus *	5.71m falling	05:00 AM TUE 14/12/10
Nogo R at Wuruma Dam HW *	-14.84m steady	06:00 AM TUE 14/12/10
Burnett R at Marriages *	2.3m rising	05:10 AM TUE 14/12/10
Auburn R at Glenwood *	1.55m falling	05:00 AM TUE 14/12/10
Boyne R at Boondooma Dam *	0.44m steady	06:00 AM TUE 14/12/10
Burnett R at Gayndah Flume *	3.68m falling	05:00 AM TUE 14/12/10
Barambah Ck at Ficks Crossing *	3.54m steady	06:00 AM TUE 14/12/10
Barambah Ck at Stonelands *	3.05m rising	06:10 AM TUE 14/12/10
Burnett R at Mt Lawless *	2.85m falling	05:00 AM TUE 14/12/10
Burnett R at Paradise Dam HW *	68.21m rising	05:35 AM TUE 14/12/10
Burnett R at Walla TM *	5.01m falling	11:51 PM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BURNETT CATCHMENT
Issued at 3:47 PM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels at Abercorn are now steady. At Ceratodus on the Burnett River, minor flood levels are now falling.

Minor flooding is occurring at Eidsvold with fast rises occurring this evening at Marriages.

Minor flooding continues at Cooranga and Derra along the Boyne Rivers.

Next Issue:
The next warning will be issued by 10am Wednesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.36m steady	01:35 PM TUE 14/12/10
Three Moon Ck at Monto *	1.47m falling	03:05 PM TUE 14/12/10
Three Moon Ck at Abercorn *	5.81m steady	03:00 PM TUE 14/12/10
Burnett R at Ceratodus *	4.82m falling	03:00 PM TUE 14/12/10
Nogo R at Wuruma Dam HW *	-14.84m steady	06:00 AM TUE 14/12/10
Burnett R at Eidsvold Br	5.6m rising slowly	09:00 AM TUE 14/12/10
Burnett R at Marriages *	3.24m rising	03:10 PM TUE 14/12/10
Auburn R at Glenwood *	1.45m steady	03:00 PM TUE 14/12/10
Boyne R at Boondooma Dam *	0.44m steady	06:00 AM TUE 14/12/10
Burnett R at Gayndah Flume *	3.22m falling	03:00 PM TUE 14/12/10
Barker Ck at Bjelke-Petersen Dam *	-0.61m steady	12:00 PM TUE 14/12/10
Barambah Ck at Joe Sippel Weir HW *	0.55m steady	06:00 AM TUE 14/12/10
Barambah Ck at Ficks Crossing *	3.54m steady	06:00 AM TUE 14/12/10
Barambah Ck at Stonelands *	3.69m rising	03:05 PM TUE 14/12/10
Burnett R at Mt Lawless *	2.65m falling	03:00 PM TUE 14/12/10
Burnett R at Paradise Dam HW *	68.31m steady	02:00 PM TUE 14/12/10
Burnett R at Walla TM *	5.1m steady	03:09 PM TUE 14/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR BURNETT CATCHMENT
Issued at 8:35 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are easing on Three Moon Ck at Abercorn on the Boyne River at
Derra and on the Burnett River at Marriages.

River levels are expected to continue easing during Wednesday.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.27m steady	06:00 AM WED 15/12/10
Three Moon Ck at Monto *	1.32m steady	06:00 AM WED 15/12/10
Three Moon Ck at Abercorn *	5.14m falling	06:00 AM WED 15/12/10
Burnett R at Ceratodus *	4.26m falling	06:00 AM WED 15/12/10

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Nogo R at Wuruma Dam HW *           -14.84m steady     06:00 AM WED 15/12/10
Burnett R at Eidsvold Br            5.6m rising slowly 09:00 AM TUE 14/12/10
Burnett R at Marriages *            4.29m falling      06:50 AM WED 15/12/10
Auburn R at Glenwood *              1.35m steady       06:00 AM WED 15/12/10
Boyne R at Boondooma Dam *          0.36m steady       06:00 AM WED 15/12/10
Burnett R at Gayndah Flume *        3.13m rising       06:00 AM WED 15/12/10
Barker Ck at Bjelke-Petersen Dam *  -0.57m steady      06:00 AM WED 15/12/10
Barambah Ck at Joe Sippel Weir HW * 0.28m steady       06:00 AM WED 15/12/10
Barambah Ck at Ficks Crossing *     2.89m falling      06:15 AM WED 15/12/10
Barambah Ck at Stonelands *         4.03m steady       06:00 AM WED 15/12/10
Burnett R at Mt Lawless *           2.42m steady       06:00 AM WED 15/12/10
Burnett R at Paradise Dam HW *      68.39m steady      04:25 AM WED 15/12/10
Burnett R at Walla TM *             4.9m falling       05:51 AM WED 15/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BOYNE AND STUART RIVERS AND DEGILBO CREEK
Issued at 10:15 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Friday and Saturday has resulted in water level rises
along the Boyne Rivers and along Degilbo Creek. Minor flooding continues at
Walla along the lower Burnett River. Further rainfall is forecast for the
Burnett catchment today.

STUART/BOYNE RIVERS

Moderate flood levels are occurring along the Stuart River at Proston with rises
continuing today as rainfall continues. Downstream at Cooranga, levels are
likely to reach reach around the major flood level of 7 metres during today.
Moderate flood levels should be expected at Derra later today.

DEGILBO CREEK

Moderate flood levels along Degilbo Creek continue to rise.

Next Issue:
The next warning will be issued by 5pm Sunday

Latest River Heights:
Three Moon Ck at Cania Dam HW *    -10.06m steady 06:00 AM SUN 19/12/10
Three Moon Ck at Monto *           0.77m steady   06:00 AM SUN 19/12/10
Three Moon Ck at Abercorn *        2.41m falling  06:00 AM SUN 19/12/10
Burnett R at Ceratodus *           2.51m steady   07:00 AM SUN 19/12/10
Nogo R at Wuruma Dam HW *          -14.69m steady 06:00 AM SUN 19/12/10
Burnett R at Marriages *           2.17m falling  08:00 AM SUN 19/12/10
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Auburn R at Glenwood *              2.06m rising   07:00 AM SUN 19/12/10
Burnett R at Gayndah Flume *        4.09m falling  07:00 AM SUN 19/12/10
Barker Ck at Bjelke-Petersen Dam *  -0.09m rising  07:30 AM SUN 19/12/10
Barambah Ck at Joe Sippel Weir HW * 0.61m steady   06:00 AM SUN 19/12/10
Barambah Ck at Ficks Crossing *     4.49m falling  06:25 AM SUN 19/12/10
Barambah Ck at Stonelands *         4.74m falling  06:00 AM SUN 19/12/10
Burnett R at Mt Lawless *           3.48m steady   07:00 AM SUN 19/12/10
Burnett R at Paradise Dam HW *      68.58m rising  05:50 AM SUN 19/12/10
Burnett R at Walla TM *             6.84m rising   05:51 AM SUN 19/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE AUBURN, BOYNE AND STUART RIVERS AND DEGILBO CREEK
Issued at 5:09 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is continuing with some major flood levels likely in
the next 36 hours along the Boyne River. Minor flooding continues at Walla along
the lower Burnett River.

STUART/BOYNE RIVERS
Moderate flood levels will continue to rise along the Stuart River at Proston
overnight with major flood levels of 7 metres possible. At Carters, minor flood
levels will be reached overnight. Downstream at Cooranga, levels are likely to
reach the major flood level of 7 metres overnight with further rises expected.
Moderate flood levels are rising at Derra with major flood levels of at least 5
metres expected during Monday. Further rises are likely throughout the catchment
while rainfall continues.

AUBURN RIVER
Minor flood levels are expected at Brovinia and Glenwood overnight with further
rises likely this week. Rises to moderate levels are possible at Glenwood.

DEGILBO CREEK
Flood levels along Degilbo Creek are expected to rise again overnight to
moderate levels.

Next Issue:
The next warning will be issued by 11am Monday.

Latest River Heights:
Three Moon Ck at Cania Dam HW *    -10.01m rising 03:15 PM SUN 19/12/10
Three Moon Ck at Monto *           0.77m rising   03:15 PM SUN 19/12/10
Three Moon Ck at Abercorn *        2.51m rising   02:37 PM SUN 19/12/10
Burnett R at Ceratodus *           2.53m rising   03:00 PM SUN 19/12/10
Nogo R at Wuruma Dam HW *          -14.66m rising 03:00 PM SUN 19/12/10
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Burnett R at Marriages *            2.07m falling  02:50 PM SUN 19/12/10
Auburn R at Glenwood *              2.61m steady   03:01 PM SUN 19/12/10
Boyne R at Boondooma Dam *          1.12m steady   12:20 PM SUN 19/12/10
Burnett R at Gayndah Flume *        3.84m steady   03:00 PM SUN 19/12/10
Barker Ck at Bjelke-Petersen Dam *  0.03m rising   03:00 PM SUN 19/12/10
Barambah Ck at Joe Sippel Weir HW * 0.61m steady   12:00 PM SUN 19/12/10
Barambah Ck at Ficks Crossing *     4.6m rising    03:05 PM SUN 19/12/10
Barambah Ck at Stonelands *         5.05m rising   03:00 PM SUN 19/12/10
Burnett R at Mt Lawless *           3.57m steady   03:00 PM SUN 19/12/10
Burnett R at Paradise Dam HW *      68.63m rising  01:35 PM SUN 19/12/10
Burnett R at Walla TM *             7.22m rising   02:52 PM SUN 19/12/10

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 10:35 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is continuing with major flood levels forecast
overnight along the Boyne and Stuart Rivers. Moderate flood levels are likely at
Walla along the lower Burnett River.

STUART/BOYNE RIVERS
Major flood levels are occurring or should be expected overnight at Proston on
the Stuart River and at Carters, Cooranga and Derra along the Boyne River. River
levels of at least 8 metres should be expected at Cooranga and at least 6 metres
at Derra early this week. Minor flood levels are likely at Boondooma Dam.

AUBURN RIVER
Moderate flood levels are expected at Brovinia overnight with further rises
possible this week. Rises to minor levels are expected at Glenwood with moderate
flooding possible this week.

BARKER/BARAMBAH AND BOONARA CREEKS
Rising river levels have been recorded at Brooklands this evening with moderate
flood levels likely and major levels possible overnight. Minor flooding is
forecast for Embreys Bridge and Glenmore during Monday. As Bjelke-Peterson Dam
is now spilling, rising river levels with minor to moderate flooding should be
expected between Ficks Crossing and Silverleaf Weir from this evening onwards.
Renewed rises are expected along Boonara Creek at Ettiewyn with a return to
minor flood levels. Moderate flood levels are a possibility.

DEGILBO CREEK
Major flood levels are occurring along Degilbo Creek.

LOWER BURNETT RIVER
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Minor flood levels are occurring at Fig Tree and moderate flood levels should be expected at Walla overnight. At this stage, river levels at Bundaberg are expected to stay below minor.

Next Issue:
The next warning will be issued by 7am Monday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.01m steady	06:00 PM SUN 19/12/10
Three Moon Ck at Monto *	0.97m rising	08:05 PM SUN 19/12/10
Three Moon Ck at Abercorn *	2.57m steady	08:00 PM SUN 19/12/10
Burnett R at Ceratodus *	2.59m rising	07:00 PM SUN 19/12/10
Nogo R at Wuruma Dam HW *	-14.64m steady	06:00 PM SUN 19/12/10
Burnett R at Marriages *	2.14m rising	07:50 PM SUN 19/12/10
Auburn R at Glenwood *	2.83m rising	08:00 PM SUN 19/12/10
Boyne R at Boondooma Dam *	1.39m rising	06:50 PM SUN 19/12/10
Burnett R at Gayndah Flume *	4.03m rising	08:00 PM SUN 19/12/10
Barker Ck at Bjelke-Petersen Dam *	0.13m steady	06:00 PM SUN 19/12/10
Barambah Ck at Joe Sippel Weir HW *	0.62m steady	06:00 PM SUN 19/12/10
Barambah Ck at Ficks Crossing *	5.33m rising	06:05 PM SUN 19/12/10
Barambah Ck at Stonelands *	5.65m rising	06:05 PM SUN 19/12/10
Burnett R at Mt Lawless *	3.62m rising	08:00 PM SUN 19/12/10
Burnett R at Paradise Dam HW *	68.84m steady	06:00 PM SUN 19/12/10
Burnett R at Walla TM *	7.98m rising	08:54 PM SUN 19/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 6:11 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring along the Stuart and Boyne Rivers with minor flood rising at Boondooma Dam. Minor to moderate flooding is rising in the Auburn River including Cardarga Creek at Brovinia. Minor flooding is rising along Barambah Creek downstream of Bjelke-Peterson Dam which is now spilling. Minor to moderate flooding is rising in the lower Burnett River between Fig Tree and Walla Weir with major flooding rising in Degilbo Creek at Coringa.

STUART/BOYNE RIVERS
Major flood levels are being recorded along the Boyne River at Carters, Cooranga and Derra along the Boyne River. Major flood levels are expected to peak to about 7.2 metres during Monday in the Carters area. River level rises are

nearing a peak in the Stuart River at Weens Bridge with further rises to above the major flood level of 7 metres likely downstream at Proston.

Minor flood levels are being recorded at Boondooma Dam with further rises to above 2 metres likely during Monday. Further rises are forecast for the lower Boyne River with levels of at least 10 metres forecast at Cooranga and 6 metres at Derra during the next few days.

AUBURN RIVER
Moderate flood levels continue to rise in Cardarga Creek at Brovinia with further rises to above the major flood level of 9 metres possible this week. Minor flood levels continue to rise at Glenwood with moderate flooding possible this week.

BARKER/BARAMBAH AND BOONARA CREEKS
Minor flooding is forecast along Barker Creek between Embreys Bridge and Glenmore during Monday. Minor flooding is occurring between Ficks Crossing and Silverleaf Weir as a result of outflows from Bjelke-Peterson Dam. Renewed rises and minor flooding is being recorded along Boonara Creek at Ettiewyn with moderate flood levels possible during Monday.

DEGILBO CREEK
Major flood levels are nearing a peak to about 8 metres along Degilbo Creek at Coringa.

LOWER BURNETT RIVER
Minor to moderate flood levels are rising between Fig Tree and Walla Weir. At this stage, river levels at Bundaberg are expected to remain below minor.

Next Issue:
The next warning will be issued by about 1pm Monday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-10.00m	steady	08:25 PM SUN 19/12/10
Three Moon Ck at Monto *	1.98m	rising	03:00 AM MON 20/12/10
Three Moon Ck at Abercorn *	3.18m	rising	02:40 AM MON 20/12/10
Burnett R at Ceratodus *	2.98m	rising	04:00 AM MON 20/12/10
Nogo R at Wuruma Dam HW *	-14.52m	rising	03:00 AM MON 20/12/10
Burnett R at Marriages *	2.71m	rising	03:05 AM MON 20/12/10
Auburn R at Glenwood *	4.25m	rising	04:30 AM MON 20/12/10
Boyne R at Boondooma Dam *	1.77m	rising	03:00 AM MON 20/12/10
Burnett R at Gayndah Flume *	5.24m	rising	04:00 AM MON 20/12/10
Barker Ck at Bjelke-Petersen Dam *	0.45m	rising	03:00 AM MON 20/12/10
Barambah Ck at Joe Sippel Weir HW *	0.81m	rising	03:00 AM MON 20/12/10
Barambah Ck at Ficks Crossing *	6.41m	falling	03:00 AM MON 20/12/10
Barambah Ck at Stonelands *	6.47m	rising	03:00 AM MON 20/12/10
Burnett R at Mt Lawless *	3.75m	rising	04:00 AM MON 20/12/10
Burnett R at Paradise Dam HW *	68.89m	steady	12:00 AM MON 20/12/10
Burnett R at Walla TM *	8.89m	rising	02:51 AM MON 20/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 12:46 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring along the Stuart and Boyne Rivers. Minor to moderate flooding is rising in the Auburn River. Minor flooding is rising along Barambah Creek downstream of Bjelke-Peterson Dam which is now spilling. Minor to moderate flooding is rising in the lower Burnett River between Fig Tree and Walla Weir.

STUART/BOYNE RIVERS
Major flood levels are being recorded along the Boyne River at Carters, Cooranga and Derra along the Boyne River. Major flood levels are falling in the Carters area. Rises continue at Proston today.

Moderate flood levels are being recorded at Boondooma Dam with further rises to major flood levels likely forecast today. Further significant rises are forecast for the lower Boyne River at Cooranga and Derra above the current major levels.

AUBURN RIVER
Minor flood levels are now falling along Cardarga Creek at Brovinia. Minor flood levels continue to rise at Glenwood. Levels are likely to remain below the moderate flood level of 7 metres.

BARKER/BARAMBAH AND BOONARA CREEKS
Minor to moderate flooding is forecast along Barker Creek between Embreys Bridge and Glenmore during Monday. Minor flooding is occurring at Ficks Crossing and Silverleaf Weir with moderate flood levels forecast for Silverleaf Weir. Renewed rises and minor flooding are being recorded along Boonara Creek at Ettiewyn with moderate flood levels possible during Monday. Minor flood levels are expected downstream at Brian Pastures this week.

LOWER BURNETT RIVER
Minor to moderate flood levels are rising between Fig Tree and Walla Weir. At this stage, river levels at Bundaberg are expected to remain below minor.

Next Issue:
The next warning will be issued by 6pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-9.91m rising	10:20 AM MON 20/12/10
Three Moon Ck at Monto *	3.17m falling	12:00 PM MON 20/12/10
Three Moon Ck at Abercorn *	3.27m rising	11:40 AM MON 20/12/10
Burnett R at Ceratodus *	3.35m rising	11:00 AM MON 20/12/10
Nogo R at Wuruma Dam HW *	-13.02m rising	11:00 AM MON 20/12/10
Burnett R at Marriages *	3.32m rising	11:40 AM MON 20/12/10
Auburn R at Glenwood *	5.09m rising	11:00 AM MON 20/12/10
Boyne R at Boondooma Dam *	2.2m rising	09:00 AM MON 20/12/10
Burnett R at Mundubbera	5.4m rising slowly	06:00 AM MON 20/12/10
Burnett R at Gayndah Flume *	5.81m rising	11:00 AM MON 20/12/10
Barker Ck at Bjelke-Petersen Dam *	0.6m rising	08:50 AM MON 20/12/10
Barambah Ck at Joe Sippel Weir HW *	2.32m rising	09:00 AM MON 20/12/10
Barambah Ck at Ficks Crossing *	6.38m steady	09:05 AM MON 20/12/10
Barambah Ck at Stonelands *	6.62m rising	11:50 AM MON 20/12/10
Burnett R at Mt Lawless *	4.44m rising	11:00 AM MON 20/12/10
Burnett R at Paradise Dam HW *	69.01m rising	11:55 AM MON 20/12/10
Burnett R at Walla TM *	9.05m falling	11:49 AM MON 20/12/10

*automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 6:06 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring along the Stuart and Boyne Rivers. Minor flooding is easing in the Auburn River. Minor flooding is rising along Barambah Creek downstream of Bjelke-Peterson Dam which is now spilling. River level rises are also occurring in the Upper Burnett at Ceratodus.

UPPER BURNETT
River levels are rising at Ceratodus with minor flood levels possible this evening. Rises should also be expected at Eidsvold and Marriages during Tuesday.

STUART/BOYNE RIVERS
Major flood levels are being recorded along the Boyne River at Carters, Cooranga and Derra along the Boyne River. Major flood levels are falling in the Carters area. Rises will continue at Proston overnight.

Moderate flood levels are being recorded at Boondooma Dam with further rises to major flood levels forecast overnight. Further rises will continue along the lower Boyne River at Cooranga and Derra with major flooding continuing into Tuesday.

AUBURN RIVER
Minor flood levels are now falling along Cardarga Creek at Brovinia. Minor flood levels have reached a peak at Glenwood of around 5.1 metres.

BARKER/BARAMBAH AND BOONARA CREEKS
Minor to moderate flooding is forecast to ease along Barker Creek between Embreys Bridge and Glenmore overnight. Minor flooding is occurring at Ficks Crossing and Silverleaf Weir with moderate flood levels forecast for Silverleaf Weir. Minor flood levels are forecast downstream at Brian Pastures this week.

LOWER BURNETT RIVER
Minor to moderate flood levels are rising between Fig Tree and Walla Weir. Forecasts for levels at Bundaberg will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 11am Tuesday.

Latest River Heights:

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Three Moon Ck at Cania Dam HW *     -9.86m rising  04:40 PM MON 20/12/10
Three Moon Ck at Monto *            2.58m falling  05:10 PM MON 20/12/10
Three Moon Ck at Abercorn *         3.87m rising   02:40 PM MON 20/12/10
Burnett R at Ceratodus *            4.32m rising   04:30 PM MON 20/12/10
Nogo R at Wuruma Dam HW *           -11.93m rising 05:00 PM MON 20/12/10
Burnett R at Marriages *            3.25m falling  04:45 PM MON 20/12/10
Auburn R at Glenwood *              5.15m rising   04:10 PM MON 20/12/10
Boyne R at Boondooma Dam *          2.2m rising    09:00 AM MON 20/12/10
Burnett R at Mundubbera             7.15m rising   03:00 PM MON 20/12/10
Burnett R at Gayndah Flume *        6.26m rising   04:00 PM MON 20/12/10
Barker Ck at Bjelke-Petersen Dam *  0.69m rising   02:40 PM MON 20/12/10
Barambah Ck at Joe Sippel Weir HW * 2.51m rising   02:40 PM MON 20/12/10
Barambah Ck at Ficks Crossing *     6.38m steady   09:05 AM MON 20/12/10
Barambah Ck at Stonelands *         6.72m rising   02:55 PM MON 20/12/10
Burnett R at Mt Lawless *           4.78m rising   03:00 PM MON 20/12/10
Burnett R at Paradise Dam HW *      69.06m steady  02:40 PM MON 20/12/10
Burnett R at Walla TM *             8.97m falling  02:52 PM MON 20/12/10

*automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 10:01 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing along the Stuart and Boyne Rivers. Moderate flood
levels are expected along the Auburn River. Minor flooding continues along
Barambah Creek downstream of Bjelke-Peterson Dam. River level rises are also
occurring in the Upper Burnett at Ceratodus with minor flooding.

UPPER BURNETT
River levels are steady at Ceratodus with minor flood levels. Minor flooding is
forecast for Eidsvold and Marriages during Tuesday.

STUART/BOYNE RIVERS
Flood levels are now falling at Carters and Proston. Major flood levels continue
at Dunollie, Cooranga and Derra. A peak has been observed at Cooranga of 10.5
metres and a peak is expected at Derra during today.

AUBURN RIVER
Flood levels have begun rising again at Glenwood overnight with moderate levels
of at least 7.5 metres expected during Tuesday.

BARKER/BARAMBAH AND BOONARA CREEKS
Minor to moderate flooding continues to ease along Barker Creek between Embreys
Bridge and Glenmore. Minor flooding is occurring at Ficks Crossing and
Silverleaf Weir with moderate flood levels expected at Silverleaf Weir. Minor
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flood levels are possible at Brian Pastures this week.

LOWER BURNETT RIVER
River levels will rise along the lower Burnett River between Mundubbera and Bundaberg during this week with minor to moderate flood levels forecast in the next 48 hours. Moderate flood levels will continue at Walla today with further rises to above 9 metres. A Forecast for Bundaberg will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 5pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-9.79m steady	06:00 AM TUE 21/12/10
Three Moon Ck at Monto *	1.5m falling	08:35 AM TUE 21/12/10
Three Moon Ck at Abercorn *	6.29m steady	08:00 AM TUE 21/12/10
Burnett R at Ceratodus *	6.49m falling	08:00 AM TUE 21/12/10
Nogo R at Wuruma Dam HW *	-11.37m steady	06:00 AM TUE 21/12/10
Burnett R at Eidsvold Br	6.2m rising slowly	09:00 AM TUE 21/12/10
Burnett R at Marriages *	3.35m rising	08:40 AM TUE 21/12/10
Auburn R at Glenwood *	6.8m rising	08:20 AM TUE 21/12/10
Boyne R at Boondooma Dam *	2.12m falling	07:50 AM TUE 21/12/10
Burnett R at Mundubbera	9.1m rising slowly	06:00 AM TUE 21/12/10
Burnett R at Gayndah Flume *	8.05m falling	08:00 AM TUE 21/12/10
Barker Ck at Bjelke-Petersen Dam *	0.87m steady	06:00 AM TUE 21/12/10
Barambah Ck at Joe Sippel Weir HW *	2.1m falling	06:40 AM TUE 21/12/10
Barambah Ck at Stonelands *	6.95m steady	08:30 AM TUE 21/12/10
Burnett R at Mt Lawless *	5.36m rising	08:00 AM TUE 21/12/10
Burnett R at Paradise Dam HW *	69.42m steady	08:35 AM TUE 21/12/10
Burnett R at Walla TM *	8.79m rising	08:41 AM TUE 21/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 4:50 PM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing along the Stuart and Boyne Rivers. Moderate flood levels are occurring along the Auburn River. Minor to moderate flooding continues along Barambah Creek downstream of Bjelke-Peterson Dam. River level rises are also occurring in the Upper Burnett at Eidsvold with minor flooding.

UPPER BURNETT
River levels are falling at Ceratodus with minor flooding. Minor flooding is rising at Eidsvold and Marriages. Moderate flood levels are not expected.

STUART/BOYNE RIVERS
Flood levels are now falling at Carters and Proston. Major flood levels continue at Dunollie, Cooranga and Derra. A peak has been observed at Derra of 8.4 metres.

AUBURN RIVER
Flood levels rises continue at Glenwood with a moderate flood peak of around 7.5 metres expected this evening.

BARKER/BARAMBAH AND BOONARA CREEKS
Minor to moderate flooding continues to ease along Barker Creek between Embreys Bridge and Glenmore. Minor flooding is occurring at Ficks Crossing and moderate flood levels are occurring at Silverleaf Weir. Minor flood levels are possible at Brian Pastures this week.

LOWER BURNETT RIVER
River levels will rise along the lower Burnett River between Mundubbera and Bundaberg during this week with minor to moderate flood levels forecast in the next 48 hours. Moderate flood levels will continue at Walla today with further rises to above 9 metres. A Forecast for Bundaberg will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 11am Wednesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-9.76m steady	02:45 PM TUE 21/12/10
Three Moon Ck at Monto *	1.38m falling	04:00 PM TUE 21/12/10
Three Moon Ck at Abercorn *	6.06m falling	02:00 PM TUE 21/12/10
Burnett R at Ceratodus *	6.16m falling	03:00 PM TUE 21/12/10
Nogo R at Wuruma Dam HW *	-11.24m rising	01:50 PM TUE 21/12/10
Burnett R at Eidsvold Br	6.4m rising slowly	03:00 PM TUE 21/12/10
Burnett R at Marriages *	4.4m rising	04:05 PM TUE 21/12/10
Auburn R at Glenwood *	7.39m steady	03:20 PM TUE 21/12/10
Boyne R at Boondooma Dam *	1.78m falling	03:50 PM TUE 21/12/10
Burnett R at Mundubbera	9.46m rising slowly	03:00 PM TUE 21/12/10
Burnett R at Gayndah Flume *	8.4m steady	03:00 PM TUE 21/12/10
Barker Ck at Bjelke-Petersen Dam *	0.98m steady	12:00 PM TUE 21/12/10
Barambah Ck at Joe Sippel Weir HW *	1.47m falling	01:00 PM TUE 21/12/10
Barambah Ck at Ficks Crossing *	7.26m steady	12:00 PM TUE 21/12/10
Barambah Ck at Stonelands *	6.93m steady	02:40 PM TUE 21/12/10
Burnett R at Mt Lawless *	5.62m steady	03:00 PM TUE 21/12/10
Burnett R at Paradise Dam HW *	69.51m rising	02:50 PM TUE 21/12/10
Burnett R at Walla TM *	8.99m rising	02:52 PM TUE 21/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 10:29 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing along the Stuart and Boyne Rivers. Minor flooding continues to ease along the Auburn River, with minor to moderate flooding continuing along Barambah Creek downstream of Bjelke-Peterson Dam. Minor to moderate flooding is occurring along the lower Burnett River with the initial flood peak currently in the Gayndah area.

UPPER BURNETT RIVER:
River levels have eased below minor flood levels between Ceratodus and Eidsvold, with a minor flood peak recorded at Marriages during Wednesday morning.

STUART & BOYNE RIVERS:
Major flooding continues to ease between Cooranga and Derra. Minor flood levels are also easing upstream at Dunollie.

AUBURN RIVER:
Minor flooding continues to ease at Glenwood.

BARKER, BARAMBAH AND BOONARA CREEKS:
River levels have eased below minor flood level on Barker Creek between Embreys Bridge and Glenmore. Minor to moderate flooding is also easing on Barambah Creek between Ficks Crossing and Silverleaf Weir.

LOWER BURNETT RIVER:
Minor flooding has peaked at Mundubbera, with river levels nearing a peak at Gayndah and at Mt Lawless. River level rises are extending downstream along the lower Burnett River causing minor to moderate flood levels between Fig Tree and Walla. At 8.40am Wednesday the river level at Walla was at 9.68 metres and rising. A forecast for Bundaberg will be made once upstream peaks have been observed.

Weather Forecast:
Cloudy with rain areas. Some moderate to heavy falls possible.

Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-9.7m rising	07:35 AM WED 22/12/10
Three Moon Ck at Monto *	1.25m falling	07:40 AM WED 22/12/10
Three Moon Ck at Abercorn *	4.86m falling	08:00 AM WED 22/12/10
Burnett R at Ceratodus *	4.65m falling	08:00 AM WED 22/12/10
Nogo R at Wuruma Dam HW *	-11.12m steady	06:00 AM WED 22/12/10
Burnett R at Eidsvold Br	5.65m falling slowly	06:00 AM WED 22/12/10
Burnett R at Marriages *	5.25m falling	09:00 AM WED 22/12/10
Auburn R at Glenwood *	6.13m falling	08:20 AM WED 22/12/10
Boyne R at Boondooma Dam *	1.18m falling	08:40 AM WED 22/12/10
Burnett R at Mundubbera	9.42m falling slowly	09:00 AM WED 22/12/10
Burnett R at Gayndah Flume *	8.77m falling	08:30 AM WED 22/12/10
Barker Ck at Bjelke-Petersen Dam *	1.05m steady	06:00 AM WED 22/12/10
Barambah Ck at Joe Sippel Weir HW *	0.53m falling	06:40 AM WED 22/12/10
Barambah Ck at Ficks Crossing *	7m steady	06:00 AM WED 22/12/10
Barambah Ck at Stonelands *	7.29m steady	06:50 AM WED 22/12/10
Burnett R at Mt Lawless *	5.76m steady	08:00 AM WED 22/12/10
Burnett R at Paradise Dam HW *	69.7m rising	07:45 AM WED 22/12/10

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Burnett R at Walla TM *             9.68m rising         08:39 AM WED 22/12/10
Burnett R at Bundaberg              NA

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 5:51 PM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Wednesday will result in renewed rises throughout the
Burnett catchment. A peak is expected at Bundaberg with the high tide on Friday
morning although this may change as rainfall continues.

UPPER BURNETT RIVER:
Heavy rainfall today has led to fast rises in the tributaries of the Upper
Burnett. Levels at Ceratodus are rising again with a return to minor flood
levels predicted. Higher levels are possible while rainfall continues.

STUART & BOYNE RIVERS:
Flood levels along the Boyne and Stuart Rivers are already rising again
following rainfall today. A return to moderate or major flood levels is expected
at Carters and Proston. Major flood levels at Cooranga and Derra will rise again
during Thursday.

AUBURN RIVER:
Minor flooding continues to ease at Glenwood although levels will rise again to
at least minor flood level following rainfall today.

BARKER, BARAMBAH AND BOONARA CREEKS:
Renewed rises are expected tonight along Barambah Creek and fast rises are also
expected along Boonara Creek at Ettiewyn. Minor flood levels are expected at
Brian PAstures during Thursday. Higher levels are possible as rainfall
continues. Minor to moderate flood levels continue at Ficks Crossing and
Silverleaf Weir.

LOWER BURNETT RIVER:
Minor to moderate flooding is occurring from Gayndah to Walla. Further rises
will occur following rainfall today. At this stage, a peak at Bundaberg is
expected with the high tide on Friday morning with minor flood levels possible
of over 3.5 metres. This could change as rainfall continues. Burnett Rivers are
likely to be the highest since at least 1996.

Weather Forecast:
Cloudy with rain areas. Some moderate to heavy falls possible.
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Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-9.62m rising	03:55 PM WED 22/12/10
Three Moon Ck at Monto *	2.49m rising	05:15 PM WED 22/12/10
Three Moon Ck at Abercorn *	4.89m rising	02:40 PM WED 22/12/10
Burnett R at Ceratodus *	4.31m rising	04:00 PM WED 22/12/10
Nogo R at Wuruma Dam HW *	-10.96m rising	03:10 PM WED 22/12/10
Burnett R at Eidsvold Br	5.65m falling slowly	06:00 AM WED 22/12/10
Burnett R at Marriages *	4.93m falling	03:55 PM WED 22/12/10
Auburn R at Glenwood *	5.55m steady	04:21 PM WED 22/12/10
Boyne R at Boondooma Dam *	1.08m falling	01:00 PM WED 22/12/10
Burnett R at Mundubbera	9.1m falling slowly	03:00 PM WED 22/12/10
Burnett R at Gayndah Flume *	9.04m rising	04:00 PM WED 22/12/10
BBarker Ck at Bjelke-Petersen Dam *	1.01m falling	12:40 PM WED 22/12/10
Barambah Ck at Joe Sippel Weir HW *	0.53m falling	06:40 AM WED 22/12/10
Barambah Ck at Ficks Crossing *	6.81m falling	01:25 PM WED 22/12/10
Barambah Ck at Stonelands *	7.45m rising	02:50 PM WED 22/12/10
Burnett R at Mt Lawless *	6.2m steady	04:27 PM WED 22/12/10
Burnett R at Paradise Dam HW *	69.86m rising	02:50 PM WED 22/12/10
Burnett R at Walla TM *	10.14m rising	05:13 PM WED 22/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 10:04 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Further heavy rainfall overnight has resulted in renewed rises across the
Burnett catchment during Thursday morning. A minor flood peak is expected at
Bundaberg with the high tide tonight and Friday. Higher river levels are
possible with the high tides during the weekend.

The highest 24 hour rainfall totals recorded to 9am Thursday include Durong
South 102mm, West Barambah 99mm, Proston 98mm, Mt Rawdon 82mm, and generally
between 40-80mm across the Burnett catchment.

UPPER BURNETT RIVER:
Renewed rises are occurring across the tributaries of the Upper Burnett, with
minor to moderate flood levels rising between Abercorn and Marriages. Higher
levels are possible while rainfall continues.

STUART & BOYNE RIVERS:

Renewed rises are occurring along the Boyne and Stuart Rivers with minor flooding rising between Weens Bridge and Dunollie, and a return to moderate or major flood levels expected at Carters and Proston. Major flood levels at Cooranga and Derra are rising again during Thursday morning.

AUBURN RIVER:
Heavy rainfall is being experienced across the Auburn catchment with fast rises and moderate to major flooding expected at Auburn. Rises and minor flooding are rising at Glenwood, whilst fast rises and major flooding continues at Brovinia.

BARKER, BARAMBAH AND BOONARA CREEKS:
Fast rises are expected along Barker, Barambah and Boonara Creeks during Thursday with the continued heavy rainfall. Minor flood levels continue to ease at Ficks Crossing and Silverleaf Weir, with rises and minor flooding expected at Brian Pastures.

LOWER BURNETT RIVER:
Minor to moderate flooding is occurring from Mundubbera to Walla, with further rises expected with the continued heavy rainfall. A minor flood peak is expected with the high tide at Bundaberg during tonight and on Friday, with higher river levels possible with the high tides during the weekend. Burnett Rivers are likely to be the highest since at least 1996.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg	Minor flood peak with the high tide tonight and on Friday, with higher river levels possible with the high tide during the weekend.

Weather Forecast:
Cloudy with patchy rain inland and showers about the coast. Showers developing throughout in the afternoon with possible thunderstorms inland.

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-9.22m rising	07:50 AM THU 23/12/10
Three Moon Ck at Monto *	4.34m falling	08:45 AM THU 23/12/10
Three Moon Ck at Abercorn *	6.35m rising	08:30 AM THU 23/12/10
Burnett R at Ceratodus *	7.78m falling	08:00 AM THU 23/12/10
Nogo R at Wuruma Dam HW *	-8.16m rising	07:20 AM THU 23/12/10
Burnett R at Marriages *	5.15m rising	08:35 AM THU 23/12/10
Auburn R at Glenwood *	6.46m rising	07:30 AM THU 23/12/10
Boyne R at Boondooma Dam *	1.56m rising	08:00 AM THU 23/12/10
Burnett R at Mundubbera	8.53m rising slowly	09:00 AM THU 23/12/10
Burnett R at Gayndah Flume *	8.85m falling	08:10 AM THU 23/12/10
Barker Ck at Bjelke-Petersen Dam *	0.87m steady	06:00 AM THU 23/12/10
Barambah Ck at Joe Sippel Weir HW *	0.32m steady	06:00 AM THU 23/12/10
Barambah Ck at Ficks Crossing *	6.4m falling	06:25 AM THU 23/12/10
Barambah Ck at Stonelands *	7.7m rising	08:25 AM THU 23/12/10
Burnett R at Mt Lawless *	6.8m steady	07:17 AM THU 23/12/10
Burnett R at Paradise Dam HW *	70.24m rising	08:15 AM THU 23/12/10
Burnett R at Walla TM *	11.84m rising	08:39 AM THU 23/12/10
Burnett R at Bundaberg	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 3:18 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Very fast rises are occurring in the Upper Burnett, Boyne and Auburn River catchments this afternoon. Successive minor flood peaks are expected at Bundaberg with the high tide over the weekend. The highest peak is now expected on Sunday.

The highest 24 hour rainfall totals recorded to 9am Thursday include Durong South 102mm, West Barambah 99mm, Proston 98mm, Mt Rawdon 82mm, and generally between 40-80mm across the Burnett catchment.

UPPER BURNETT RIVER:
Rainfall overnight has caused renewed rises along the upper Burnett River. Major flood levels of 8.5 metres are possible at Ceratodus. Moderate flood levels are expected at Eidsvold and Marriages. Further predictions will be made once a peak has been observed at ceratodus.

STUART & BOYNE RIVERS:
Renewed rises are occurring along the Boyne and Stuart Rivers. MAjor flood levels of around 9 metres are expected at Proston and at least 8 metres at Carters. A return to high level major flooding is forecast for downstream areas to Derra in the next 24 hours.

AUBURN RIVER:
Major flood levels are expected this afternoon along the Auburn River. Flood levels at Glenwood are expected to reach in excess of 11 metres. Major flood levels are occurring at Brovinia.

BARKER, BARAMBAH AND BOONARA CREEKS:
Fast rises are expected along Barker, Barambah and Boonara Creeks during Thursday with the continued heavy rainfall. Minor flood levels continue at Ficks Crossing and Silverleaf Weir, with minor flooding expected at Brian Pastures.

LOWER BURNETT RIVER:
Moderate to major flood levels are expected along the lower Burnett River from from Mundubbera to Walla. Flood levels of at least 10.5 metres at Gayndah are forecast for Saturday. Major flood levels are predicted for Mt Lawless, Fig Tree, Paradise Dam and Walla over the weekend.

A minor flood peak is expected with the high tide at Bundaberg during tonight and on Friday, with higher river levels with the high tides during the weekend. The Burnett River at Bundaberg is likely to be the highest since 1971.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg Minor flood peaks with the high tide tonight through the weekend. The highest levels are now expected on Sunday

Next Issue:
The next warning will be issued at about 8pm Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-8.96m rising	02:10 PM THU 23/12/10
Three Moon Ck at Monto *	3.86m falling	02:05 PM THU 23/12/10
Three Moon Ck at Abercorn *	6.62m rising	02:40 PM THU 23/12/10
Burnett R at Ceratodus *	8.07m rising	01:30 PM THU 23/12/10
Nogo R at Wuruma Dam HW *	-7.68m rising	01:30 PM THU 23/12/10
Burnett R at Marriages *	6.28m rising	02:05 PM THU 23/12/10
Auburn R at Glenwood *	10.07m rising	02:40 PM THU 23/12/10
Boyne R at Boondooma Dam *	2.05m rising	02:00 PM THU 23/12/10
Burnett R at Mundubbera	8.53m rising slowly	09:00 AM THU 23/12/10
Burnett R at Gayndah Flume *	8.68m rising	02:00 PM THU 23/12/10
Barker Ck at Bjelke-Petersen Dam *	0.83m steady	12:00 PM THU 23/12/10
Barambah Ck at Joe Sippel Weir HW *	0.32m steady	12:00 PM THU 23/12/10
Barambah Ck at Ficks Crossing *	6.76m rising	12:40 PM THU 23/12/10
Barambah Ck at Stonelands *	7.97m rising	12:35 PM THU 23/12/10
Burnett R at Mt Lawless *	6.44m falling	02:00 PM THU 23/12/10
Burnett R at Paradise Dam HW *	70.24m steady	12:00 PM THU 23/12/10
Burnett R at Walla TM *	11.86m steady	02:52 PM THU 23/12/10
Burnett R at Bundaberg	3.15m rising slowly	11:00 AM THU 23/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 7:48 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises are continuing in the Upper Burnett catchment this evening. Successive minor flood peaks are expected at Bundaberg with the high tide over the weekend and into next week. The highest peaks are now expected on Sunday and Monday.

UPPER BURNETT RIVER:
Major flood levels are rising at Ceratodus. Moderate flood levels are expected at Eidsvold and are rising fast at Marriages. Further predictions will be made once a peak has been observed at Ceratodus.

STUART & BOYNE RIVERS:
Renewed rises are occurring along the Boyne and Stuart Rivers. Major flood levels of have peaked at Carters and Proston. A return to high level major

flooding is forecast for downstream areas to Derra in the next 24 hours.

AUBURN RIVER:
Major flood levels are have peaked at Glenwood at around 10.4 metres. Major flood levels are easing at Brovinia.

BARKER, BARAMBAH AND BOONARA CREEKS:
Fast rises are expected along Barker, Barambah and Boonara Creeks during Thursday with the continued heavy rainfall. Minor flood levels continue at Ficks Crossing and Silverleaf Weir, with minor flooding expected at Brian Pastures.

LOWER BURNETT RIVER:
Moderate to major flood levels are expected along the lower Burnett River from from Mundubbera to Walla. Flood levels of at least 10.5 metres at Gayndah are forecast for Saturday. Major flood levels are predicted for Mt Lawless, Fig Tree, Paradise Dam and Walla over the weekend.

A minor flood peak is expected with the high tide at Bundaberg during tonight and on Friday, with higher river levels with the high tides during the weekend. The Burnett River at Bundaberg is likely to be the highest since 1971.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg Minor flood peaks with the high tide tonight through the weekend. The highest levels are now expected on Sunday

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-8.79m rising	06:00 PM THU 23/12/10
Three Moon Ck at Monto *	3.49m falling	06:00 PM THU 23/12/10
Three Moon Ck at Abercorn *	6.59m falling	05:00 PM THU 23/12/10
Burnett R at Ceratodus *	8.50m rising	07:45 PM THU 23/12/10
Nogo R at Wuruma Dam HW *	-7.55m rising	04:10 PM THU 23/12/10
Burnett R at Marriages *	7.59m rising	06:05 PM THU 23/12/10
Auburn R at Glenwood *	10.4m falling	06:30 PM THU 23/12/10
Boyne R at Boondooma Dam *	2.49m rising	06:00 PM THU 23/12/10
Burnett R at Mundubbera	9.4m rising fast	03:00 PM THU 23/12/10
Burnett R at Gayndah Flume *	8.99m steady	06:20 PM THU 23/12/10
Barker Ck at Bjelke-Petersen Dam *	0.82m falling	01:10 PM THU 23/12/10
Barambah Ck at Joe Sippel Weir HW *	0.33m rising	02:30 PM THU 23/12/10
Barambah Ck at Ficks Crossing *	6.92m falling	05:05 PM THU 23/12/10
Barambah Ck at Stonelands *	7.87m falling	05:25 PM THU 23/12/10
Burnett R at Mt Lawless *	6.36m steady	06:00 PM THU 23/12/10
Burnett R at Paradise Dam HW *	70.2m falling	05:35 PM THU 23/12/10
Burnett R at Walla TM *	11.79m falling	05:52 PM THU 23/12/10
Burnett R at Bundaberg	3.05m falling slowly	03:00 PM THU 23/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 7:57 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues across the Upper Burnett catchment during Friday. Successive minor flood peaks are expected at Bundaberg with the high tides during today and over the weekend, where the highest peaks are expected to occur on Sunday and Monday.

UPPER BURNETT RIVER:
Moderate flooding is easing between Abercorn and Eidsvold, with a moderate flood peak currently in the Marriages area during Friday morning.

STUART & BOYNE RIVERS:
Major flood levels are easing at Carters and Proston, and nearing a peak at Boondooma Dam. Major flooding continues to rise downstream through to Derra.

AUBURN RIVER:
Minor flooding continues to ease at Glenwood and at Brovinia, where a major flood peak to 11.47 metres was recorded at 5pm Thursday.

BARKER, BARAMBAH AND BOONARA CREEKS:
Moderate flooding is easing along Barker Creek. Minor flood levels continue to ease along Barambah Creek between Ficks Crossing and Silverleaf Weir, with creek levels easing below minor at Brian Pastures.

LOWER BURNETT RIVER:
Moderate flood levels are rising along the Burnett River. At 6am Friday the river level at Mundubbera was 13.85 metres and rising, with river levels at Gayndah currently at about 11 metres and rising. Moderate to major flooding is expected to extend downstream along the lower Burnett River to Walla going into the weekend.

A minor flood peak is expected at Bundaberg with the high tide at about 11am Friday, with higher river levels possible with the high tides during the weekend. The Burnett River at Bundaberg is likely to be the highest since 1971.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg	Minor flood peaks with the high tide at about 11am Friday and through the weekend. The highest levels are now expected on Sunday.

Weather Forecast:
Scattered showers increasing to rain areas during the afternoon and evening. Possible moderate to heavy falls developing.

Next Issue:
The next warning will be issued at about 1pm Friday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-8.47m	steady	04:40 AM FRI 24/12/10
Three Moon Ck at Monto *	3.57m	falling	06:00 AM FRI 24/12/10

Three Moon Ck at Abercorn *	6.59m	falling	05:00 PM THU 23/12/10
Burnett R at Ceratodus *	8.04m	falling	05:00 AM FRI 24/12/10
Nogo R at Wuruma Dam HW *	-7m	rising	04:20 AM FRI 24/12/10
Burnett R at Eidsvold Br	NA		
Burnett R at Marriages *	9.4m	steady	05:35 AM FRI 24/12/10
Auburn R at Glenwood *	6.84m	falling	05:20 AM FRI 24/12/10
Boyne R at Boondooma Dam *	3.11m	rising	04:40 AM FRI 24/12/10
Burnett R at Mundubbera	13.85m	rising	06:00 AM FRI 24/12/10
Burnett R at Gayndah Flume *	11.54m	rising	05:40 AM FRI 24/12/10
Burnett R at Gayndah	NA		
Barker Ck at Bjelke-Petersen Dam *	0.79m	steady	06:00 PM THU 23/12/10
Barambah Ck at Joe Sippel Weir HW *	0.33m	rising	02:30 PM THU 23/12/10
Barambah Ck at Ficks Crossing *	6.27m	falling	12:30 AM FRI 24/12/10
Barambah Ck at Stonelands *	7.58m	rising	05:40 AM FRI 24/12/10
Barambah Ck at Ban Ban *	NA		
Burnett R at Mt Lawless *	7.86m	rising	05:30 AM FRI 24/12/10
Burnett R at Paradise Dam HW *	70.22m	rising	05:45 AM FRI 24/12/10
Burnett R at Walla TM *	11.31m	falling	05:51 AM FRI 24/12/10
Burnett R at Bundaberg	3.2m	steady	06:00 AM FRI 24/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 11:58 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues across the Upper Burnett catchment during Friday.
Successive minor flood peaks are expected at Bundaberg with the high tides
during today and over the weekend, where the highest peaks are expected to occur
on Sunday and Monday.

UPPER BURNETT RIVER:
Moderate flooding is easing between Abercorn and Eidsvold, with a moderate flood
peak now downstream of the Marriages area.

STUART & BOYNE RIVERS:
Major flood levels are easing at Carters and Proston, and nearing a peak at
Boondooma Dam. Major flooding continues to rise downstream through to Derra.

AUBURN RIVER:
Minor flooding continues to ease at Glenwood and at Brovinia, where a major
flood peak of 11.47 metres was recorded at 5pm Thursday.

BARKER, BARAMBAH AND BOONARA CREEKS:
Moderate flooding is easing along Barker Creek. Minor flood levels continue to
ease along Barambah Creek between Ficks Crossing and Silverleaf Weir, with creek

levels easing below minor at Brian Pastures.

LOWER BURNETT RIVER:
Moderate flood levels are rising along the Burnett River. At noon Friday the river level at Mundubbera was 13.85 metres and steady, with river levels at Gayndah currently at about 12 metres and rising. Moderate to major flooding is expected to extend downstream along the lower Burnett River to Walla going into the weekend.

Minor flood peaks are expected at Bundaberg during Sunday and Monday of around 4 metres. The Burnett River at Bundaberg is likely to be the highest since 1971.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg: Minor flood peaks with the high tides through the weekend. The highest levels are now expected on Sunday and Monday of around 4 metres.

Weather Forecast:
Scattered showers increasing to rain areas during the afternoon and evening. Possible moderate to heavy falls developing.

Next Issue:
The next warning will be issued at about 11:30am Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-8.37m steady	10:25 AM FRI 24/12/10
Three Moon Ck at Monto *	2.94m falling	11:05 AM FRI 24/12/10
Three Moon Ck at Abercorn *	6.59m falling	05:00 PM THU 23/12/10
Burnett R at Ceratodus *	7.25m falling	10:00 AM FRI 24/12/10
Nogo R at Wuruma Dam HW *	-6.82m rising	10:50 AM FRI 24/12/10
Burnett R at Marriages *	9.26m falling	11:05 AM FRI 24/12/10
Auburn R at Glenwood *	5.6m falling	10:30 AM FRI 24/12/10
Boyne R at Boondooma Dam *	3.07m falling	10:50 AM FRI 24/12/10
Burnett R at Mundubbera	13.7m falling slowly	09:00 AM FRI 24/12/10
Burnett R at Gayndah Flume *	12.13m rising	10:20 AM FRI 24/12/10
Barker Ck at Bjelke-Petersen Dam *	0.67m falling	10:40 AM FRI 24/12/10
Barambah Ck at Joe Sippel Weir HW *	0.31m steady	06:00 AM FRI 24/12/10
Barambah Ck at Ficks Crossing *	5.9m falling	06:25 AM FRI 24/12/10
Barambah Ck at Stonelands *	7.59m steady	06:00 AM FRI 24/12/10
Burnett R at Mt Lawless *	8.59m rising	10:00 AM FRI 24/12/10
Burnett R at Paradise Dam HW *	70.36m rising	08:45 AM FRI 24/12/10
Burnett R at Walla TM *	11.5m rising	11:47 AM FRI 24/12/10
Burnett R at Bundaberg	3.45m rising slowly	11:00 AM FRI 24/12/10

*automatic station

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 8:55 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Further heavy rainfall has been recorded overnight in the upper Burnett and Auburn catchments. A major flood peak is currently in the Paradise Dam area. Successive minor flood peaks are expected at Bundaberg with the high tides during today and tomorrow, where the highest peaks are expected to occur on Sunday.

UPPER BURNETT RIVER:
Further rises are expected at Ceratodus down to Marriages. Flood levels of around 8 metres are forecast at Ceratodus. Moderate flood levels are forecast at Eidsvold during Sunday.

STUART & BOYNE RIVERS:
Major flood levels are easing at Proston. Major flooding continues at Derra where levels will fall through today. Any further rises will depend on more rainfall.

AUBURN RIVER:
Renewed rises are occurring at Glenwood and Brovinia following rainfall yesterday evening. Flood levels are expected to peak below major levels at Glenwood. A peak between 9 and 10 metres is forecast.

BARKER, BARAMBAH AND BOONARA CREEKS:
Flood levels are rising once again at Glenmore with a peak expected this morning. Elsewhere, creek levels are now below minor.

LOWER BURNETT RIVER:
A major flood peak is in the Paradise Dam area. Flood levels at Mundubbera and Gayndah are expected to fall although there will be smaller renewed rises following recent rainfall. Major flood levels will continue at Walla today with further rises possible to 13 metres.

Minor flood peaks are expected at Bundaberg during Sunday and Monday of around 4 metres, possibly to 4.5 metres on the high tide. The Burnett River at Bundaberg is likely to be the highest since 1971.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg: Minor flood peaks with the high tides through the weekend. The highest levels are now expected on Sunday and Monday of around 4 to 4.5 metres.

Next Issue:
The next warning will be issued by 11:30am Sunday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-8.09m rising	07:00 AM SAT 25/12/10
Three Moon Ck at Monto *	5.11m steady	06:00 AM SAT 25/12/10
Burnett R at Ceratodus *	5.34m falling	06:00 AM SAT 25/12/10
Nogo R at Wuruma Dam HW *	-5.43m rising	06:50 AM SAT 25/12/10
Burnett R at Marriages *	7.07m falling	07:05 AM SAT 25/12/10
Auburn R at Glenwood *	8.41m rising	06:10 AM SAT 25/12/10
Boyne R at Boondooma Dam *	1.87m falling	07:00 AM SAT 25/12/10
Burnett R at Mundubbera	11.44m falling	06:00 AM SAT 25/12/10
Burnett R at Gayndah Flume *	10.62m rising	06:30 AM SAT 25/12/10
Barker Ck at Bjelke-Petersen Dam *	0.63m steady	06:00 AM SAT 25/12/10

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Barambah Ck at Joe Sippel Weir HW * 0.27m steady       06:00 AM SAT 25/12/10
Barambah Ck at Ficks Crossing *     5.01m steady       06:20 AM SAT 25/12/10
Barambah Ck at Stonelands *         6.55m falling      06:15 AM SAT 25/12/10
Burnett R at Mt Lawless *           7.68m falling      06:00 AM SAT 25/12/10
Burnett R at Paradise Dam HW *      70.81m steady      05:40 AM SAT 25/12/10
Burnett R at Walla TM *             12.39m falling     05:51 AM SAT 25/12/10
Burnett R at Bundaberg              3.5m rising slowly 06:00 AM SAT 25/12/10

*automatic station


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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 10:12 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are easing in the Stuart and Boyne Rivers and in the lower
Burnett River at Walla Weir with minor to moderate flood levels elsewhere.
Successive minor flood peaks are expected at Bundaberg with the high tides
during Sunday and Monday, with the highest peaks expected to occur on Sunday.

Further moderate to heavy rainfall is forecast for the area which may produce
renewed rises and higher flood levels.

UPPER BURNETT RIVER:
Further rises are expected at Ceratodus down to Marriages. Flood levels of
around 8 metres are possible at Ceratodus. Moderate flood levels are forecast at
Eidsvold during Monday.

STUART & BOYNE RIVERS:
Major flood levels are easing between Cooranga and Derra. Renewed rises are
being recorded in the Proston area with minor flooding likely during Sunday.

AUBURN RIVER:
Moderate flood levels at Glenwood continue to slowly rise.

BARKER CREEK:
Moderate flood levels are easing at Glenmore with creek levels elsewhere
remaining below minor flood level.

LOWER BURNETT RIVER:
Flood levels between Mundubbera and Walla are expected to continue falling
although there will be smaller renewed rises following recent rainfall.

Minor flood peaks are expected at Bundaberg during Sunday and Monday of around 4
metres on the high tide. The Burnett River at Bundaberg is likely to be the
highest since 1971.
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Predicted River Heights/Flows:
Burnett River at:

Bundaberg: Minor flood peaks around 4 metres on the high tide during Sunday and Monday.

Next Issue:
The next warning will be issued by 11:30am Monday or earlier if necessary.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-6.97m	rising	08:10 AM SUN 26/12/10
Three Moon Ck at Monto *	5.03m	rising	08:40 AM SUN 26/12/10
Burnett R at Ceratodus *	7.07m	steady	08:00 AM SUN 26/12/10
Nogo R at Wuruma Dam HW *	-4.03m	rising	07:00 AM SUN 26/12/10
Burnett R at Marriages *	5.61m	rising	08:40 AM SUN 26/12/10
Auburn R at Glenwood *	7.92m	steady	08:28 AM SUN 26/12/10
Boyne R at Boondooma Dam *	1.15m	falling	07:50 AM SUN 26/12/10
Burnett R at Mundubbera	10.12m	falling	06:00 AM SUN 26/12/10
Burnett R at Gayndah Flume *	9.34m	falling	08:30 AM SUN 26/12/10
Barker Ck at Bjelke-Petersen Dam *	0.81m	steady	06:00 AM SUN 26/12/10
Barambah Ck at Joe Sippel Weir HW *	0.23m	steady	06:00 AM SUN 26/12/10
Barambah Ck at Ficks Crossing *	5.52m	steady	06:00 AM SUN 26/12/10
Barambah Ck at Stonelands *	5.65m	steady	06:00 AM SUN 26/12/10
Burnett R at Mt Lawless *	6.51m	rising	08:00 AM SUN 26/12/10
Burnett R at Paradise Dam HW *	70.38m	steady	11:25 PM SAT 25/12/10
Burnett R at Walla TM *	11.86m	falling	08:41 AM SUN 26/12/10
Burnett R at Bundaberg	4.10m	rising	09:00 AM SUN 26/12/10

* from automatic station

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT CATCHMENT
Issued at 11:07 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Renewed river rises are occurring across the upper Burnett catchment, with major flooding occurring in the Upper Burnett, Stuart and Boyne Rivers and Barker Creek, and in the lower Burnett River at Walla Weir with minor to moderate flood levels elsewhere. Minor flood levels generally remain steady at Bundaberg with river levels to remain high during Sunday Monday.

Widespread daily rainfall totals to 9am Monday of 30-60mm have been recorded across the Burnett catchment, with 93mm recorded at Bungadoo near Bundaberg. Further moderate to heavy rainfall is forecast for the area which may produce further rises and higher flood levels.

UPPER BURNETT RIVER:
River rises are major flooding is occurring at Ceratodus, where at 8am the river was at 10.5 metres and rising. Rises and moderate flooding are occurring downstream to Marriages, with major flood levels possible.

STUART & BOYNE RIVERS:
Moderate and major flood levels continue to rise at Proston and Carters respectively, with major flooding rising between Cooranga and Derra.

AUBURN RIVER:
Moderate flooding is rising at Glenwood with major flooding expected at Brovinia during today.

BARKER CREEK:
Major flooding is rising at Glenmore, with minor to moderate rises downstream at Silverleaf and minor flooding possible at Brian Pastures.

LOWER BURNETT RIVER:
Renewed rises and moderate flooding is rising between Mundubbera and Mt Lawless, with major flooding occurring at Walla with further rises expected during this week.

Minor flooding remains steady at Bundaberg with river levels expected to remain high until Tuesday.

Predicted River Heights/Flows:
Burnett River at:

Bundaberg Minor flood levels to remain high during Monday.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued by 11:30am Tuesday, or earlier if necessary.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-4.12m rising	08:35 AM MON 27/12/10
Three Moon Ck at Monto *	5.45m rising	08:35 AM MON 27/12/10
Burnett R at Ceratodus *	10.47m rising	08:00 AM MON 27/12/10
Nogo R at Wuruma Dam HW *	0.02m rising	08:10 AM MON 27/12/10
Burnett R at Eidsvold Br	NA	
Burnett R at Marriages *	9.21m rising	09:05 AM MON 27/12/10
Auburn R at Glenwood *	8.25m steady	09:26 AM MON 27/12/10
Boyne R at Boondooma Dam *	1.72m rising	09:00 AM MON 27/12/10
Burnett R at Mundubbera	11.2m rising	09:00 AM MON 27/12/10
Burnett R at Gayndah Flume *	9.98m falling	09:20 AM MON 27/12/10
Burnett R at Gayndah	NA	
Barker Ck at Bjelke-Petersen Dam *	0.91m steady	08:40 AM MON 27/12/10
Barambah Ck at Joe Sippel Weir HW *	0.78m rising	08:50 AM MON 27/12/10
Barambah Ck at Ficks Crossing *	6.7m rising	09:25 AM MON 27/12/10
Barambah Ck at Stonelands *	6.63m rising	08:40 AM MON 27/12/10
Burnett R at Mt Lawless *	7.13m steady	09:26 AM MON 27/12/10
Burnett R at Walla TM *	12.42m rising	05:51 PM SUN 26/12/10
Burnett R at Bundaberg	4.4m falling slowly	09:00 AM MON 27/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 11:37 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Very high flows are arriving in the Munduberra area tonight from the upper Burnett, Auburn and Boyne River systems. At 9pm, Mundubbera was 16 metres and continuing to rise quickly. Flood levels in the Mundubbera and Gayndah area are likely to be similar to or exceed the 1971 flood levels. Major flood peaks are expected in this area during Tuesday.

Fast river rises and major flooding will extend along the Burnett River to the Bundaberg area during the next 2 days. Significant river rises are expected to re-commence at Bundaberg on Tuesday. A moderate to major flood peak is expected to reach the Bundaberg area on late Wednesday and Thursday.

UPPER BURNETT RIVER:
River rises have reached major flood levels in the Eidsvold area and upstream.

AUBURN, STUART & BOYNE RIVERS:
Rising river levels and major flooding is occurring in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BURNETT RIVER:
Very high flows are arriving in the Munduberra area tonight from the upper Burnett, Auburn and Boyne River systems. At 9pm, Mundubbera was 16 metres and continuing to rise quickly. Flood levels in the Mundubbera and Gayndah area are likely to be similar to or exceed the 1971 flood levels. Major flood peaks are expected in this area during Tuesday.

Fast river rises and major flooding will extend along the Burnett River to the Bundaberg area during the next 2 days. Significant river rises are expected to re-commence at Bundaberg on Tuesday. A moderate to major flood peak is expected to reach the Bundaberg area on late Wednesday and Thursday.

Predicted River Heights/Flows:
Mundubbera exceed major flood level of 18 metres during Tuesday

Gayndah possibly exceed major flood level of 15 metres during Tuesday

Bundaberg exceed moderate flood level of 5.5 metres during Wednesday. Further rises.

Peak prediction for Bundaberg will be given when upstream peaks are recorded.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Three Moon Ck at Monto *	5.35m rising	09:30 PM MON 27/12/10
Burnett R at Ceratodus *	12.36m rising	08:00 PM MON 27/12/10
Nogo R at Wuruma Dam HW *	2.49m rising	10:00 PM MON 27/12/10
Burnett R at Marriages *	13.16m rising	09:15 PM MON 27/12/10
Auburn R at Glenwood *	8.71m falling	09:30 PM MON 27/12/10
Boyne R at Boondooma Dam *	3.25m rising	10:00 PM MON 27/12/10
Burnett R at Mundubbera	16m rising fast	09:00 PM MON 27/12/10
Burnett R at Gayndah Flume *	13.23m rising	09:00 PM MON 27/12/10
Barker Ck at Bjelke-Petersen Dam *	1.32m rising	09:00 PM MON 27/12/10
Barambah Ck at Joe Sippel Weir HW *	2.04m rising	09:00 PM MON 27/12/10
Barambah Ck at Ficks Crossing *	7.69m rising	04:45 PM MON 27/12/10
Barambah Ck at Stonelands *	8.4m steady	08:25 PM MON 27/12/10
Burnett R at Mt Lawless *	11.04m rising	09:20 PM MON 27/12/10
Burnett R at Bundaberg	4.35m falling slowly	03:00 PM MON 27/12/10

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 8:00 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and high flows from the upper Burnett, Auburn and Boyne River systems are causing major flooding in the Munduberra and Gayndah areas, where river levels have already exceeded the 1954 flood. Major flood peaks are expected in these areas during Tuesday.

Fast river rises and major flooding will extend along the Burnett River to the Bundaberg area during the next 2 days. Significant river rises are expected to re-commence at Bundaberg during Tuesday, where a moderate to major flood peak is expected to reach the Bundaberg area on late Wednesday and Thursday.

UPPER BURNETT RIVER:
Major flooding extends along the upper Burnett River between Monto and the Eidsvold area and Marriages.

AUBURN, STUART & BOYNE RIVERS:
Major flooding is occurring in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BURNETT RIVER:
Major flooding continues to rise in the Munduberra and Gayndah areas, where river levels have already exceeded the 1954 flood levels of 18.29 metres and 14.38 metres respectively. Major flood peaks are expected in this area during Tuesday.

Fast river rises and major flooding is occurring along the lower Burnett River through to the Walla area, where flood levels similar to the 1971 flood can be expected. Rises and minor flooding is rising steadily at Bundaberg, with fast rises and moderate flooding expected to develop during Wednesday with major flood levels possible during Thursday.

Predicted River Heights/Flows:
Mundubbera Exceed 19 metres during Tuesday.
Major peak around 20 metres possible during Wednesday.

Gayndah Flume Major flood level of 15 metres during Tuesday.
Exceed 16 metres overnight Tuesday.

Bundaberg Exceed moderate flood level (5.5 metres) during Wednesday.
Further rises and major flood levels possible during Thursday.

Peak prediction for Bundaberg will be given when upstream peaks are recorded.

Weather Forecast:
Further rain periods, easing this afternoon. Moderate to heavy falls.

Next Issue:
The next warning will be issued at about midday Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-27.29m rising	06:10 AM TUE 28/12/10
Three Moon Ck at Monto *	5.83m steady	06:00 AM TUE 28/12/10
Burnett R at Ceratodus *	13.16m steady	05:00 AM TUE 28/12/10
Nogo R at Wuruma Dam HW *	3.36m falling	06:20 AM TUE 28/12/10
Burnett R at Eidsvold Br	NA	
Burnett R at Marriages *	13.59m falling	06:00 AM TUE 28/12/10
Auburn R at Glenwood *	8.75m steady	09:20 PM MON 27/12/10
Boyne R at Boondooma Dam *	3.45m steady	06:00 AM TUE 28/12/10
Burnett R at Mundubbera	18.65m rising	06:00 AM TUE 28/12/10
Burnett R at Gayndah Flume *	15.66m rising	05:40 AM TUE 28/12/10
Barker Ck at Bjelke-Petersen Dam *	1.57m steady	06:00 AM TUE 28/12/10
Barambah Ck at Joe Sippel Weir HW *	2.7m steady	06:00 AM TUE 28/12/10
Barambah Ck at Ficks Crossing *	8.19m rising	06:15 AM TUE 28/12/10
Barambah Ck at Stonelands *	8.65m rising	06:10 AM TUE 28/12/10
Burnett R at Mt Lawless *	12.96m falling	05:46 AM TUE 28/12/10
Burnett R at Walla TM *	NA	
Burnett R at Bundaberg	4.7m rising slowly	06:00 AM TUE 28/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 12:35 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and high flows from the upper Burnett, Auburn and Boyne River systems are causing major flooding in the Munduberra and Gayndah areas, where river levels have already exceeded the 1954 flood. Major flood peaks are expected in the Mundubbera, Gayndah to Mt Lawless areas below the Barambah Creek junction today during Tuesday or overnight tonight.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 to 36 hours. Fast river rises have commenced at Bundaberg this morning. Bundaberg is expected to reach about the major flood level of 7 metres by Wednesday afternoon, and remain high during Thursday.

UPPER BURNETT RIVER:
Major flooding is currently (at midday Tuesday) peaking in the Ceratodus to Eidsvold area.

AUBURN, STUART & BOYNE RIVERS:
Major flooding is occurring in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Moderate to major flooding continues throughout the Barambah Creek and Barker Creek system.

BURNETT RIVER:
Major flood peaks are expected in the Mundubbera, Gayndah to Mt Lawless areas below the Barambah Creek junction today during Tuesday. Flood levels at Mundubbera and Gayndah are the highest since 1942, and higher than the 1954 and 1971 floods.

Fast river rises and major flooding are expected to continue along the lower Burnett River from Mt Lawless to the Walla and Bundaberg area, where flood levels higher than the 1971 flood are expected by Wednesday afternoon. River levels will remain high at Bundaberg during Thursday.

Predicted River Heights/Flows:
Mundubbera Major flood peak between 19 and 20 metres during Tuesday or overnight.

Gayndah Major flood peak of about 16 metres during Tuesday or overnight.

Bundaberg Reach about the major flood level of 7 metres by Wednesday afternoon.
Remain high during Thursday.

Peak prediction for Bundaberg will be updated as upstream peaks are recorded.

Next Issue:
The next warning will be issued at about 4pm Tuesday.

Latest River Heights:

Three Moon Ck at Monto *	5.84m	falling	10:35 AM TUE 28/12/10
Burnett R at Ceratodus *	12.86m	falling	10:00 AM TUE 28/12/10
Nogo R at Wuruma Dam HW *	3.15m	falling	10:00 AM TUE 28/12/10
Burnett R at Marriages *	12.99m	rising	11:05 AM TUE 28/12/10
Boyne R at Boondooma Dam *	3.28m	falling	11:00 AM TUE 28/12/10
Burnett R at Mundubbera	18.82m	rising	09:00 AM TUE 28/12/10

Burnett R at Gayndah	15.5m rising	10:00 AM TUE 28/12/10
Barker Ck at Bjelke-Petersen Dam *	1.65m rising	08:30 AM TUE 28/12/10
Barambah Ck at Ficks Crossing *	8.19m rising	06:15 AM TUE 28/12/10
Barambah Ck at Stonelands *	8.84m rising	08:40 AM TUE 28/12/10
Burnett R at Mt Lawless *	13.24m rising	11:40 AM TUE 28/12/10
Burnett R at Bundaberg	5.1m rising	09:00 AM TUE 28/12/10

See Bureau website for all latest river heights.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 5:07 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and high flows from the upper Burnett, Auburn and Boyne River systems are causing major flooding in the Munduberra and Gayndah areas, where river levels have already exceeded the 1954 flood. Major flood peaks are expected in the Mundubbera, Gayndah to Mt Lawless areas below the Barambah Creek junction today during Tuesday or overnight tonight.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 to 36 hours. Very fast river rises have been recorded at Bundaberg today as high local inflows arrive. With the higher than expected local inflows and upstream flows, Bundaberg is expected to exceed the major flood level of 7 metres overnight tonight, and reach about 7.5 metres on Wednesday. Major flood levels will be maintained at high levels until at least Thursday night as upstream floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding peaked in the Eidsvold area around 11am Tuesday and is falling slowly.

AUBURN, STUART & BOYNE RIVERS:
Major flooding is continuing in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Moderate to major flooding continues throughout the Barambah Creek and Barker Creek system.

BURNETT RIVER:
Major flood peaks are expected in the Mundubbera, Gayndah to Mt Lawless areas below the Barambah Creek junction overnight and Wednesday. River levels are steady around Mundubbera and Gayndah, but further rises are likely. Flood levels

at Mundubbera and Gayndah are the highest since 1942, and higher than the 1954 and 1971 floods.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 to 36 hours. Very fast river rises have been recorded at Bundaberg today as high local inflows arrive. With the higher than expected local inflows and upstream flows, Bundaberg is expected to exceed the major flood level of 7 metres overnight tonight, and reach about 7.5 metres on Wednesday. Major flood levels will be maintained at high levels until at least Thursday night as upstream floodwaters arrive.

Predicted River Heights/Flows:
Mundubbera Major flood peak between 19 and 20 metres overnight or Wednesday.

Gayndah Major flood peak of about 16 metres overnight or Wednesday.

Bundaberg Exceed the major flood level of 7 metres overnight tonight.
Reach about 7.5 metres on Wednesday.
Remain high until at least Thursday night.

Peak prediction for Bundaberg will be updated as upstream peaks are recorded.

Next Issue:
The next warning will be issued at about 10pm Tuesday.

Latest River Heights:

Burnett R at Ceratodus *	12.78m	rising	03:30 PM TUE 28/12/10
Nogo R at Wuruma Dam HW *	2.87m	falling	04:00 PM TUE 28/12/10
Burnett R at Marriages *	12.61m	steady	03:30 PM TUE 28/12/10
Boyne R at Boondooma Dam *	3.08m	steady	02:50 PM TUE 28/12/10
Burnett R at Mundubbera	18.82m	steady	02:30 PM TUE 28/12/10
Burnett R at Gayndah	15.6m	steady	03:30 PM TUE 28/12/10
Barker Ck at Bjelke-Petersen Dam *	1.82m	steady	02:40 PM TUE 28/12/10
Barambah Ck at Joe Sippel Weir HW *	2.52m	steady	03:00 PM TUE 28/12/10
Barambah Ck at Stonelands *	9.24m	rising	02:55 PM TUE 28/12/10
Burnett R at Mt Lawless *	13.42m	rising	03:20 PM TUE 28/12/10
Burnett R at Bundaberg	6m	rising	03:00 PM TUE 28/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 10:20 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and high flows from the upper Burnett, Auburn and Boyne River systems

are causing major flooding in the Munduberra and Gayndah areas, where river levels have exceeded the 1954 flood levels. A major flood peaks is expected in the Mt Lawless area below the Barambah Creek junction overnight.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 to 36 hours. Very fast river rises have been recorded at Walla today and will continue at Bundaberg overnight as high local inflows arrive. Bundaberg is expected to exceed the major flood level of 7 metres overnight tonight, and reach 7.5 metres on Wednesday. Major flood levels will be maintained at high levels until at least Thursday night as upstream floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding peaked in the Eidsvold area around 11am Tuesday and is falling slowly.

AUBURN, STUART & BOYNE RIVERS:
Major flooding is continuing in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Moderate to major flooding continues throughout the Barambah Creek and Barker Creek system.

BURNETT RIVER:
Major flood peaks have been observed in the in the Mundubbera and Gayndah areas this evening and a peak is expected in the Mt Lawless area below the Barambah Creek junction overnight. Flood levels at Mundubbera and Gayndah are the highest since 1942, and higher than the 1954 and 1971 floods.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 to 36 hours. Very fast river rises have been recorded at Walla today and will continue at Bundaberg overnight as high local inflows arrive. Bundaberg is expected to exceed the major flood level of 7 metres overnight tonight, and reach 7.5 metres on Wednesday. Major flood levels will be maintained at high levels until at least Thursday night as upstream floodwaters arrive.

Predicted River Heights/Flows:

Bundaberg Exceed the major flood level of 7 metres overnight tonight.
Reach about 7.5 metres on Wednesday.
Remain high until at least Thursday night.

Peak prediction for Bundaberg will be updated as upstream peaks are recorded.

Next Issue:
The next warning will be issued at about Midnight.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-0.37m rising	09:05 PM TUE 28/12/10
Three Moon Ck at Monto *	5.58m falling	08:55 PM TUE 28/12/10
Burnett R at Ceratodus *	12.94m rising	08:50 PM TUE 28/12/10
Nogo R at Wuruma Dam HW *	2.67m falling	09:00 PM TUE 28/12/10
Burnett R at Marriages *	12.89m rising	08:40 PM TUE 28/12/10
Boyne R at Boondooma Dam *	2.74m falling	08:50 PM TUE 28/12/10
Burnett R at Mundubbera	18.55m falling slowly	09:00 PM TUE 28/12/10
Burnett R at Gayndah Flume *	16.18m falling	08:00 PM TUE 28/12/10
Burnett R at Gayndah	15.5m falling slowly	09:00 PM TUE 28/12/10
Barker Ck at Bjelke-Petersen Dam *	1.89m steady	08:40 PM TUE 28/12/10
Barambah Ck at Joe Sippel Weir HW *	2.4m falling	08:30 PM TUE 28/12/10
Barambah Ck at Ficks Crossing *	8.83m rising	05:20 PM TUE 28/12/10

Barambah Ck at Stonelands *	9.43m rising	08:20 PM TUE 28/12/10
Burnett R at Mt Lawless *	13.52m steady	08:30 PM TUE 28/12/10
Burnett R at Bundaberg	6.45m rising	09:00 PM TUE 28/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 12:31 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and high flows from the upper Burnett, Auburn and Boyne River systems are causing major flooding in the Munduberra and Gayndah areas, where river levels have exceeded the 1954 flood levels. A major flood peaks is expected in the Mt Lawless area below the Barambah Creek junction overnight.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 hours. Very fast river rises have been recorded at Walla today and will continue at Bundaberg overnight as high local inflows arrive. Bundaberg is expected to exceed the major flood level of 7 metres overnight tonight, and reach 7.5 metres on Wednesday. Major flood levels will be maintained at high levels until at least Thursday night as upstream floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding peaked in the Eidsvold area around 11am Tuesday and is falling slowly.

AUBURN, STUART & BOYNE RIVERS:
Major flooding is continuing in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Moderate to major flooding continues throughout the Barambah Creek and Barker Creek system.

BURNETT RIVER:
Major flood peaks have been observed in the in the Mundubbera and Gayndah areas this evening and a peak is expected in the Mt Lawless area below the Barambah Creek junction overnight. Flood levels at Mundubbera and Gayndah are the highest since 1942, and higher than the 1954 and 1971 floods.

Fast river rises and major flooding will continue along the Burnett River to the Bundaberg area during the next 24 to 36 hours. Very fast river rises have been recorded at Walla today and will continue at Bundaberg overnight as high local inflows arrive. Bundaberg is expected to exceed the major flood level of 7

metres overnight tonight, and reach 7.5 metres on Wednesday. Major flood levels will be maintained at high levels until at least Thursday night as upstream floodwaters arrive.

Predicted River Heights/Flows:

Bundaberg Exceed the major flood level of 7 metres overnight tonight.
Reach about 7.5 metres on Wednesday.
Remain high until at least Thursday night.

Peak prediction for Bundaberg will be updated as upstream peaks are recorded.

Next Issue:
The next warning will be issued at about 6am Wednesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	-0.37m rising	09:05 PM TUE 28/12/10
Three Moon Ck at Monto *	5.52m steady	12:00 AM WED 29/12/10
Burnett R at Ceratodus *	13.01m rising	11:00 PM TUE 28/12/10
Nogo R at Wuruma Dam HW *	2.63m falling	10:00 PM TUE 28/12/10
Burnett R at Marriages *	12.91m rising	11:00 PM TUE 28/12/10
Boyne R at Boondooma Dam *	2.69m falling	09:50 PM TUE 28/12/10
Burnett R at Mundubbera	18.55m falling slowly	09:00 PM TUE 28/12/10
Burnett R at Gayndah Flume *	16.24m rising	11:10 PM TUE 28/12/10
Burnett R at Gayndah	15.5m falling slowly	09:00 PM TUE 28/12/10
Barker Ck at Bjelke-Petersen Dam *	1.89m steady	08:40 PM TUE 28/12/10
Barambah Ck at Joe Sippel Weir HW *	2.4m falling	08:30 PM TUE 28/12/10
Barambah Ck at Ficks Crossing *	8.83m rising	05:20 PM TUE 28/12/10
Barambah Ck at Stonelands *	9.49m rising	11:30 PM TUE 28/12/10
Burnett R at Mt Lawless *	13.44m steady	11:30 PM TUE 28/12/10
Burnett R at Bundaberg	6.6m rising slowly	11:00 PM TUE 28/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:09 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels have peaked in the Mundubbera, Gayndah to Mt Lawless areas of the Burnett River. The main flood peak is in the Walla area this morning, upstream from Bundaberg.

At 5am, Bundaberg was 7 metres and rising slowly. It is expected to continue rising slowly today and peak at about 7.5 metres later today (Wednesday) or overnight.

River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding remains high near the major flood peak along the upper Burnett River through to the Eidsvold area, with river levels expected to commence to ease during Wednesday.

AUBURN, STUART & BOYNE RIVERS:
Major flooding is continuing in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Moderate to major flooding continues throughout the Barambah Creek and Barker Creek system.

BURNETT RIVER:
Major flooding has commenced to ease in the Mundubbera and Gayndah areas with the major flood peak currently downstream of the Mt Lawless area below the Barambah Creek junction. Flood levels at Mundubbera and Gayndah are the highest since 1942, and higher than the 1954 and 1971 floods.

At 5am, Bundaberg was 7 metres and rising slowly. It is expected to continue rising slowly today and peak at about 7.5 metres later today (Wednesday) or overnight. River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

Predicted River Heights/Flows:

Bundaberg Peak at about 7.5 metres during Wednesday or overnight tonight. Remain high until Friday.

Peak prediction for Bundaberg will be updated as upstream peaks are recorded.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:

Burnett R at Ceratodus *	13.3m rising	04:00 AM WED 29/12/10
Nogo R at Wuruma Dam HW *	2.31m falling	05:20 AM WED 29/12/10
Burnett R at Marriages *	12.86m rising	04:55 AM WED 29/12/10
Boyne R at Boondooma Dam *	2.31m falling	05:00 AM WED 29/12/10
Burnett R at Mundubbera	18.55m falling slowly	09:00 PM TUE 28/12/10
Burnett R at Gayndah	15.25m falling	05:00 AM WED 29/12/10
Barambah Ck at Ficks Crossing *	8.84m rising	01:15 AM WED 29/12/10
Barambah Ck at Stonelands *	9.61m rising	02:50 AM WED 29/12/10
Burnett R at Mt Lawless *	13.39m rising	05:20 AM WED 29/12/10
Burnett R at Bundaberg	7m rising slowly	05:00 AM WED 29/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 12:02 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing in the Mundubbera, Gayndah to Mt Lawless areas of the Burnett River. The main flood peak is situated between Walla and Bundaberg, with a flood peak to about 7.8 metres expected at Bundaberg overnight Wednesday.

River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding ia easing along the upper Burnett River through to the Eidsvold area, with major flood levels remaining steady at Marriages.

AUBURN, STUART & BOYNE RIVERS:
Major flooding continues to ease in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues in the Barambah and Barker Creek system, with major flooding easing in Barker Creek at Glenmore.

BURNETT RIVER:
Major flooding is easing slowly in the Mundubbera and Gayndah areas where flood levels are the highest since 1942, and higher than the 1954 and 1971 floods. The flood peak is situated downstream from Walla and is currently approaching Bundaberg.

At 11am, Bundaberg was 7.35 metres and rising slowly, with further rises and a peak to about 7.8 metres overnight Wednesday. River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

Predicted River Heights/Flows:

Bundaberg Peak at about 7.8 metres overnight Wednesday.
River levels to remain high until Friday.

Peak prediction for Bundaberg will be updated as upstream peaks are recorded.

Next Issue:
The next warning will be issued at about 6pm Wednesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.13m rising	10:45 AM WED 29/12/10
Three Moon Ck at Monto *	5.29m falling	10:45 AM WED 29/12/10
Three Moon Ck at Abercorn *	8.13m falling	09:00 AM WED 29/12/10
Burnett R at Ceratodus *	12.93m falling	10:30 AM WED 29/12/10
Nogo R at Wuruma Dam HW *	2.04m falling	10:00 AM WED 29/12/10
Burnett R at Eidsvold Br	NA	
Burnett R at Marriages *	12.77m falling	08:00 AM WED 29/12/10
Auburn R at Glenwood *	NA	
Boyne R at Boondooma Dam *	2.01m falling	11:00 AM WED 29/12/10
Burnett R at Mundubbera	18.1m falling slowly	09:00 AM WED 29/12/10
Burnett R at Gayndah Flume *	15.81m rising	11:10 AM WED 29/12/10

Burnett R at Gayndah	15.25m falling	05:00 AM WED 29/12/10
Barker Ck at Bjelke-Petersen Dam *	1.8m falling	08:40 AM WED 29/12/10
Barambah Ck at Joe Sippel Weir HW *	2.22m falling	07:50 AM WED 29/12/10
Barambah Ck at Ficks Crossing *	8.73m falling	06:25 AM WED 29/12/10
Barambah Ck at Stonelands *	9.74m rising	06:00 AM WED 29/12/10
Burnett R at Mt Lawless *	13.15m rising	11:30 AM WED 29/12/10
Burnett R at Paradise Dam HW *	73.55m falling	10:00 AM WED 29/12/10
Burnett R at Walla TM *	NA	
Burnett R at Bundaberg	7.35m rising slowly	11:00 AM WED 29/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 5:47 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is easing in the Mundubbera, Gayndah to Mt Lawless areas of the Burnett River. The main flood peak is situated between Walla and Bundaberg, with a flood peak to about 7.8 metres expected at Bundaberg overnight Wednesday.

River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding ia easing along the upper Burnett River through to the Marriages area.

AUBURN, STUART & BOYNE RIVERS:
Major flooding continues to ease in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues in the Barambah and Barker Creek system, with major flooding easing in Barker Creek at Glenmore.

BURNETT RIVER:
Major flooding is easing slowly in the Mundubbera and Gayndah areas where flood levels are the highest since 1942, and higher than the 1954 and 1971 floods. The flood peak is situated downstream from Walla and is currently approaching Bundaberg.

At 5pm, Bundaberg was 7.6 metres and rising slowly, with further rises and a peak to about 7.8 metres overnight Wednesday. River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

Predicted River Heights/Flows:

Bundaberg Peak at about 7.8 metres overnight Wednesday.
River levels to remain high until Friday.

Next Issue:
The next warning will be issued at about 11pm Wednesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.21m steady	03:15 PM WED 29/12/10
Three Moon Ck at Monto *	5.06m falling	04:05 PM WED 29/12/10
Three Moon Ck at Abercorn *	8.13m falling	09:00 AM WED 29/12/10
Burnett R at Ceratodus *	11.75m falling	04:10 PM WED 29/12/10
Nogo R at Wuruma Dam HW *	1.71m falling	04:00 PM WED 29/12/10
Burnett R at Marriages *	12.6m falling	04:00 PM WED 29/12/10
Boyne R at Boondooma Dam *	1.78m falling	04:00 PM WED 29/12/10
Burnett R at Mundubbera	17.6m falling	03:00 PM WED 29/12/10
Burnett R at Gayndah Flume *	15.4m steady	04:20 PM WED 29/12/10
Burnett R at Gayndah	15.25m falling	05:00 AM WED 29/12/10
Barker Ck at Bjelke-Petersen Dam *	1.69m falling	02:50 PM WED 29/12/10
Barambah Ck at Joe Sippel Weir HW *	2.05m falling	03:00 PM WED 29/12/10
Barambah Ck at Ficks Crossing *	8.53m steady	01:45 PM WED 29/12/10
Barambah Ck at Stonelands *	9.94m rising	01:25 PM WED 29/12/10
Burnett R at Mt Lawless *	12.78m falling	04:10 PM WED 29/12/10
Burnett R at Paradise Dam HW *	73.52m falling slowly	12:45 PM WED 29/12/10
Burnett R at Walla TM *	19.8m falling	04:00 PM WED 29/12/10
Burnett R at Bundaberg	7.6m rising slowly	05:00 PM WED 29/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 10:52 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is easing in the Mundubbera, Gayndah to Mt Lawless
areas of the Burnett River. The main flood peak is situated between Walla and
Bundaberg, with a flood peak to about 7.8 metres expected at Bundaberg overnight
Wednesday.

River levels at Bundaberg will remain at high levels until Friday as upstream
floodwaters arrive.

UPPER BURNETT RIVER:
Major flooding ia easing along the upper Burnett River through to the Marriages

area.

AUBURN, STUART & BOYNE RIVERS:
Major flooding continues to ease in the Auburn River around Glenwood, and throughout the Stuart and Boyne Rivers.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues in the Barambah and Barker Creek system, with major flooding easing in Barker Creek at Glenmore.

BURNETT RIVER:
Major flooding is easing slowly in the Mundubbera and Gayndah areas where flood levels are the highest since 1942, and higher than the 1954 and 1971 floods. The flood peak is situated downstream from Walla and is currently approaching Bundaberg.

At 10pm, Bundaberg was 7.75 metres and rising slowly, with further rises and a peak to about 7.8 metres overnight Wednesday. River levels at Bundaberg will remain at high levels until Friday as upstream floodwaters arrive.

Predicted River Heights/Flows:

Bundaberg Peak at about 7.8 metres overnight Wednesday.
River levels to remain high until Friday.

Next Issue:
The next warning will be issued at about 7:30am Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.26m rising	08:50 PM WED 29/12/10
Three Moon Ck at Monto *	4.73m falling	09:05 PM WED 29/12/10
Three Moon Ck at Abercorn *	8.13m falling	09:00 AM WED 29/12/10
Burnett R at Ceratodus *	10.56m falling	09:30 PM WED 29/12/10
Nogo R at Wuruma Dam HW *	1.45m falling	10:00 PM WED 29/12/10
Burnett R at Marriages *	12.49m falling	08:55 PM WED 29/12/10
Boyne R at Boondooma Dam *	1.54m falling	09:50 PM WED 29/12/10
Burnett R at Mundubbera	16.85m falling	09:00 PM WED 29/12/10
Burnett R at Gayndah Flume *	15.03m falling	09:00 PM WED 29/12/10
Burnett R at Gayndah	15.25m falling	05:00 AM WED 29/12/10
Barker Ck at Bjelke-Petersen Dam *	1.57m steady	08:40 PM WED 29/12/10
Barambah Ck at Joe Sippel Weir HW *	1.75m falling	09:00 PM WED 29/12/10
Barambah Ck at Ficks Crossing *	8.43m falling	04:35 PM WED 29/12/10
Barambah Ck at Stonelands *	9.86m falling	08:45 PM WED 29/12/10
Burnett R at Mt Lawless *	12.53m steady	09:20 PM WED 29/12/10
Burnett R at Paradise Dam HW *	73.52m falling slowly	12:45 PM WED 29/12/10
Burnett R at Walla TM *	19.8m falling	04:00 PM WED 29/12/10
Burnett R at Bundaberg	7.75m rising slowly	10:00 PM WED 29/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:16 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

At 7am, Bundaberg is at 7.85 metres and steady and commencing to peak. The peak will remain at Bundaberg during Thursday and tonight at about its current level. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

UPPER BURNETT RIVER:
Moderate to major flooding continues to ease along the upper Burnett River through to the Marriages area. River levels will remain high at Marriages during Thursday.

AUBURN, STUART & BOYNE RIVERS:
Moderate flooding continues to ease in the Auburn River around Glenwood.
Moderate to major flooding is easing in the Stuart and Boyne Rivers between Dunollie and Derra.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues to ease in the Barambah and Barker Creeks, with major flooding easing in Barker Creek at Glenmore.

BURNETT RIVER:
Moderate flooding is easing in the Mundubbera and Gayndah areas, with major flooding extending downstream from Mt Lawless through to Bundaberg. At 7am Thursday, Bundaberg was at 7.85 metres and steady and commencing to peak. The peak will remain at Bundaberg during Thursday and tonight at about its current level. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

Predicted River Heights/Flows:

Bundaberg Remain around its current level during Thursday and overnight. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

Next Issue:
The next warning will be issued at about midday Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.28m steady	06:00 AM THU 30/12/10
Three Moon Ck at Monto *	4.55m steady	06:00 AM THU 30/12/10
Burnett R at Ceratodus *	8.91m falling	06:00 AM THU 30/12/10
Nogo R at Wuruma Dam HW *	1.18m steady	06:00 AM THU 30/12/10
Burnett R at Marriages *	12.85m falling	06:20 AM THU 30/12/10
Auburn R at Glenwood *	NA	
Boyne R at Boondooma Dam *	1.27m steady	06:00 AM THU 30/12/10
Burnett R at Mundubbera	14.83m falling	06:00 AM THU 30/12/10
Burnett R at Gayndah Flume *	13.79m falling	06:30 AM THU 30/12/10
Barambah Ck at Joe Sippel Weir HW *	1.75m falling	09:00 PM WED 29/12/10
Barambah Ck at Ficks Crossing *	7.91m falling	06:20 AM THU 30/12/10
Barambah Ck at Stonelands *	9.51m falling	05:40 AM THU 30/12/10
Burnett R at Mt Lawless *	11.52m falling	06:20 AM THU 30/12/10
Burnett R at Paradise Dam HW *	73.52m falling slowly	12:45 PM WED 29/12/10
Burnett R at Walla TM *	19.8m falling	04:00 PM WED 29/12/10
Burnett R at Bundaberg	7.85m falling slowly	07:00 AM THU 30/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 12:23 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels at Bundaberg will remain steady at about its current levels during Thursday and tonight. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

UPPER BURNETT RIVER:
Moderate to major flooding continues to ease along the upper Burnett River through to the Marriages area. River levels will remain high at Marriages during Thursday.

AUBURN, STUART & BOYNE RIVERS:
Moderate flooding continues to ease in the Auburn River around Glenwood. Minor to major flooding is easing in the Stuart and Boyne Rivers between Dunollie and Derra.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues to ease in the Barambah and Barker Creeks, with major flooding easing in Barker Creek at Glenmore.

BURNETT RIVER:
Moderate flooding is easing in the Mundubbera and Gayndah areas, with major flooding extending downstream from Mt Lawless through to Bundaberg. At noon Thursday, Bundaberg was at 7.85 metres and steady. The peak will remain at Bundaberg during Thursday and tonight at about its current level. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

Predicted River Heights/Flows:

Bundaberg Remain around its current level during Thursday and overnight. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

Next Issue:
The next warning will be issued at about 5pm Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.28m steady	06:00 AM THU 30/12/10
Three Moon Ck at Monto *	4.51m steady	11:05 AM THU 30/12/10
Three Moon Ck at Abercorn *	NA	
Burnett R at Ceratodus *	8.04m falling	11:20 AM THU 30/12/10

Nogo R at Wuruma Dam HW *	1.05m falling	10:40 AM THU 30/12/10
Burnett R at Eidsvold Br	NA	
Burnett R at Marriages *	11.11m falling	11:50 AM THU 30/12/10
Auburn R at Glenwood *	NA	
Boyne R at Boondooma Dam *	1.27m steady	06:00 AM THU 30/12/10
Burnett R at Mundubbera	13.94m falling	09:30 AM THU 30/12/10
Burnett R at Gayndah Flume *	12.8m falling	11:30 AM THU 30/12/10
Barker Ck at Bjelke-Petersen Dam *	1.39m steady	06:00 AM THU 30/12/10
Barambah Ck at Joe Sippel Weir HW *	1.1m falling	06:40 AM THU 30/12/10
Barambah Ck at Ficks Crossing *	7.91m falling	06:20 AM THU 30/12/10
Barambah Ck at Stonelands *	9.22m falling	11:40 AM THU 30/12/10
Burnett R at Mt Lawless *	10.63m falling	11:30 AM THU 30/12/10
Burnett R at Paradise Dam HW *	73.52m falling slowly	12:45 PM WED 29/12/10
Burnett R at Walla TM *	19.8m falling	04:00 PM WED 29/12/10
Burnett R at Bundaberg	7.85m falling slowly	12:00 PM THU 30/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 4:56 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels at Bundaberg will remain steady at about its current levels into Thursday evening. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

UPPER BURNETT RIVER:
Moderate to major flooding continues to ease along the upper Burnett River through to the Marriages area. River levels will remain high at Marriages during Thursday.

AUBURN, STUART & BOYNE RIVERS:
Moderate flooding continues to ease in the Auburn River around Glenwood. Minor to major flooding is easing in the Stuart and Boyne Rivers between Dunollie and Derra.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues to ease in the Barambah and Barker Creeks.

BURNETT RIVER:
Moderate flooding is easing in the Mundubbera and Gayndah areas, with major flooding extending downstream from Mt Lawless through to Bundaberg. At 3pm Thursday, Bundaberg was at 7.82 metres and falling slowly. The peak will remain at Bundaberg during Thursday evening at about its current level. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

Predicted River Heights/Flows:
Bundaberg Remain around its current level during Thursday and overnight. River levels at Bundaberg should commence falling slowly overnight or during Friday morning.

Next Issue:
The next warning will be issued at about 8am Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.26m steady	03:45 PM THU 30/12/10
Three Moon Ck at Monto *	4.45m falling	03:45 PM THU 30/12/10
Burnett R at Ceratodus *	7.48m falling	03:30 PM THU 30/12/10
Nogo R at Wuruma Dam HW *	0.94m falling	03:30 PM THU 30/12/10
Burnett R at Marriages *	10.26m falling	04:00 PM THU 30/12/10
Boyne R at Boondooma Dam *	1.27m steady	06:00 AM THU 30/12/10
Burnett R at Mundubbera	12.57m falling slowly	03:00 PM THU 30/12/10
Burnett R at Gayndah Flume *	12.09m falling	03:00 PM THU 30/12/10
Barker Ck at Bjelke-Petersen Dam *	1.28m steady	12:00 PM THU 30/12/10
Barambah Ck at Joe Sippel Weir HW *	1.1m falling	06:40 AM THU 30/12/10
Barambah Ck at Ficks Crossing *	7.91m falling	06:20 AM THU 30/12/10
Barambah Ck at Stonelands *	9.05m falling	02:50 PM THU 30/12/10
Burnett R at Mt Lawless *	9.88m falling	03:20 PM THU 30/12/10
Burnett R at Walla TM *	18.7m falling	12:00 PM THU 30/12/10
Burnett R at Bundaberg	7.82m falling slowly	03:00 PM THU 30/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:11 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels at Bundaberg have commenced to fall slowly overnight Thursday and are expected to continue to ease during Friday.

UPPER BURNETT RIVER:
Minor to moderate flooding continues to ease along the upper Burnett River through to the Marriages area.

AUBURN, STUART & BOYNE RIVERS:
Moderate flooding continues to ease in the Auburn River around Glenwood. Minor to major flooding is easing in the Stuart and Boyne Rivers between Dunollie and Derra.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues to ease in the Barambah and Barker Creeks.

BURNETT RIVER:
Minor to moderate flooding is easing in the Mundubbera and Gayndah areas, with major flooding extending downstream from Mt Lawless through to Bundaberg. At 6am Friday, Bundaberg was at 7.4 metres and falling slowly. River levels at Bundaberg are expected to continue easing during Friday and into the weekend.

Predicted River Heights/Flows:
Bundaberg River levels at Bundaberg to continue falling during Friday.

Next Issue:
The next warning will be issued at about 2pm Friday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.21m	steady	06:00 AM FRI 31/12/10
Three Moon Ck at Monto *	4.06m	falling	06:00 AM FRI 31/12/10
Burnett R at Ceratodus *	6.14m	steady	05:00 AM FRI 31/12/10
Nogo R at Wuruma Dam HW *	0.71m	steady	06:00 AM FRI 31/12/10
Burnett R at Marriages *	8.02m	falling	06:05 AM FRI 31/12/10
Boyne R at Boondooma Dam *	0.78m	steady	06:00 AM FRI 31/12/10
Burnett R at Mundubbera	10.25m	falling slowly	06:00 AM FRI 31/12/10
Burnett R at Gayndah Flume *	9.67m	falling	05:20 AM FRI 31/12/10
Barker Ck at Bjelke-Petersen Dam *	1.18m	steady	06:00 PM THU 30/12/10
Barambah Ck at Ficks Crossing *	6.79m	steady	06:10 AM FRI 31/12/10
Barambah Ck at Stonelands *	8.17m	falling	06:15 AM FRI 31/12/10
Burnett R at Mt Lawless *	7.74m	falling	05:40 AM FRI 31/12/10
Burnett R at Paradise Dam	72.58m	falling	02:00 PM THU 30/12/10
Burnett R at Walla TM *	17.94m	falling	05:55 PM THU 30/12/10
Burnett R at Bundaberg	7.40m	falling slowly	06:00 AM FRI 31/12/10

* from automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 1:40 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels at Bundaberg will continue to slowly ease during Friday and into the weekend.

UPPER BURNETT RIVER:
Minor flooding continues to ease along the upper Burnett River through to the Marriages area.

AUBURN AND BOYNE RIVERS:
Moderate to major flooding continues to ease in the Auburn River around

Glenwood, and in the Boyne River at Derra.

BARAMBAH CREEK SYSTEM:
Minor to moderate flooding continues to ease in the Barambah and Barker Creeks.

BURNETT RIVER:
Minor to moderate flooding continues to ease at Mundubbera, Gayndah, and Mt Lawless. Major flooding is slowly easing downstream from Walla through to Bundaberg, with river levels to continue easing during Friday and into the weekend. At midday Friday, Bundaberg was at 7.05 metres and falling slowly.

Predicted River Heights/Flows:
Bundaberg River levels at Bundaberg to continue falling during Friday.

Next Issue:
The next warning will be issued at about 8pm Friday.

Latest River Heights:

Burnett R at Mundubbera	9.67m	falling slowly	10:00 AM FRI 31/12/10
Burnett R at Gayndah Flume *	8.91m	steady	12:00 PM FRI 31/12/10
Barker Ck at Bjelke-Petersen Dam *	0.99m	falling	06:00 AM FRI 31/12/10
Barambah Ck at Joe Sippel Weir HW *	0.51m	falling	06:00 AM FRI 31/12/10
Barambah Ck at Ficks Crossing *	6.79m	steady	06:10 AM FRI 31/12/10
Barambah Ck at Stonelands *	7.87m	falling	11:45 AM FRI 31/12/10
Burnett R at Mt Lawless *	7.09m	falling	12:10 PM FRI 31/12/10
Burnett R at Walla TM *	15.12m	falling	07:00 AM FRI 31/12/10
Burnett R at Bundaberg	7.05m	falling slowly	12:00 PM FRI 31/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:04 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels at Bundaberg will continue to fall overnight Friday and during the weekend.

UPPER BURNETT RIVER:
Minor flooding continues to ease along the lower reaches of the upper Burnett River between Eidsvold and Marriages.

AUBURN AND BOYNE RIVERS:
Minor to moderate flooding continues to ease in the Auburn River around Glenwood, and in the Boyne River between Dunollie and Derra.

BARAMBAH CREEK SYSTEM:

Minor to moderate flooding continues to ease in the Barambah and Barker Creeks.

BURNETT RIVER:
Minor to moderate flooding continues to ease at Mundubbera, Gayndah, and Mt Lawless, with major flooding also easing downstream at Walla. Moderate flood levels are falling at Bundaberg, where at 3pm Friday the river level was 6.8 metres. River levels at Bundaberg will continue to ease overnight and during the weekend.

Predicted River Heights/Flows:
Bundaberg River levels at Bundaberg to continue falling overnight Friday and during the weekend.

Next Issue:
The next warning will be issued at about 8am Saturday.

Latest River Heights:

Three Moon Ck at Monto *	3.47m falling	06:00 PM FRI 31/12/10
Burnett R at Ceratodus *	5.41m falling	05:00 PM FRI 31/12/10
Nogo R at Wuruma Dam HW *	0.57m steady	06:00 PM FRI 31/12/10
Burnett R at Eidsvold Br	NA	
Burnett R at Marriages *	NA	
Auburn R at Glenwood *	NA	
Boyne R at Boondooma Dam *	0.65m steady	04:50 PM FRI 31/12/10
Burnett R at Mundubbera	9.15m falling slowly	03:00 PM FRI 31/12/10
Burnett R at Gayndah Flume *	8.38m falling	05:30 PM FRI 31/12/10
Barker Ck at Bjelke-Petersen Dam *	0.85m falling	05:20 PM FRI 31/12/10
Barambah Ck at Joe Sippel Weir HW *	0.51m falling	06:00 AM FRI 31/12/10
Barambah Ck at Ficks Crossing *	6.79m steady	06:10 AM FRI 31/12/10
Barambah Ck at Stonelands *	7.53m falling	05:50 PM FRI 31/12/10
Burnett R at Mt Lawless *	6.66m falling	05:20 PM FRI 31/12/10
Burnett R at Paradise Dam HW *	NA	
Burnett R at Walla TM *	15.12m falling	07:00 AM FRI 31/12/10
Burnett R at Bundaberg	6.8m falling slowly	03:00 PM FRI 31/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:53 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels at Bundaberg will continue falling during the weekend.

UPPER BURNETT RIVER:
Minor flooding continues to ease along the lower reaches of the upper Burnett River between Eidsvold and Marriages.

AUBURN AND BOYNE RIVERS:
Minor to moderate flooding continues to ease in the Auburn River around Glenwood, and in the Boyne River between Dunollie and Derra.

BARAMBAH CREEK SYSTEM:
Flooding has eased in the Barambah and Barker Creeks area.

BURNETT RIVER:
Minor flooding continues to ease at Mundubbera, Gayndah, and Mt Lawless, with moderate flooding also easing downstream at Walla. Minor flood levels will continue to fall at Bundaberg during the weekend.

Predicted River Heights/Flows:
Bundaberg River levels at Bundaberg to continue falling during the weekend.

Next Issue:
The next warning will be issued at about 7pm Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.14m steady	06:00 AM SAT 01/01/11
Three Moon Ck at Monto *	2.93m steady	06:00 AM SAT 01/01/11
Burnett R at Ceratodus *	4.94m falling	06:00 AM SAT 01/01/11
Nogo R at Wuruma Dam HW *	0.48m steady	06:00 AM SAT 01/01/11
Boyne R at Boondooma Dam *	0.55m steady	06:00 AM SAT 01/01/11
Burnett R at Mundubbera	7.65m falling slowly	06:00 AM SAT 01/01/11
Burnett R at Gayndah Flume *	7.38m falling	06:00 AM SAT 01/01/11
Barker Ck at Bjelke-Petersen Dam *	0.85m falling	05:20 PM FRI 31/12/10
Barambah Ck at Ficks Crossing *	5.75m falling	06:10 AM SAT 01/01/11
Barambah Ck at Stonelands *	6.93m falling	06:15 AM SAT 01/01/11
Burnett R at Mt Lawless *	5.68m falling	06:00 AM SAT 01/01/11
Burnett R at Bundaberg	4.90m falling	07:30 AM SAT 01/01/11

* denotes automatic stations.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:39 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels at Bundaberg will continue falling during the weekend.

UPPER BURNETT RIVER:
Minor flooding continues to ease along the lower reaches of the upper Burnett River.

AUBURN AND BOYNE RIVERS:
Minor flooding continues to ease in the Auburn River around Glenwood and in the Boyne River at Derra.

BURNETT RIVER:
Minor flooding continues to ease from Mundubbera to Bundaberg with Bundaberg expected to fall below minor flood level overnight Saturday.

Predicted River Heights/Flows:
Bundaberg Fall below 3.5 metres (minor) overnight Saturday.

Next Issue:
The next warning will be issued at about 9am Sunday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.13m steady	12:00 PM SAT 01/01/11
Three Moon Ck at Monto *	2.55m falling	05:40 PM SAT 01/01/11
Three Moon Ck at Abercorn *	5.4m falling	05:00 PM SAT 01/01/11
Burnett R at Ceratodus *	4.63m falling	05:00 PM SAT 01/01/11
Nogo R at Wuruma Dam HW *	0.42m falling	03:50 PM SAT 01/01/11
Boyne R at Boondooma Dam *	0.49m steady	01:30 PM SAT 01/01/11
Burnett R at Mundubbera	6.8m falling slowly	03:00 PM SAT 01/01/11
Burnett R at Gayndah Flume *	6.58m falling	05:00 PM SAT 01/01/11
Barker Ck at Bjelke-Petersen Dam *	0.73m steady	06:00 AM SAT 01/01/11
Barambah Ck at Joe Sippel Weir HW *	0.35m steady	06:00 AM SAT 01/01/11
Barambah Ck at Ficks Crossing *	5.75m falling	06:10 AM SAT 01/01/11
Barambah Ck at Stonelands *	6.45m falling	05:50 PM SAT 01/01/11
Burnett R at Mt Lawless *	4.98m falling	05:00 PM SAT 01/01/11
Burnett R at Bundaberg	3.7m falling	03:00 PM SAT 01/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:59 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels are expected to continue falling during Sunday throughout the Burnett River catchment. Moderate flood levels are expected to fall below minor at Walla Weir during Sunday.

River levels at Bundaberg have now fallen below the minor flood level.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.1m steady	06:00 AM SUN 02/01/11
Three Moon Ck at Monto *	2.22m falling	07:05 AM SUN 02/01/11
Three Moon Ck at Abercorn *	5.06m falling	06:00 AM SUN 02/01/11
Burnett R at Ceratodus *	4.29m falling	06:00 AM SUN 02/01/11
Nogo R at Wuruma Dam HW *	0.35m steady	06:00 AM SUN 02/01/11
Burnett R at Eidsvold Br	5.6m falling slowly	09:00 PM SAT 01/01/11
Boyne R at Boondooma Dam *	0.42m steady	06:00 AM SUN 02/01/11
Burnett R at Mundubbera	6.8m falling slowly	03:00 PM SAT 01/01/11
Burnett R at Gayndah Flume *	5.84m falling	05:00 AM SUN 02/01/11
Barker Ck at Bjelke-Petersen Dam *	0.55m steady	06:00 AM SUN 02/01/11
Barambah Ck at Joe Sippel Weir HW *	0.28m steady	06:00 AM SUN 02/01/11
Barambah Ck at Ficks Crossing *	4.84m falling	07:00 AM SUN 02/01/11
Barambah Ck at Stonelands *	6m falling	06:00 AM SUN 02/01/11
Burnett R at Mt Lawless *	4.33m falling	06:00 AM SUN 02/01/11
Burnett R at Bundaberg	2.55m falling	06:00 AM SUN 02/01/11

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 4:59 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall during the last 36 hours has led to renewed rises in the Burnett River catchment with some minor to moderate flood levels. Minor flooding is continuing along the Boyne Rivers.

UPPER BURNETT
Minor flooding is occurring along Eastern Creek, Three Moon Creek and along the Upper Burnett at Ceratodus and Eidsvold. Moderate flood levels are expected at Ceratodus overnight and at Eidsvold during Friday. Any rises to major flood levels will depend on further rainfall. Minor flood levels are expected at Marriages overnight Friday.

AUBURN RIVER
River rises with minor, possibly moderate flood levels are likely along the Auburn River into the weekend.

BARAMBAH AND BOONARA CREEKS
Renewed rises with moderate flood levels are expected along Boonara Creek at Ettiewyn overnight. Minor flood levels at Ficks Crossing and Silverleaf weir are forecast to continue overnight.

LOWER BURNETT RIVER
Renewed rises with minor flooding are expected at Mundubbera and Gayndah into the weekend and downstream to Mt Lawless and Walla over the weekend. Moderate

flood levels are possible at Walla. Flood levels at Bundaberg are expected to remain below minor.

Next Issue:
The next warning will be issued by 9:30pm Thursday

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.09m steady	12:00 PM THU 06/01/11
Three Moon Ck at Monto *	4.08m steady	01:20 PM THU 06/01/11
Burnett R at Ceratodus *	5.73m rising	03:30 PM THU 06/01/11
Nogo R at Wuruma Dam HW *	0.82m rising	12:00 PM THU 06/01/11
Burnett R at Eidsvold Br	4.6m rising slowly	09:00 PM WED 05/01/11
Boyne R at Boondooma Dam *	0.63m steady	06:00 AM THU 06/01/11
Burnett R at Gayndah Flume *	4.73m rising	03:00 PM THU 06/01/11
Barker Ck at Bjelke-Petersen Dam *	0.57m rising	10:30 AM THU 06/01/11
Barambah Ck at Joe Sippel Weir HW *	0.54m rising	06:30 AM THU 06/01/11
Barambah Ck at Ficks Crossing *	6.13m falling	11:05 AM THU 06/01/11
Barambah Ck at Stonelands *	6.15m rising	02:50 PM THU 06/01/11
Burnett R at Mt Lawless *	3.71m rising	03:00 PM THU 06/01/11
Burnett R at Walla TM *	6.46m steady	03:28 PM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 9:43 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Recent rainfall has led to river level rises and minor to moderate flooding in the Burnett River catchment. River levels at Bundaberg are expected to remain below minor.

UPPER BURNETT:
Minor flooding is occurring along Eastern Creek, Three Moon Creek and along the Nogo and Upper Burnett Rivers at Ceratodus and Eidsvold. Moderate flood levels are possible in the Eidsvold area during Friday with minor flood levels expected at Marriages overnight Friday.

AUBURN RIVER:
River rises with minor, possibly moderate flood levels likely along the Auburn River into the weekend.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate flood levels have peaked in Barker Creek at Glenmore. River level rises along Boonara Creek at Ettiewyn continue to rise with moderate flood levels possible overnight. Minor flood levels have peaked at Ficks Crossing with further rises and moderate flooding possible overnight at Silverleaf Weir.

LOWER BURNETT RIVER:
Renewed rises with minor flooding are expected at Mundubbera and Gayndah overnight Thursday and into the weekend. Minor flooding between Mt Lawless and Walla is expected to continue rising overnight with moderate flooding likely over the weekend. Major flooding is being recorded in Degilbo Creek at Coringa with levels expected to peak overnight around 8 metres.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres.

Next Issue:
The next warning will be issued by 10am Friday

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.11m	steady	06:00 PM THU 06/01/11
Three Moon Ck at Monto *	4.04m	steady	06:00 PM THU 06/01/11
Burnett R at Ceratodus *	5.99m	falling	07:00 PM THU 06/01/11
Nogo R at Wuruma Dam HW *	0.82m	rising	12:00 PM THU 06/01/11
Burnett R at Eidsvold Br	6.1m	rising	05:30 PM THU 06/01/11
Boyne R at Boondooma Dam *	0.63m	steady	06:00 AM THU 06/01/11
Burnett R at Gayndah Flume *	5.06m	rising	07:00 PM THU 06/01/11
Barker Ck at Bjelke-Petersen Dam *	0.7m	rising	07:10 PM THU 06/01/11
Barambah Ck at Joe Sippel Weir HW *	0.54m	rising	06:30 AM THU 06/01/11
Barambah Ck at Ficks Crossing *	6.13m	falling	11:05 AM THU 06/01/11
Barambah Ck at Stonelands *	6.55m	rising	06:00 PM THU 06/01/11
Burnett R at Mt Lawless *	4.2m	rising	07:00 PM THU 06/01/11
Burnett R at Walla TM *	7.6m	rising	07:30 PM THU 06/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 10:10 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

30 to 70 mm of rain has fallen over the catchment in the past 24 hours. This has caused river level rises and minor to moderate flooding in the Burnett River catchment.

Further rainfall is forecast for the catchment with some moderate to heavy falls to develop during the day.

UPPER BURNETT:
Minor flooding is easing on Eastern Creek. Minor flooding continues along Three Moon Creek and Nogo River. Minor to moderate flooding is rising on the Upper Burnett River between Ceratodus and Marriages.

AUBURN RIVER:
River rises with minor, possibly moderate flood levels likely along the Auburn River into the weekend.

BARAMBAH, BARKER AND BOONARA CREEKS:

Major flooding is occurring on Barker Creek at Glenmore where creek levels are nearing a peak and expected to fall overnight. Minor flooding at Ettiewyn on Boonara Creek is expected to fall during Friday. Further small rises and minor flooding is occurring on Barambah Creek between Ficks Crossing and Silverleaf Weir with possible moderate flooding developing during Friday.

LOWER BURNETT RIVER:
Minor to moderate flooding extends along the Lower Burnett River from Mundubbera to Walla with further small rises expected during Friday. Moderate flooding is expected to continue between Paradise Dam and Walla over the weekend.

Moderate flooding continues to ease on Degilbo Creek at Coringa.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres but further rainfall is forecast and the situation will continue to be monitored.

Next Issue:
The next warning will be issued around 7pm Friday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.15m steady	06:00 AM FRI 07/01/11
Three Moon Ck at Monto *	3.53m falling	08:10 AM FRI 07/01/11
Burnett R at Ceratodus *	6.78m rising	07:00 AM FRI 07/01/11
Nogo R at Wuruma Dam HW *	0.82m rising	12:00 PM THU 06/01/11
Burnett R at Eidsvold Br	7.7m rising slowly	06:00 AM FRI 07/01/11
Boyne R at Boondooma Dam *	0.57m steady	06:00 AM FRI 07/01/11
Burnett R at Mundubbera	6.8m steady	06:30 AM FRI 07/01/11
Burnett R at Gayndah Flume *	6.06m falling	08:00 AM FRI 07/01/11
Barker Ck at Bjelke-Petersen Dam *	0.79m steady	06:00 AM FRI 07/01/11
Barambah Ck at Joe Sippel Weir HW *	2.63m falling	06:20 AM FRI 07/01/11
Barambah Ck at Ficks Crossing *	6.8m rising	06:20 AM FRI 07/01/11
Barambah Ck at Stonelands *	7.25m steady	06:00 AM FRI 07/01/11
Burnett R at Mt Lawless *	5.09m rising	08:00 AM FRI 07/01/11
Burnett R at Walla TM *	9.03m rising	07:00 AM FRI 07/01/11

* deontes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:26 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall continues in the Burnett River catchment during Friday evening. Minor to moderate flooding continues in the Burnett River catchment. Major flooding is rising in Barker Creek at Glenmore.

Further rainfall is forecast for Saturday throughout the catchment with moderate to heavy falls possible.

UPPER BURNETT:
Minor flooding continues along Three Moon Creek and Nogo River and on the Upper Burnett River between Ceratodus and Marriages. Minor flooding is easing on Eastern Creek. River levels are expected to begin easing along the upper Burnett River into the weekend.

AUBURN RIVER:
River rises with minor, possibly moderate, flood levels are likely along the Auburn River into the weekend.

BARAMBAH, BARKER AND BOONARA CREEKS:
Major flooding is occurring on Barker Creek at Glenmore where creek levels are nearing a peak and expected to commence falling overnight Friday. Moderate flood levels in Boonara Creek at Ettiewyn are steady with a peak expected during Friday evening. Further small rises and minor flooding is occurring on Barambah Creek between Ficks Crossing and Silverleaf Weir with possible moderate flooding developing overnight Friday.

LOWER BURNETT RIVER:
Minor to moderate flooding extends along the Lower Burnett River from the Gayndah area to Walla with further small rises expected overnight Friday. Moderate flooding is expected to continue between Paradise Dam and Walla over the weekend.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres but further rainfall is forecast and the situation will continue to be monitored.

Next Issue:
The next warning will be issued around 7am Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.3m steady	06:00 PM FRI 07/01/11
Three Moon Ck at Monto *	3.39m rising	06:10 PM FRI 07/01/11
Burnett R at Ceratodus *	6.49m falling	05:00 PM FRI 07/01/11
Nogo R at Wuruma Dam HW *	0.91m rising	09:05 AM FRI 07/01/11
Burnett R at Eidsvold Br	7.78m falling slowly	03:00 PM FRI 07/01/11
Boyne R at Boondooma Dam *	0.57m steady	06:00 AM FRI 07/01/11
Burnett R at Mundubbera	6.7m falling slowly	04:00 PM FRI 07/01/11
Burnett R at Gayndah Flume *	6.01m rising	05:00 PM FRI 07/01/11
Barker Ck at Bjelke-Petersen Dam *	1.03m rising	06:00 PM FRI 07/01/11
Barambah Ck at Joe Sippel Weir HW *	1.71m rising	06:00 PM FRI 07/01/11
Barambah Ck at Ficks Crossing *	7.36m steady	06:00 PM FRI 07/01/11

Barambah Ck at Stonelands *	7.07m falling	02:50 PM FRI 07/01/11
Burnett R at Mt Lawless *	5.15m steady	05:34 PM FRI 07/01/11
Burnett R at Walla TM *	8.88m steady	05:34 PM FRI 07/01/11

* from automatic station

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public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 12:51 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall continues in the Burnett River catchment during Friday evening. Minor to moderate flooding continues in the Burnett River catchment. Major flooding is rising in Barker Creek at Glenmore and in Barambah Creek at Litzows.

Further rainfall is forecast for Saturday throughout the catchment with moderate to heavy falls possible.

UPPER BURNETT:
Minor flooding continues along Three Moon Creek and Nogo River and on the Upper Burnett River between Ceratodus and Marriages. Minor flooding is easing on Eastern Creek. River levels are expected to begin easing along the upper Burnett River into the weekend.

AUBURN RIVER:
River rises with minor, possibly moderate, flood levels are likely along the Auburn River into the weekend.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding is occurring along Barker Creek between Embrey's Bridge and Glenmore with further rises possible as rainfall continues. Major flooding is being recorded in Barambah Creek at Litzows with further rises possible during Saturday morning. Minor to moderate flood levels downstream between Joe Sippel Weir and Silverleaf Weir are expected to continue rising during the early hours of Saturday morning. Moderate flood levels in Boonara Creek at Ettiewyn are currently easing.

LOWER BURNETT RIVER:
Minor to moderate flooding extends along the Lower Burnett River from the Gayndah area to Walla with further small rises expected overnight Friday. Moderate flooding is expected to continue between Paradise Dam and Walla over the weekend.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres but further rainfall is forecast and the situation will continue to

be monitored.

Next Issue:
The next warning will be issued around 7am Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.32m rising	08:55 PM FRI 07/01/11
Three Moon Ck at Monto *	3.52m rising	11:50 PM FRI 07/01/11
Burnett R at Ceratodus *	6.56m rising	11:00 PM FRI 07/01/11
Nogo R at Wuruma Dam HW *	0.91m rising	09:05 AM FRI 07/01/11
Burnett R at Eidsvold Br	7.65m falling slowly	09:00 PM FRI 07/01/11
Boyne R at Boondooma Dam *	0.66m steady	09:10 PM FRI 07/01/11
Burnett R at Mundubbera	6.7m falling slowly	04:00 PM FRI 07/01/11
Burnett R at Gayndah Flume *	6.14m rising	11:40 PM FRI 07/01/11
Barker Ck at Bjelke-Petersen Dam *	1.35m steady	09:20 PM FRI 07/01/11
Barambah Ck at Joe Sippel Weir HW *	2.53m rising	09:30 PM FRI 07/01/11
Barambah Ck at Ficks Crossing *	8.03m rising	09:35 PM FRI 07/01/11
Barambah Ck at Stonelands *	7.9m rising	11:55 PM FRI 07/01/11
Burnett R at Mt Lawless *	5.27m rising	11:14 PM FRI 07/01/11
Burnett R at Walla TM *	8.94m rising	11:00 PM FRI 07/01/11

* from automatic station

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public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:27 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Record major flood levels are occurring along Barambah Creek with a peak
expected this morning. Minor to moderate flooding continues in the Burnett River
catchment.

Further rainfall is forecast for Saturday throughout the catchment with moderate
to heavy falls possible.

UPPER BURNETT:
Minor flooding continues along Three Moon Creek and Nogo River with continued
rises today. Moderate flood levels along the Upper Burnett River at Ceratodus
will continue rising although major flood levels are not expected without
further rainfall.

AUBURN RIVER:
River rises with minor, possibly moderate, flood levels are likely along the
Auburn River this weekend.

BOYNE RIVER

Renewed rises will occur this weekend along the Stuart and Boyne Rivers. Major flood levals are foreacst for Proston today with moderate flood levels at Carters later today. A return to major flood levels of around 7 metres is expected at Cooranga this weekend with major flood levels at Derra.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding is occurring along Barker Creek between Embrey's Bridge and Glenmore with major flood levels along Barambah Creek at Litzows. Record major flood levels at Ficks Crossing are estimated to peak this morning around 11 metres. Higher levels are possible. Major flood levels are expected later today at Stonelands of at least 12 metres.

Moderate flood levels in Boonara Creek at Ettiewyn are continuing with further rises possible to major flood levels of 9 metres. At least minor flood levels of 7 metres are expected at Brian Pastures overnight Saturday.

LOWER BURNETT RIVER:
Minor flooding extends along the Lower Burnett River from the Mundubbera to Gayndah and will continue through Saturday. Moderate flooding is expected between Mt Lawless and Walla over the weekend with a peak at walla of at least 9.5 metres.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres.

Next Issue:
The next warning will be issued around 1pm Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.34m steady	03:30 AM SAT 08/01/11
Three Moon Ck at Monto *	3.79m falling	05:45 AM SAT 08/01/11
Burnett R at Ceratodus *	6.79m rising	04:00 AM SAT 08/01/11
Nogo R at Wuruma Dam HW *	0.91m rising	09:05 AM FRI 07/01/11
Burnett R at Eidsvold Br	7.65m falling slowly	09:00 PM FRI 07/01/11
Boyne R at Boondooma Dam *	0.66m steady	09:10 PM FRI 07/01/11
Burnett R at Mundubbera	6.7m falling slowly	04:00 PM FRI 07/01/11
Burnett R at Gayndah Flume *	6.16m steady	05:00 AM SAT 08/01/11
Barambah Ck at Ficks Crossing *	9.91m rising	06:00 AM SAT 08/01/11
Barambah Ck at Stonelands *	8.31m rising	02:55 AM SAT 08/01/11
Burnett R at Mt Lawless *	5.47m rising	05:00 AM SAT 08/01/11
Burnett R at Walla TM *	9.04m rising	05:00 AM SAT 08/01/11

*automatic station

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES

Issued at 12:43 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Record major flood levels are occurring along Barambah Creek. Very fast rises are associated with this flood.

Minor to moderate flooding continues in the Burnett River catchment. Further rainfall is forecast for Saturday in the catchment.

UPPER BURNETT:
Minor flooding continues along Three Moon Creek and Nogo River with continued rises today. Moderate flood levels along the Upper Burnett River at Ceratodus will continue rising although major flood levels are not expected without further rainfall.

AUBURN RIVER:
River rises with minor, possibly moderate, flood levels are likely along the Auburn River this weekend. Minor flooding is occurring along Cadarga Creek at Brovinia with further rises to 6 metres likely today.

BOYNE RIVER
Renewed rises will occur this weekend along the Stuart and Boyne Rivers. Major flood levals are foreacst for Proston today with minor flood levels at Carters later today. A return to major flood levels of around 7 metres is expected at Cooranga this weekend with major flood levels at Derra.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding is occurring along Barker Creek between Embrey's Bridge and Glenmore with major flood levels along Barambah Creek at Litzows. Record major flood levels at Ficks Crossing peaked this morning at 11.1 metres. Major flood levels are expected later today at Stonelands of over 12 metres. Extremely fast rises are associated with this flood along Barambah Creek.

Moderate flood levels in Boonara Creek at Ettiewyn are continuing with further rises possible to major flood levels of 9 metres.

Moderate flood levels of 8 metres are forecast at Brian Pastures overnight Saturday, with rises above 8 metres possible.

LOWER BURNETT RIVER:
Minor flooding extends along the Lower Burnett River from Mundubbera to Gayndah and will continue through Saturday. Moderate flooding is expected between Mt Lawless and Walla over the weekend with a peak at walla of at least 10.5 metres early next week.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres.

Next Issue:
The next warning will be issued around 7pm Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.34m steady	06:00 AM SAT 08/01/11
Three Moon Ck at Monto *	3.49m falling	11:30 AM SAT 08/01/11
Burnett R at Ceratodus *	6.97m falling	12:00 PM SAT 08/01/11
Burnett R at Eidsvold Br	7.57m falling slowly	09:00 AM SAT 08/01/11
Boyne R at Boondooma Dam *	1.03m rising	06:20 AM SAT 08/01/11
Burnett R at Mundubbera	6.8m rising slowly	09:00 AM SAT 08/01/11
Burnett R at Gayndah Flume *	6.07m falling	11:00 AM SAT 08/01/11
Barker Ck at Bjelke-Petersen Dam *	1.6m rising	08:50 AM SAT 08/01/11
Barambah Ck at Joe Sippel Weir HW *	3.1m falling	06:40 AM SAT 08/01/11

Barambah Ck at Ficks Crossing *	10.51m falling	11:00 AM SAT 08/01/11
Barambah Ck at Stonelands *	10.2m rising	11:55 AM SAT 08/01/11
Burnett R at Mt Lawless *	6.02m rising	11:20 AM SAT 08/01/11
Burnett R at Walla TM *	9.14m rising	11:00 AM SAT 08/01/11

*automatic station

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public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:54 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Record major flood levels are occurring along Barambah Creek. Very fast rises continue to be associated with this flood. Further rainfall is forecast overnight Saturday and during Sunday.

Minor to moderate flooding continues in the remainder of the Burnett River catchment, with river levels at Bundaberg expected to remain below minor.

UPPER BURNETT CATCHMENT:
Stream rises continue across the upper Burnett catchment, with minor flooding occurring in Three Moon Creek and along the Nogo River to Wuruma Dam. Moderate flooding is easing in the Burnett River at Ceratodus with minor flooding also easing downstream at Eidsvold.

AUBURN RIVER:
River rises with minor, possibly moderate, flood levels are likely along the Auburn River this weekend. Minor flooding continues in Cadarga Creek at Brovinia.

STUART AND BOYNE RIVERS:
Moderate flooding has peaked in the Stuart River at Proston. River levels continue to rise along the Boyne River with minor flooding expected at Carters during this evening. Minor to moderate flooding continues to rise downstream between Dunollie and Derra, where levels are expected to exceed the major overnight and during the weekend.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues along Barker, Barambah and Boonara Creeks.

Moderate flooding continues in Barambah Creek at Ficks Crossing and at Silverleaf Weir. However moderate flooding is rising at Stonelands with record major flood levels in excess of 12 metres expected overnight.

Major flooding is easing in Boonara Creek at Ettiewyn, following a peak of 10.34

metres recorded at midday Saturday.

Moderate flooding is expected during this evening at Brian Pastures in Barambah Creek, with rises up to 9 metres possible. At 5pm Saturday the creek level was 7.9 metres and rising with minor flooding.

LOWER BURNETT RIVER:
Slow river rises and minor flooding extends along the lower Burnett River from Mundubbera to Gayndah, with minor flood levels to continue through the weekend. Moderate flooding extends between Mt Lawless and Walla, with moderate flood levels to similarly continue over the weekend.

Flood levels at Bundaberg are expected to remain below the minor flood level of 3.5 metres.

Weather Forecast:
Rain areas and local thunder with some moderate to heavy falls in the southeast.

Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.32m steady	06:00 PM SAT 08/01/11
Three Moon Ck at Monto *	3.88m steady	06:10 PM SAT 08/01/11
Burnett R at Ceratodus *	6.66m falling	05:00 PM SAT 08/01/11
Burnett R at Eidsvold Br	7.6m steady	03:00 PM SAT 08/01/11
Burnett R at Mundubbera	7.1m rising	03:00 PM SAT 08/01/11
Burnett R at Gayndah Flume *	6.21m rising	05:30 PM SAT 08/01/11
Barker Ck at Bjelke-Petersen Dam *	1.59m steady	06:00 PM SAT 08/01/11
Barambah Ck at Joe Sippel Weir HW *	2.81m steady	06:00 PM SAT 08/01/11
Barambah Ck at Ficks Crossing *	10.02m steady	06:00 PM SAT 08/01/11
Barambah Ck at Stonelands *	11.25m rising	05:50 PM SAT 08/01/11
Burnett R at Mt Lawless *	6.47m rising	05:20 PM SAT 08/01/11
Burnett R at Walla TM *	9.48m rising	05:30 PM SAT 08/01/11
Burnett R at Bundaberg	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 8:44 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along Barambah Creek.

Major flooding is forecast along the lower Burnett between Mt Lawless and Walla during the next 24 hours. Minor flooding around 4 metres is possible at Bundaberg coinciding with the noon high tide on Monday.

Further rainfall is forecast for today.

UPPER BURNETT CATCHMENT:
Minor flooding is continuing in the Upper Burnett with river levels expected to fall slowly during Sunday.

STUART AND BOYNE RIVERS:
Moderate flooding continues to ease in the Stuart River at Proston. Major flooding continues to rise between Cooranga and Derra, with peaks expected during this afternoon and evening.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues along Barker, Barambah and Boonara Creeks.

Flood levels in Barambah Creek are easing but further heavy rainfall is expected during today.

Moderate to major flooding is easing in Boonara Creek. Further heavy rainfall is forecast for today leading to possible further rises.

Major flooding will continue through Sunday at Brian Pastures in Barambah Creek. At 10pm Saturday the creek was at 9.2 metres and rising slowly.

LOWER BURNETT RIVER:
Minor flooding is continuing along the lower Burnett River from Mundubbera to Gayndah during today. Major flooding is peaking at Mt Lawless around current levels. Major flooding will occur between Mt Lawless and Walla during tonight and into Monday. Walla is expected to peak at around 12.5 metres overnight.

Flood levels at Bundaberg could peak around 4 metres with the noon high tide on Monday.

Predicted River Heights/Flows:
Walla: Peak around 12.5 metres overnight.
Bundaberg: Possibly peak around 4 metres with high tide on Monday.

Weather Forecast:
Rain areas and local thunder with some moderate to heavy falls in the southeast.

Next Issue:
The next warning will be issued at about 6pm Sunday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.29m steady	06:00 AM SUN 09/01/11
Three Moon Ck at Monto *	3.86m falling	07:10 AM SUN 09/01/11
Burnett R at Ceratodus *	6.17m falling	06:00 AM SUN 09/01/11
Burnett R at Eidsvold Br	6.95m falling slowly	09:00 AM SUN 09/01/11
Auburn R at Glenwood *	2.82m falling	06:00 AM SUN 09/01/11
Boyne R at Boondooma Dam *	1.5m steady	06:00 AM SUN 09/01/11
Burnett R at Mundubbera	7.55m rising	06:00 AM SUN 09/01/11
Burnett R at Gayndah Flume *	6.6m rising	06:10 AM SUN 09/01/11
Barker Ck at Bjelke-Petersen Dam *	1.53m falling	06:40 AM SUN 09/01/11
Barambah Ck at Joe Sippel Weir HW *	2.46m steady	06:00 AM SUN 09/01/11
Barambah Ck at Ficks Crossing *	8.98m falling	06:15 AM SUN 09/01/11

Barambah Ck at Stonelands *	12.04m steady	06:00 AM SUN 09/01/11
Burnett R at Mt Lawless *	8.12m steady	06:22 AM SUN 09/01/11
Burnett R at Walla TM *	10.78m rising	06:00 AM SUN 09/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:12 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along Barker and Barambah Creeks.

A major flood peak is forecast for the lower Burnett River at Walla overnight Sunday. Minor flooding around 4 metres is possible at Bundaberg coinciding with the noon high tide on Monday.

Further rainfall is forecast for in the southern reaches of the Burnett River catchment.

UPPER BURNETT CATCHMENT:
Minor flooding is continuing in the Upper Burnett with river levels expected to fall slowly overnight Sunday.

STUART AND BOYNE RIVERS:
River level rises are being recorded in the upper Stuart River at Weens Bridge with minor flooding easing downstream at Proston. Major flooding continues to rise between Cooranga and Derra, with peaks expected overnight Sunday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues in Barker Creek between Embrey's Bridge and Glenmore. Moderate to major flood levels in Barambah Creek are easing with small renewed rises causing minor flooding are being recorded at Litzows. Major flooding is easing in Boonara Creek.

Major flood levels have peaked during Sunday at Brian Pastures in Barambah Creek. At 3pm Sunday the creek was at 8.35 metres and easing.

LOWER BURNETT RIVER:
Minor flooding is continuing along the lower Burnett River from Mundubbera to Gayndah during today. River levels at Mt Lawless recorded a major flood peak during Sunday with moderate flood levels currently easing. Major flooding at Walla will peak overnight tonight at around 12.5 metres.

A minor flood peak is expected at Bundaberg with the noon high tide on Monday.

Predicted River Heights/Flows:
BURNETT RIVER at:

Walla: Peak around 12.5 metres overnight.

Bundaberg: Peak around 4 metres with noon high tide on Monday.

Weather Forecast:
Rain areas and local thunder, mostly in southern parts, with some moderate to heavy falls.

Next Issue:
The next warning will be issued at about 7am Monday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.27m steady	03:40 PM SUN 09/01/11
Three Moon Ck at Monto *	3.08m falling	04:05 PM SUN 09/01/11
Burnett R at Ceratodus *	6.45m rising	04:00 PM SUN 09/01/11
Burnett R at Eidsvold Br	6.65m falling slowly	03:00 PM SUN 09/01/11
Auburn R at Glenwood *	2.84m rising	04:00 PM SUN 09/01/11
Boyne R at Boondooma Dam *	1.5m steady	06:00 AM SUN 09/01/11
Burnett R at Mundubbera	7.38m falling slowly	03:00 PM SUN 09/01/11
Burnett R at Gayndah Flume *	6.59m falling	04:20 PM SUN 09/01/11
Barker Ck at Bjelke-Petersen Dam *	1.59m rising	02:30 PM SUN 09/01/11
Barambah Ck at Joe Sippel Weir HW *	2.55m rising	02:40 PM SUN 09/01/11
Barambah Ck at Ficks Crossing *	8.78m rising	02:50 PM SUN 09/01/11
Barambah Ck at Stonelands *	11.74m falling	08:40 AM SUN 09/01/11
Burnett R at Mt Lawless *	7.79m falling	04:20 PM SUN 09/01/11
Burnett R at Walla TM *	12.12m falling	04:20 PM SUN 09/01/11
Burnett R at Bundaberg	2.8m rising	12:45 PM SUN 09/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:22 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along Barker and Barambah Creeks and in the boyne catchment.

A major flood peak is forecast for the lower Burnett River at Walla overnight Sunday. Minor flooding around 4 metres is possible at Bundaberg coinciding with

the noon high tide on Monday.

Further rainfall is forecast for in the southern areas of the Burnett River catchment.

UPPER BURNETT CATCHMENT:
Minor flooding is continuing in the Upper Burnett with river levels expected to fall slowly during Monday.

STUART AND BOYNE RIVERS:
River level rises are being recorded in the upper Stuart River at Weens Bridge. a return to major flood levels is expected at Carters today and is possible at Proston where moderate flood levels are rising this morning. Major flooding continues between Cooranga and Derra, with a peak currently around Derra. Renewed rises will occur over the next 48 hours.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues in Barker Creek between Embrey's Bridge and Glenmore. Moderate to major flood levels in Barambah Creek are easing with renewed rises causing moderate flooding are being recorded at Litzows. Major flood levels are not expected at this stage at Liztows. A return to major flood levels is expected at Ficks Crossing today of just above 9 metres. Major flooding is easing in Boonara Creek.

Major flood levels have peaked during Sunday at Brian Pastures in Barambah Creek. At 6pm Sunday the creek was at 8 metres and falling.

Further heavy rainfall is forecast for Monday in the Barambah Creek catchment.

LOWER BURNETT RIVER:
Minor flooding will continue along the lower Burnett River from Mundubbera to Gayndah during today. River levels at Mt Lawless recorded a major flood peak during Sunday with moderate flood levels currently easing. Major flooding at Walla peaked overnight at 12.4 metres.

A minor flood peak is expected at Bundaberg with the noon high tide on Monday.

Predicted River Heights/Flows:
BURNETT RIVER at:

Bundaberg: Peak around 4 metres with noon high tide on Monday.

Weather Forecast:
Rain areas and local thunder, mostly in southern parts, with some moderate to heavy falls.

Next Issue:
The next warning will be issued at about 7pm Monday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.25m steady	12:00 AM MON 10/01/11
Three Moon Ck at Monto *	2.5m falling	05:50 AM MON 10/01/11
Burnett R at Ceratodus *	6.29m rising	06:00 AM MON 10/01/11
Burnett R at Eidsvold Br	6.52m falling slowly	06:00 AM MON 10/01/11
Auburn R at Glenwood *	3.16m steady	05:00 AM MON 10/01/11
Burnett R at Mundubbera	7.38m falling slowly	03:00 PM SUN 09/01/11
Burnett R at Gayndah Flume *	6.26m falling	05:00 AM MON 10/01/11
Barker Ck at Bjelke-Petersen Dam *	1.75m rising	10:40 PM SUN 09/01/11
Barambah Ck at Joe Sippel Weir HW *	2.69m rising	06:00 PM SUN 09/01/11
Barambah Ck at Ficks Crossing *	8.88m steady	06:25 PM SUN 09/01/11

Barambah Ck at Stonelands *	9.83m falling	05:15 AM MON 10/01/11
Burnett R at Mt Lawless *	6.7m steady	05:00 AM MON 10/01/11
Burnett R at Walla TM *	12.18m falling	05:00 AM MON 10/01/11
Burnett R at Bundaberg	3.25m rising slowly	09:00 PM SUN 09/01/11

*automatic station

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public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:30 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of between 50-60mm have been recorded since 9am Monday in the Auburn River catchment. Localised totals in excess of 100mm has been recorded in the bottom of the Boyne River in the Cooranga area. Large river level rises and major flooding are being recorded along the Auburn River catchment and also at the bottom of the Boyne River catchment and are expected to continue overnight Monday.

Moderate to major flooding continues along Barker and Barambah Creek catchments.

UPPER BURNETT CATCHMENT:
Minor flooding is continuing in the Upper Burnett with river levels expected to fall slowly during Monday.

STUART AND BOYNE RIVERS:
River level rises have peaked in the upper Stuart River at Weens Bridge and in the Boyne River at Carters, with major flood levels in the Proston area continuing to rise. River level rises are being recorded in lower Boyne River in the Cooranga area as a result of rainfall in excess of 100mm recorded since 9am Monday, with rapid rises likely to continue tonight. Renewed rises are expected in the Derra area with strong river rises and high major flooding expected during the next 24 hours.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues in Barker Creek between Embrey's Bridge and Glenmore. Moderate to major flood levels in Barambah Creek are easing. Major flood levels at Ficks Crossing are continuing to rise with a peak expected overnight Monday. Minor flooding is easing in Boonara Creek.

LOWER BURNETT RIVER:
Minor to moderate flood levels are easing along the lower Burnett River from Gayndah to the Walla area overnight tonight. Major flooding at Walla peaked during overnight Sunday at 12.4 metres.

A minor flood peak around the 4 metre level was recorded at Bundaberg with the

noon high tide on Monday.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times. Local moderate falls possible.

Next Issue:
The next warning will be issued at about 11pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.22m steady	06:00 PM MON 10/01/11
Three Moon Ck at Monto *	2.41m steady	06:00 PM MON 10/01/11
Burnett R at Ceratodus *	5.86m rising	05:40 PM MON 10/01/11
Nogo R at Wuruma Dam HW *	0.43m steady	06:00 PM MON 10/01/11
Burnett R at Eidsvold Br	6.1m steady	03:00 PM MON 10/01/11
Auburn R at Glenwood *	4.39m rising	05:40 PM MON 10/01/11
Boyne R at Boondooma Dam *	1.37m steady	06:00 AM MON 10/01/11
Burnett R at Mundubbera	6.87m falling slowly	03:00 PM MON 10/01/11
Burnett R at Gayndah Flume *	6.23m rising	05:40 PM MON 10/01/11
Barker Ck at Bjelke-Petersen Dam *	2.21m rising	06:20 PM MON 10/01/11
Barambah Ck at Joe Sippel Weir HW *	2.8m falling	12:30 PM MON 10/01/11
Barambah Ck at Ficks Crossing *	9.73m rising	06:30 PM MON 10/01/11
Barambah Ck at Stonelands *	10.02m rising	05:50 PM MON 10/01/11
Burnett R at Mt Lawless *	6.12m steady	05:41 PM MON 10/01/11
Burnett R at Walla TM *	11.03m falling	05:20 PM MON 10/01/11
Burnett R at Bundaberg	4m steady	03:00 PM MON 10/01/11

* from automatic station

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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 7:36 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of between 50-60mm have been recorded since 9am Monday in the Auburn River catchment. Localised totals in excess of 100mm has been recorded in the bottom of the Boyne River in the Cooranga area. Large river level rises and major flooding are being recorded along the Auburn River catchment and also at the bottom of the Boyne River catchment and are expected to continue overnight Monday.

Moderate to major flooding continues along Barker and Barambah Creek catchments.

UPPER BURNETT CATCHMENT:
Minor flooding is continuing in the Upper Burnett with river levels expected to

fall slowly during Monday.

STUART AND BOYNE RIVERS:
River level rises have peaked in the upper Stuart River at Weens Bridge and in the Boyne River at Carters, with major flood levels in the Proston area continuing to rise. River level rises are being recorded in lower Boyne River in the Cooranga area as a result of rainfall in excess of 100mm recorded since 9am Monday, with rapid rises likely to continue tonight. Renewed rises are expected in the Derra area with strong river rises and high major flooding expected during the next 24 hours.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues in Barker Creek between Embrey's Bridge and Glenmore. Moderate to major flood levels in Barambah Creek are easing. Major flood levels at Ficks Crossing are continuing to rise with a peak expected overnight Monday. Minor flooding is easing in Boonara Creek.

LOWER BURNETT RIVER:
Minor to moderate flood levels are easing along the lower Burnett River from Gayndah to the Walla area overnight tonight. Major flooding at Walla peaked during overnight Sunday at 12.4 metres.

A minor flood peak around the 4 metre level was recorded at Bundaberg with the noon high tide on Monday.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times. Local moderate falls possible.

Next Issue:
The next warning will be issued at about 11pm Monday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.22m steady	06:00 PM MON 10/01/11
Three Moon Ck at Monto *	2.41m steady	06:00 PM MON 10/01/11
Burnett R at Ceratodus *	5.99m rising	06:30 PM MON 10/01/11
Nogo R at Wuruma Dam HW *	0.43m steady	06:00 PM MON 10/01/11
Burnett R at Eidsvold Br	6.1m steady	03:00 PM MON 10/01/11
Auburn R at Glenwood *	4.84m rising	06:30 PM MON 10/01/11
Boyne R at Boondooma Dam *	1.37m steady	06:00 AM MON 10/01/11
Burnett R at Mundubbera	6.87m falling slowly	03:00 PM MON 10/01/11
Burnett R at Gayndah Flume *	6.41m rising	06:20 PM MON 10/01/11
Barker Ck at Bjelke-Petersen Dam *	2.21m rising	06:20 PM MON 10/01/11
Barambah Ck at Joe Sippel Weir HW *	2.8m falling	12:30 PM MON 10/01/11
Barambah Ck at Ficks Crossing *	9.73m rising	06:30 PM MON 10/01/11
Barambah Ck at Stonelands *	10.02m rising	05:50 PM MON 10/01/11
Burnett R at Mt Lawless *	6.17m rising	06:06 PM MON 10/01/11
Burnett R at Walla TM *	10.95m falling	06:30 PM MON 10/01/11
Burnett R at Bundaberg	4m steady	03:00 PM MON 10/01/11

* from automatic station

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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 11:22 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls of between 50-60mm have been recorded since 9am Monday in the Auburn River catchment. Localised totals in excess of 110mm have been recorded in the bottom of the Boyne River in the Cooranga area. River level rises causing major flooding are being recorded along the Auburn River and also at the bottom of the Boyne River catchment. Further rises are expected to continue overnight Monday.

Moderate to major flooding continues along Barker and Barambah Creek catchments.

UPPER BURNETT CATCHMENT:
Minor flooding is continuing in the Upper Burnett with river levels expected to fall slowly into Tuesday.

STUART AND BOYNE RIVERS:
River level rises have peaked in the upper Stuart River at Weens Bridge. Moderate to major flood levels continue to rise in the Boyne River at Carters and in the Stuart River at Proston.

Fast river level rises are being recorded in lower Boyne River between Cooranga and Derra as a result of rainfall in excess of 100mm recorded since 9am Monday, with rapid rises expected to continue overnight Monday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Moderate to major flooding continues in Barker Creek between Embrey's Bridge and Glenmore. Moderate to major flood levels in Barambah Creek are easing. Major flood levels at Ficks Crossing are continuing to rise with a peak expected overnight Monday. Minor flooding is easing in Boonara Creek.

LOWER BURNETT RIVER:
Renewed rises to moderate flood level are expected in the Burnett River at Mundubbera and Gayndah during Tuesday and Wednesday.

Minor flood levels at Bundaberg continue to fall following a peak of about 4 metres recorded with the noon high tide on Monday. Renewed rises to minor flood level are expected later in the week. Predictions will be updated as upstream peaks are observed.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times. Local moderate falls possible.

Next Issue:
The next warning will be issued at about 8am Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.22m steady	06:00 PM MON 10/01/11
Three Moon Ck at Monto *	2.45m rising	08:05 PM MON 10/01/11
Burnett R at Ceratodus *	6.29m falling	09:30 PM MON 10/01/11
Nogo R at Wuruma Dam HW *	0.43m steady	09:00 PM MON 10/01/11
Burnett R at Eidsvold Br	6.45m rising	09:00 PM MON 10/01/11
Auburn R at Glenwood *	5.6m rising	09:20 PM MON 10/01/11

Boyne R at Boondooma Dam *	1.37m steady	06:00 AM MON 10/01/11
Burnett R at Mundubbera	6.87m falling slowly	03:00 PM MON 10/01/11
Burnett R at Gayndah Flume *	7.01m rising	09:00 PM MON 10/01/11
Barker Ck at Bjelke-Petersen Dam *	2.24m steady	08:50 PM MON 10/01/11
Barambah Ck at Joe Sippel Weir HW *	2.8m falling	12:30 PM MON 10/01/11
Barambah Ck at Ficks Crossing *	9.73m rising	06:30 PM MON 10/01/11
Barambah Ck at Stonelands *	10.29m rising	08:55 PM MON 10/01/11
Burnett R at Mt Lawless *	6.57m rising	09:00 PM MON 10/01/11
Burnett R at Walla TM *	10.81m falling	09:00 PM MON 10/01/11
Burnett R at Bundaberg	3.72m falling slowly	09:00 PM MON 10/01/11

* from automatic station

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 5:49 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Fast river level rises and moderate to major flooding are occurring across the upper reaches of the Auburn, Stuart and Boyne Rivers and the Barker and Barambah Creek catchments during Tuesday morning. Further rises are expected to continue during Tuesday.

Moderate flooding is occurring downstream from Mundubbera along the lower Burnett River. Whilst minor flood levels are easing at Bundaberg during today, further renewed rises during Wednesday will result in minor flooding to persist during the remainder of this week.

UPPER BURNETT CATCHMENT:
Minor flooding continues to generally ease in the upper Burnett catchment, with river levels expected to fall slowly during Tuesday.

AUBURN RIVER:
Minor flooding is easing in the Auburn River. Heavy rainfall overnight however has resulted in major flooding at Brovinia in Cadarga Creek, where at 2:30am Tuesday the creek level was at 14.36 metres.

STUART AND BOYNE RIVERS:
Fast river level rises are occurring in the Stuart and Boyne Rivers with moderate to major flooding continuing to rise in the Boyne River at Carters and in the Stuart River at Proston.

Major flooding is expected to rapidly develop downstream in the Boyne River at Dunollie during Tuesday. Whilst major flood levels are currently nearing a peak along the Boyne River between Cooranga and Derra, fast renewed rises are expected during Tuesday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Major flooding is occurring in the upper reaches of Barker Creek between Embreys Bridge and Glenmore. Fast rises and major flooding is occurring in Barambah Creek at Litzows, where at 4:20am Tuesday the creek level was 12.06 metres and rising. Moderate to major flooding extends along Barambah Creek between Ficks Crossing and Stonelands, with strong creek rises to continue during Tuesday which will result in higher levels during Tuesday. Minor flooding continues in Boonara Creek at Ettiewyn.

LOWER BURNETT RIVER:
Renewed rises to moderate flood level are expected in the lower Burnett River at Mundubbera and Gayndah during today and Wednesday.

Minor flooding will continue to ease during Tuesday at Bundaberg. Further renewed rises and minor flooding is expected at Bundaberg during Wednesday which will maintain high river levels through to the remainder of the week. Predictions will be updated as upstream peaks are observed.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times. Some moderate falls possible in southern parts.

Next Issue:
The next warning will be issued at about 11am Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.21m steady	12:00 AM TUE 11/01/11
Three Moon Ck at Monto *	2.27m falling	05:10 AM TUE 11/01/11
Burnett R at Ceratodus *	5.81m rising	04:20 AM TUE 11/01/11
Nogo R at Wuruma Dam HW *	0.44m steady	05:00 AM TUE 11/01/11
Burnett R at Eidsvold Br	6.45m rising	09:00 PM MON 10/01/11
Auburn R at Glenwood *	5.05m falling	04:00 AM TUE 11/01/11
Boyne R at Boondooma Dam *	2.45m rising	11:40 PM MON 10/01/11
Burnett R at Mundubbera	6.87m falling slowly	03:00 PM MON 10/01/11
Burnett R at Gayndah Flume *	7.18m rising	04:10 AM TUE 11/01/11
Barker Ck at Bjelke-Petersen Dam *	3.12m rising	05:20 AM TUE 11/01/11
Barambah Ck at Joe Sippel Weir HW *	2.77m rising	05:20 AM TUE 11/01/11
Barambah Ck at Ficks Crossing *	9.71m rising	05:25 AM TUE 11/01/11
Barambah Ck at Stonelands *	11.02m rising	02:55 AM TUE 11/01/11
Burnett R at Mt Lawless *	6.6m steady	04:10 AM TUE 11/01/11
Burnett R at Paradise Dam HW *	NA	
Burnett R at Walla TM *	10.85m rising	04:00 AM TUE 11/01/11
Burnett R at Bundaberg	3.72m falling slowly	09:00 PM MON 10/01/11

* denotes automatic station.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 11:00 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Fast river level rises and moderate to major flooding are occurring across the upper reaches of the Auburn, Stuart and Boyne Rivers and the Barker and Barambah Creek catchments today.

Moderate flooding is occurring downstream from Mundubbera along the lower Burnett River. Whilst minor flood levels are easing at Bundaberg during today, further renewed rises during Wednesday and Thursday are expected to reach at least 5 metres overnight Thursday.

UPPER BURNETT CATCHMENT:
Minor flooding continues to generally ease in the upper Burnett catchment, with river levels expected to fall slowly during Tuesday.

AUBURN RIVER:
Heavy rainfall overnight however has resulted in major flooding at Brovinia in Cadarga Creek, where at 3am Tuesday the creek level peaked at 14.43 metres. Rises are expected in the Auburn River with moderate to major flood levels during Tuesday.

STUART AND BOYNE RIVERS:
Fast river level rises are occurring in the Stuart and Boyne Rivers with moderate to major flooding continuing to rise in the Boyne River at Carters and in the Stuart River at Proston.

Major flooding is expected to rapidly develop downstream in the Boyne River at Dunollie during Tuesday. Whilst major flood levels are currently nearing a peak along the Boyne River between Cooranga and Derra, fast renewed rises are expected during Tuesday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Major flooding is occurring in the upper reaches of Barker Creek between Embreys Bridge and Glenmore. Fast rises and major flooding are occurring in Barambah Creek at Litzows, where at 6am Tuesday the creek level peaked at 13.1 metres. Moderate to major flooding extends along Barambah Creek between Ficks Crossing and Stonelands, with strong creek rises to continue during Tuesday which will result in higher levels. Moderate flooding continues to rise along Boonara Creek at Ettiewyn with major flood levels possible.

LOWER BURNETT RIVER:
Renewed rises to moderate flood level are expected in the lower Burnett River at Mundubbera and Gayndah during today and Wednesday. Levels of at least 14 metres are likely at Mundubbera during Wednesday.

Minor flooding will continue to ease during Tuesday at Bundaberg. Further renewed rises and minor flooding is expected at Bundaberg during Wednesday rising to at least 5 metres overnight Thursday. Predictions will be updated as upstream peaks are observed.

Predicted River Heights/Flows:
Mundubbera: Reach about 14 metres early Wednesday.

Gayndah: Reach about 10 metres during Wednesday.

Walla: Reach about metres during Thursday.

Bundaberg: Reach about 5 metres overnight Thursday.

Next Issue:
The next warning will be issued at about 6pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.2m steady	06:00 AM TUE 11/01/11
Three Moon Ck at Monto *	2.12m falling	09:10 AM TUE 11/01/11
Burnett R at Ceratodus *	5.51m falling	09:30 AM TUE 11/01/11
Nogo R at Wuruma Dam HW *	0.43m steady	09:00 AM TUE 11/01/11
Burnett R at Eidsvold Br	6m falling slowly	09:00 AM TUE 11/01/11
Auburn R at Glenwood *	4.78m falling	09:00 AM TUE 11/01/11
Boyne R at Boondooma Dam *	3.07m rising	06:20 AM TUE 11/01/11
Burnett R at Mundubbera	11.55m rising	09:00 AM TUE 11/01/11
Burnett R at Gayndah Flume *	8.75m rising	09:10 AM TUE 11/01/11
Barker Ck at Bjelke-Petersen Dam *	3.36m rising	06:40 AM TUE 11/01/11
Barambah Ck at Joe Sippel Weir HW *	3.69m rising	06:40 AM TUE 11/01/11
Barambah Ck at Ficks Crossing *	9.74m falling	06:40 AM TUE 11/01/11
Barambah Ck at Stonelands *	11.46m rising	08:10 AM TUE 11/01/11
Burnett R at Mt Lawless *	7.23m rising	08:40 AM TUE 11/01/11
Burnett R at Walla TM *	10.95m rising	09:00 AM TUE 11/01/11
Burnett R at Bundaberg	3.15m falling slowly	09:00 AM TUE 11/01/11

*automatic station

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public and satellite phones.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 12:00 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Fast river level rises and moderate to major flooding are occurring across the upper reaches of the Auburn, Stuart and Boyne Rivers and the Barker and Barambah Creek catchments today.

Moderate flooding is occurring downstream from Mundubbera along the lower Burnett River. Whilst minor flood levels are easing at Bundaberg during today, further renewed rises during Wednesday and Thursday are expected to reach at least 5 metres overnight Thursday.

UPPER BURNETT CATCHMENT:
Minor flooding continues to generally ease in the upper Burnett catchment, with river levels expected to fall slowly during Tuesday.

AUBURN RIVER:
Heavy rainfall overnight however has resulted in major flooding at Brovinia in Cadarga Creek, where at 3am Tuesday the creek level peaked at 14.43 metres.

Rises are expected in the Auburn River with moderate to major flood levels during Tuesday.

STUART AND BOYNE RIVERS:
Fast river level rises are occurring in the Stuart and Boyne Rivers with moderate to major flooding continuing to rise in the Boyne River at Carters and in the Stuart River at Proston.

Major flooding is expected to rapidly develop downstream in the Boyne River at Dunollie during Tuesday. Whilst major flood levels are currently nearing a peak along the Boyne River between Cooranga and Derra, fast renewed rises are expected during Tuesday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Major flooding is occurring in the upper reaches of Barker Creek between Embreys Bridge and Glenmore. Fast rises and major flooding are occurring in Barambah Creek at Litzows, where at 6am Tuesday the creek level peaked at 13.1 metres. Moderate to major flooding extends along Barambah Creek between Ficks Crossing and Stonelands, with strong creek rises to continue during Tuesday which will result in higher levels. Moderate flooding continues to rise along Boonara Creek at Ettiewyn with major flood levels possible.

LOWER BURNETT RIVER:
Renewed rises to moderate flood level are expected in the lower Burnett River at Mundubbera and Gayndah during today and Wednesday. Levels of at least 14 metres are likely at Mundubbera during Wednesday.

Minor flooding will continue to ease during Tuesday at Bundaberg. Further renewed rises and minor flooding is expected at Bundaberg during Wednesday rising to at least 5 metres overnight Thursday. Predictions will be updated as upstream peaks are observed.

Predicted River Heights/Flows:
Mundubbera: Reach about 14 metres early Wednesday.

Gayndah: Reach about 10 metres during Wednesday.

Walla: Reach about 13.5 metres during Thursday.

Bundaberg: Reach about 5 metres overnight Thursday.

Next Issue:
The next warning will be issued at about 6pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.2m steady	06:00 AM TUE 11/01/11
Three Moon Ck at Monto *	2.07m falling	10:40 AM TUE 11/01/11
Three Moon Ck at Abercorn *	NA	
Burnett R at Ceratodus *	5.65m rising	10:20 AM TUE 11/01/11
Nogo R at Wuruma Dam HW *	0.43m steady	11:00 AM TUE 11/01/11
Burnett R at Eidsvold Br	6m falling slowly	09:00 AM TUE 11/01/11
Burnett R at Marriages *	NA	
Auburn R at Glenwood *	4.66m falling	11:00 AM TUE 11/01/11
Boyne R at Boondooma Dam *	3.07m rising	06:20 AM TUE 11/01/11
Burnett R at Mundubbera	11.55m rising	09:00 AM TUE 11/01/11
Burnett R at Gayndah Flume *	9.49m rising	11:50 AM TUE 11/01/11
Burnett R at Gayndah	NA	
Barker Ck at Bjelke-Petersen Dam *	3.96m rising	10:00 AM TUE 11/01/11
Barambah Ck at Joe Sippel Weir HW *	3.69m rising	06:40 AM TUE 11/01/11
Barambah Ck at Ficks Crossing *	9.74m falling	06:40 AM TUE 11/01/11
Barambah Ck at Stonelands *	11.46m rising	08:10 AM TUE 11/01/11
Barambah Ck at Ban Ban *	NA	

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Burnett R at Mt Lawless *           7.75m rising         11:10 AM TUE 11/01/11
Burnett R at Paradise Dam HW *      NA
Burnett R at Walla TM *             10.94m rising        10:00 AM TUE 11/01/11
Burnett R at Bundaberg              3.15m falling slowly 09:00 AM TUE 11/01/11


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 5:50 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is continuing in the Auburn, Stuart and Boyne Rivers
and the Barker and Barambah Creek catchments today.

Minor to moderate flooding is occurring downstream from Mundubbera along the
lower Burnett River. Whilst minor flood levels are easing at Bundaberg during
today, further renewed rises during Wednesday and Thursday are expected to reach
at least 5 metres overnight Thursday.

UPPER BURNETT CATCHMENT:
Minor flooding continues to generally ease in the upper Burnett catchment, with
river levels expected to continue falling slowly during Tuesday.

AUBURN RIVER:
Minor to moderate flooding is continuing in the Auburn River, although river
levels are falling in the Auburn river.

STUART AND BOYNE RIVERS:
Fast river level rises are occurring in the Stuart and Boyne Rivers with
moderate to major flooding continuing to rise in the Boyne River at Carters and
in the Stuart River at Proston.

Major flooding is developing downstream in the Boyne River at Dunollie, Cooranga
and Derra, with stream rises expected to continue overnight Tuesday and into
Wednesday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Major flooding in the Barambah is expected to peak at Bjelke-Petersen Dam and
Ficks Crossing overnight Tuesday.
Moderate to major flooding will continue in the Barambah creek downstream of
Ficks Crossing into Wednesday.

LOWER BURNETT RIVER:
Moderate flooding to Major flooding is continuing in the Burnett River between
Munduberra and Walla, with some renewed rises at Walla expected. .

Minor flooding will continue to ease during Tuesday at Bundaberg. Further
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renewed rises and minor flooding is expected at Bundaberg during Wednesday rising to at least 5 metres overnight Thursday. Predictions will be updated as upstream peaks are observed.

Predicted River Heights/Flows:
Mundubbera: Reach about 14 metres early Wednesday.

Gayndah: Reach about 10 metres during Wednesday.

Walla: Reach about 13.5 metres during Thursday.

Bundaberg: Reach about 5 metres overnight Thursday.

Next Issue:
The next warning will be issued at about 6pm Tuesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.19m steady	12:00 PM TUE 11/01/11
Three Moon Ck at Monto *	1.93m falling	04:10 PM TUE 11/01/11
Burnett R at Ceratodus *	5.47m rising	04:30 PM TUE 11/01/11
Nogo R at Wuruma Dam HW *	0.41m steady	04:00 PM TUE 11/01/11
Burnett R at Eidsvold Br	6m falling slowly	09:00 AM TUE 11/01/11
Auburn R at Glenwood *	4.48m falling	04:00 PM TUE 11/01/11
Boyne R at Boondooma Dam *	3.66m rising	01:30 PM TUE 11/01/11
Burnett R at Mundubbera	12.3m steady	03:00 PM TUE 11/01/11
Burnett R at Gayndah Flume *	10.21m falling	04:20 PM TUE 11/01/11
Barker Ck at Bjelke-Petersen Dam *	4.06m steady	12:00 PM TUE 11/01/11
Barambah Ck at Joe Sippel Weir HW *	3.24m falling	01:30 PM TUE 11/01/11
Barambah Ck at Ficks Crossing *	11.92m falling	01:30 PM TUE 11/01/11
Barambah Ck at Stonelands *	11.25m steady	03:00 PM TUE 11/01/11
Burnett R at Mt Lawless *	8.68m falling	04:10 PM TUE 11/01/11
Burnett R at Walla TM *	11.04m rising	04:00 PM TUE 11/01/11
Burnett R at Bundaberg	3.2m steady	03:00 PM TUE 11/01/11

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TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 9:27 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Stuart and Boyne Rivers and the Barker and Barambah Creek catchments today.

Minor to moderate flooding is occurring downstream from Mundubbera along the lower Burnett River. Minor flood levels are rising at Bundaberg during today, with river levels expected to reach at least 5 metres overnight Thursday.

UPPER BURNETT CATCHMENT:
River levels have eased below minor along the upper Burnett catchment.

AUBURN RIVER:
River levels have eased below minor along the Auburn river.

STUART AND BOYNE RIVERS:
Major flooding continues in the Boyne River between Proston and Derra, where a second flood peak remains in the Proston area. At 8am Wednesday, the river level at Proston was 8.81 metres and commencing to fall. River rises will extend downstream to Derra during today and into Thursday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Creek levels are easing across the upper reaches of the Barker and Barambah Creeks. Major flooding continues to ease in Barambah Creek at Ficks Crossing and Silverleaf. Minor to moderate flood levels are also easing in Boonara Creek between Ettiewyn and Brian Pastures.

LOWER BURNETT RIVER:
Moderate to major flooding is easing slowly during Wednesday morning at Mundubbera and at Gayndah, although some small renewed rises are expected later Wednesday as upstream floodwaters arrive. Major flooding continues to rise between Mt Lawless and Walla.

Minor flood levels are on the rise again during Wednesday morning at Bundaberg, where river levels are expected to reach about 5 metres overnight Thursday. Predictions will be updated as upstream peaks are observed.

Predicted River Heights/Flows:

Mundubbera & Gayndah	Small renewed rises later Wednesday maintaining moderate flood levels into Thursday.
Walla	Reach about 13.5 metres during Thursday.
Bundaberg	Reach about 5 metres overnight Thursday.

Weather Forecast:
Isolated showers and thunderstorms.

Next Issue:
The next warning will be issued at about 6pm Wednesday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.17m steady	06:00 AM WED 12/01/11
Three Moon Ck at Monto *	1.65m falling	08:35 AM WED 12/01/11
Burnett R at Ceratodus *	4.94m rising	08:30 AM WED 12/01/11
Nogo R at Wuruma Dam HW *	0.35m steady	08:00 AM WED 12/01/11
Burnett R at Eidsvold Br	5.25m falling slowly	09:00 AM WED 12/01/11
Auburn R at Glenwood *	3.67m falling	08:15 AM WED 12/01/11
Boyne R at Boondooma Dam *	2.89m falling	06:20 AM WED 12/01/11
Burnett R at Mundubbera	10.75m falling slowly	09:00 AM WED 12/01/11
Burnett R at Gayndah Flume *	9.88m steady	08:00 AM WED 12/01/11
Barambah Ck at Joe Sippel Weir HW *	2.66m falling	06:40 AM WED 12/01/11
Barambah Ck at Ficks Crossing *	10.08m falling	06:25 AM WED 12/01/11
Barambah Ck at Stonelands *	11.33m rising	06:00 PM TUE 11/01/11
Burnett R at Mt Lawless *	9.81m rising	08:20 AM WED 12/01/11
Burnett R at Walla TM *	13.28m falling	08:50 AM WED 12/01/11
Burnett R at Bundaberg	3.65m rising slowly	09:00 AM WED 12/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:08 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Stuart and Boyne Rivers and the
Barker and Barambah Creek catchments today.

Minor to major flooding is occurring downstream from Mundubbera along the lower
Burnett River. Minor flood levels are rising at Bundaberg during today, with
river levels expected to reach at least 5 metres overnight Thursday.

UPPER BURNETT CATCHMENT:
River levels have eased below minor along the upper Burnett catchment.

AUBURN RIVER:
River levels have eased below minor along the Auburn river.

STUART AND BOYNE RIVERS:
Major flooding continues in the Boyne River between Proston and Derra. At 4:30pm
Wednesday, the river level at Proston was 7.411 metres and falling. Renewed
rises are likely to extend downstream to Derra later Wednesday and into
Thursday.

BARAMBAH, BARKER AND BOONARA CREEKS:
Creek levels are easing across the upper reaches of the Barker and Barambah
Creeks. Major flooding continues to ease in Barambah Creek at Ficks Crossing and
Silverleaf. Minor to major flood levels are also easing in Boonara Creek between
Ban Ban and Brian Pastures.

LOWER BURNETT RIVER:
Moderate to major flooding is easing slowly during Wednesday at Mundubbera and
at Gayndah. Major flooding continues to rise between Parad and Walla.

Minor flood levels are on the rise at Bundaberg, where river levels are expected
to reach about 5 metres overnight Thursday. Predictions will be updated as
upstream peaks are observed.

Predicted River Heights/Flows:

Mundubbera & Gayndah	Maintaining minor flood levels into Thursday.
Walla	Reach about 14.5 metres during Thursday.
Bundaberg	Reach about 5 metres overnight Thursday.

Weather Forecast:

Isolated showers and thunderstorms.

Next Issue:
The next warning will be issued at about 8am Thursday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.17m steady	12:00 PM WED 12/01/11
Three Moon Ck at Monto *	1.62m rising	04:00 PM WED 12/01/11
Burnett R at Ceratodus *	4.63m rising	04:20 PM WED 12/01/11
Nogo R at Wuruma Dam HW *	0.33m steady	04:00 PM WED 12/01/11
Burnett R at Eidsvold Br	5.25m falling slowly	09:00 AM WED 12/01/11
Auburn R at Glenwood *	3.3m steady	04:00 PM WED 12/01/11
Boyne R at Boondooma Dam *	2.62m falling	12:20 PM WED 12/01/11
Burnett R at Mundubbera	10.1m falling slowly	03:00 PM WED 12/01/11
Burnett R at Gayndah Flume *	9.44m rising	04:20 PM WED 12/01/11
Barker Ck at Bjelke-Petersen Dam *	3.25m falling	04:00 PM WED 12/01/11
Barambah Ck at Joe Sippel Weir HW *	2.66m falling	06:40 AM WED 12/01/11
Barambah Ck at Ficks Crossing *	10.08m falling	06:25 AM WED 12/01/11
Barambah Ck at Stonelands *	11.33m rising	06:00 PM TUE 11/01/11
Burnett R at Mt Lawless *	10.38m rising	04:20 PM WED 12/01/11
Burnett R at Walla TM *	14.14m rising	04:00 PM WED 12/01/11
Burnett R at Bundaberg	4.2m rising slowly	03:00 PM WED 12/01/11

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 10:25 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Stuart and Boyne Rivers and the
Barker and Barambah Creek catchments today.

Major flooding is occurring downstream along the Burnett River from Mt Lawless
to Walla with moderate flooding expected at Bundaberg during Thursday.

STUART AND BOYNE RIVERS:
Moderate to major flooding continues to ease in the Boyne River between Proston
and Derra.

BARAMBAH, BARKER AND BOONARA CREEKS:
Creek levels are easing across the upper reaches of the Barker and Barambah
Creeks. Major flooding continues to ease in Barambah Creek at Ficks Crossing and
Silverleaf. Minor to major flood levels are also easing in Boonara Creek between
Ban Ban and Brian Pastures.

LOWER BURNETT RIVER:

Major flooding is occurring downstream along the Burnett River from Mt Lawless to Walla. Major flood peaks are expected overnight Wednesday at Paradise Dam and Walla. Moderate flood levels are now expected at Bundaberg during Thursday.

A peak prediction will be provided for Bundaberg when the peak is observed at Walla.

Predicted River Heights/Flows:

Walla Peak over 15 metres during Thursday morning.

Bundaberg Reach 5.5 metres overnight Thursday with further rises.

A peak prediction will be provided for Bundaberg when the peak is observed at Walla.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Auburn R at Glenwood *	3.28m steady	08:00 PM WED 12/01/11
Boyne R at Boondooma Dam *	2.62m falling	12:20 PM WED 12/01/11
Burnett R at Mundubbera	10.1m falling slowly	03:00 PM WED 12/01/11
Burnett R at Gayndah Flume *	9.18m falling	08:50 PM WED 12/01/11
Barker Ck at Bjelke-Petersen Dam *	2.9m falling	09:00 PM WED 12/01/11
Barambah Ck at Joe Sippel Weir HW *	2.66m falling	06:40 AM WED 12/01/11
Barambah Ck at Ficks Crossing *	10.08m falling	06:25 AM WED 12/01/11
Burnett R at Mt Lawless *	9.91m falling	08:10 PM WED 12/01/11
Burnett R at Paradise Dam	71.83m rising	03:00 PM WED 12/01/11
Burnett R at Walla TM *	14.89m rising	08:40 PM WED 12/01/11
Burnett R at Bundaberg	4.6m rising slowly	09:00 PM WED 12/01/11

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 8:28 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues to ease in the Boyne River. Minor to moderate flooding is easing in the Barker and Barambah Creek catchments.

Major flooding is easing downstream along the lower Burnett River from Mt Lawless to Walla, with a moderate flood peak expected at Bundaberg during Thursday afternoon.

STUART AND BOYNE RIVERS:

Stream levels continue to ease in the Stuart and Boyne catchments, with major flooding easing between Cooranga and Derra in the Boyne River.

BARAMBAH, BARKER AND BOONARA CREEKS:
Creek levels continue to ease across the upper reaches of the Barker and Barambah Creeks. Moderate flooding continues to ease in Barambah Creek at Ficks Crossing and Silverleaf. Stream levels continue to ease in Boonara Creek at Ettiewyn and in Barambah Creek at Brian Pastures.

LOWER BURNETT RIVER:
Minor flooding is easing in the lower Burnett River between Mundubbera and Gayndah. Major flooding is easing further downstream from Mt Lawless, where the river level at Walla peaked at 15.37 metres at about 3am Thursday.

A moderate flood peak is now expected at Bundaberg during Thursday afternoon to about 5.75 metres. At 6am Thursday the river level at Bundaberg was 5.25 metres and rising with minor flooding.

Predicted River Heights/Flows:

Bundaberg Exceed 5.5 metres later Thursday morning.
Reach about 5.75 metres (moderate peak) at about 5pm Thursday.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 2pm Thursday.

Latest River Heights:

Burnett R at Eidsvold Br	5.05m steady	09:00 PM WED 12/01/11
Auburn R at Glenwood *	3.77m rising	07:00 AM THU 13/01/11
Boyne R at Boondooma Dam *	1.74m falling	06:20 AM THU 13/01/11
Burnett R at Mundubbera	8.65m falling	06:00 AM THU 13/01/11
Burnett R at Gayndah Flume *	8.11m steady	07:00 AM THU 13/01/11
Barker Ck at Bjelke-Petersen Dam *	2.38m falling	07:00 AM THU 13/01/11
Barambah Ck at Joe Sippel Weir HW *	1.03m falling	06:30 AM THU 13/01/11
Barambah Ck at Ficks Crossing *	8.8m rising	06:25 AM THU 13/01/11
Burnett R at Mt Lawless *	8.4m falling	07:10 AM THU 13/01/11
Burnett R at Walla TM *	15.17m falling	07:30 AM THU 13/01/11
Burnett R at Bundaberg	5.25m rising slowly	06:00 AM THU 13/01/11

* denotes automatic station.

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES

Issued at 1:48 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is easing downstream along the lower Burnett River from Paradise Dam to Walla, with a moderate flood peak expected at Bundaberg later Thursday afternoon.

Major flooding continues to ease in the Boyne River. Minor to moderate flooding is easing in the Barker and Barambah Creek catchments.

STUART AND BOYNE RIVERS:
Stream levels continue to ease in the Stuart and Boyne catchments, with major flooding easing between Cooranga and Derra in the Boyne River.

BARAMBAH, BARKER AND BOONARA CREEKS:
Creek levels continue to ease across the upper reaches of the Barker and Barambah Creeks. In Barambah Creek, moderate flooding continues to ease at Ficks Crossing and Silverleaf, and minor flooding is also easing at Brian Pastures.

LOWER BURNETT RIVER:
Minor flooding is easing in the lower Burnett River between Mundubbera and Gayndah. Moderate to major flooding is easing further downstream from Mt Lawless to Walla. A peak of 15.37 metres was observed at Walla at about 3am Thursday.

The Burnett River at Bundaberg exceeded the moderate flood level [5.5 metres] during Thursday morning, and is expected to peak later Thursday afternoon at about 5.75 metres.

Predicted River Heights/Flows:

Bundaberg Peak at about 5.75 metres (moderate peak) at about 6pm Thursday.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 7pm Thursday.

Latest River Heights:

Burnett R at Eidsvold Br	5.6m rising slowly	09:00 AM THU 13/01/11
Auburn R at Glenwood *	4.11m rising	12:00 PM THU 13/01/11
Boyne R at Boondooma Dam *	1.74m falling	06:20 AM THU 13/01/11
Burnett R at Mundubbera	8.65m falling	06:00 AM THU 13/01/11
Burnett R at Gayndah Flume *	7.72m falling	12:00 PM THU 13/01/11
Barker Ck at Bjelke-Petersen Dam *	2.14m steady	12:00 PM THU 13/01/11
Barambah Ck at Joe Sippel Weir HW *	1.03m falling	06:30 AM THU 13/01/11
Barambah Ck at Ficks Crossing *	8.61m falling	09:00 AM THU 13/01/11
Burnett R at Mt Lawless *	7.9m falling	11:20 AM THU 13/01/11
Burnett R at Walla TM *	14.68m falling	12:10 PM THU 13/01/11
Burnett R at Bundaberg	5.62m rising slowly	12:00 PM THU 13/01/11

* denotes automatic station

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IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:40 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

The Burnett River at Bundaberg is currently reaching a moderate flood peak at 5.75 metres.
Major flooding is easing along the lower Burnett River from Paradise Dam to Walla.

Major flooding continues to ease in the Boyne River. Minor to moderate flooding is easing in the Barker and Barambah Creek catchments.

STUART AND BOYNE RIVERS:
Stream levels continue to ease in the Stuart and Boyne catchments, with major flooding easing between Cooranga and Derra in the Boyne River.

BARAMBAH, BARKER AND BOONARA CREEKS:
Creek levels continue to ease across the upper reaches of the Barker and Barambah Creeks. In Barambah Creek, moderate flooding continues to ease at Ficks Crossing and Silverleaf Weir, and minor flooding is also easing at Brian Pastures.

LOWER BURNETT RIVER:
Minor flooding is easing in the lower Burnett River between Mundubbera and Gayndah. Moderate to major flooding is easing further downstream from Mt Lawless to Walla. A peak of 15.37 metres was observed at Walla at about 3am Thursday, and the level fell below 14 metres at 4:40pm Thursday afternoon.

The Burnett River at Bundaberg is currently reaching a moderate flood peak at 5.75 metres. Further slight rises are possible over the next few hours before levels begin falling Thursday evening.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 8am Friday.

Latest River Heights:

Burnett R at Eidsvold Br	5.6m rising slowly	09:00 AM THU 13/01/11
Auburn R at Glenwood *	4.18m steady	05:00 PM THU 13/01/11
Boyne R at Boondooma Dam *	1.43m falling	01:20 PM THU 13/01/11
Burnett R at Mundubbera	7.95m falling	03:00 PM THU 13/01/11
Burnett R at Gayndah Flume *	7.35m falling	05:00 PM THU 13/01/11
Barker Ck at Bjelke-Petersen Dam *	1.94m falling	04:40 PM THU 13/01/11
Barambah Ck at Joe Sippel Weir HW *	1.03m falling	06:30 AM THU 13/01/11
Barambah Ck at Ficks Crossing *	8.29m rising	01:35 PM THU 13/01/11
Burnett R at Mt Lawless *	7.31m falling	05:20 PM THU 13/01/11
Burnett R at Walla TM *	13.77m falling	06:00 PM THU 13/01/11
Burnett R at Bundaberg	5.75m steady	06:00 PM THU 13/01/11

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public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:57 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease along the lower Burnett River from Mt Lawless to Walla. Minor flooding is easing in the Burnett River at Bundaberg, with river levels expected to continue to ease going into the weekend.

Moderate and major flooding is easing in the upper Burnett and Boyne Rivers, and in the Barambah and Barker Creek catchments.

UPPER BURNETT CATCHMENT:
Minor to moderate flooding is occurring in the upper Burnett River between Ceratodus and the Eidsvold and Marriages areas.

STUART AND BOYNE RIVERS:
Stream levels continue to ease in the Stuart and Boyne catchments. Moderate to major flooding is easing between Cooranga and Derra in the Boyne River.

BARAMBAH AND BARKER CREEKS:
Creek levels continue to ease across the upper reaches of the Barker and Barambah Creeks. In Barambah Creek, minor to moderate flooding continues to ease at Ficks Crossing and Silverleaf Weir, and minor flooding is also easing at Brian Pastures.

LOWER BURNETT RIVER:
Minor flooding continues to ease in the lower Burnett River between Mundubbera and Gayndah. Moderate to major flooding is easing further downstream between Mt Lawless to Walla. At 5am Friday, the river level at Walla was 12.09 metres and falling with major flooding.

Minor flooding is easing in the lower Burnett River at Bundaberg, where at 5:45am Friday the river level was 5.2 metres and falling. A moderate flood peak to 5.76 metres was recorded at 3pm Thursday.

River levels at Bundaberg will continue to ease during today, and then commence to be increasingly affected by the tidal fluctuations during the weekend and into next week as river levels continue to slowly ease.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 7pm Friday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.2m steady	06:00 AM FRI 14/01/11
Three Moon Ck at Monto *	2.03m steady	06:00 AM FRI 14/01/11
Burnett R at Ceratodus *	7.04m steady	05:50 AM FRI 14/01/11

Nogo R at Wuruma Dam HW *	0.3m steady	06:00 AM FRI 14/01/11
Burnett R at Eidsvold Br	7.4m falling slowly	06:00 AM FRI 14/01/11
Auburn R at Glenwood *	3.78m falling	05:00 AM FRI 14/01/11
Boyne R at Boondooma Dam *	0.95m falling	06:00 AM FRI 14/01/11
Burnett R at Mundubbera	7.15m falling	06:00 AM FRI 14/01/11
Burnett R at Gayndah Flume *	6.6m falling	05:00 AM FRI 14/01/11
Barker Ck at Bjelke-Petersen Dam *	1.52m falling	06:00 AM FRI 14/01/11
Barambah Ck at Ficks Crossing *	7.27m falling	06:25 AM FRI 14/01/11
Burnett R at Mt Lawless *	6.34m falling	05:00 AM FRI 14/01/11
Burnett R at Walla TM *	12.09m falling	05:00 AM FRI 14/01/11
Burnett R at Bundaberg	5.2m falling slowly	05:45 AM FRI 14/01/11

* denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 6:47 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease along the lower Burnett River from
Paradise Dam to Walla. Minor flooding is easing in the Burnett River at
Bundaberg, with river levels expected to continue to ease during the weekend.

Minor to moderate flooding is easing in the upper Burnett and Boyne Rivers, and
in the Barambah and Barker Creek catchments.

UPPER BURNETT CATCHMENT:
Minor flooding continues in the upper Burnett River between Ceratodus and
Marriages.

STUART AND BOYNE RIVERS:
Stream levels continue to ease in the Stuart and Boyne catchments. Minor to
moderate flooding is easing between Dunollie and Derra in the Boyne River.

BARAMBAH AND BARKER CREEKS:
In the upper reaches of Barambah Creek, minor to moderate flooding continues to
ease at Ficks Crossing and Silverleaf Weir. Moderate flood levels are easing
slowly in Barker Creek at Glenmore.

LOWER BURNETT RIVER:
Minor flooding continues to ease in the lower Burnett River between Mundubbera
and Mt Lawless. Moderate to major flooding is easing further downstream from
Paradise Dam to Walla.

Minor flooding is easing in the lower Burnett River at Bundaberg, where at
11:30am Friday the river level was 4.7 metres and falling. Minor flood levels at
Bundaberg will continue to fall during the weekend, and fluctuations with the

high and low tides will begin to be observed.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.2m steady	12:00 PM FRI 14/01/11
Three Moon Ck at Monto *	1.83m falling	06:00 PM FRI 14/01/11
Burnett R at Ceratodus *	5.67m falling	05:00 PM FRI 14/01/11
Nogo R at Wuruma Dam HW *	0.27m steady	05:00 PM FRI 14/01/11
Burnett R at Eidsvold Br	6.25m falling slowly	03:00 PM FRI 14/01/11
Auburn R at Glenwood *	3.17m falling	05:00 PM FRI 14/01/11
Boyne R at Boondooma Dam *	0.77m falling	04:30 PM FRI 14/01/11
Burnett R at Mundubbera	7.05m falling slowly	04:00 PM FRI 14/01/11
Burnett R at Gayndah Flume *	6.31m falling slowly	05:30 PM FRI 14/01/11
Barker Ck at Bjelke-Petersen Dam *	1.27m falling	04:30 PM FRI 14/01/11
Barambah Ck at Joe Sippel Weir HW *	0.66m steady	06:00 AM FRI 14/01/11
Barambah Ck at Ficks Crossing *	7.27m falling	06:25 AM FRI 14/01/11
Burnett R at Mt Lawless *	5.53m falling	05:00 PM FRI 14/01/11
Burnett R at Walla TM *	10.58m falling	05:00 PM FRI 14/01/11
Burnett R at Bundaberg	4.7m falling slowly	11:30 AM FRI 14/01/11

* denotes automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20770

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
Issued at 10:04 AM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

The Burnett River at Bundaberg fell below minor flood level overnight Friday and
continues to ease.

BOYNE RIVER and BARAMBAH AND BARKER CREEKS:
Minor flood levels continue to ease in the Boyne River at Dunollie and Cooranga,
and also in the upper reaches of the Barambah Creek. Moderate flood levels are
easing slowly in Barker Creek at Glenmore.

LOWER BURNETT RIVER:
Minor flooding continues to ease in the lower Burnett River in the Paradise Dam
area. Moderate flood levels are easing at Walla.

The Burnett River at Bundaberg fell below minor flood level overnight Friday and
continues to ease.

Weather Forecast:
Isolated showers near the coast.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Three Moon Ck at Cania Dam HW *	0.18m steady	06:00 AM SAT 15/01/11
Three Moon Ck at Monto *	1.64m falling	07:50 AM SAT 15/01/11
Burnett R at Ceratodus *	4.71m falling	08:00 AM SAT 15/01/11
Nogo R at Wuruma Dam HW *	0.23m steady	08:00 AM SAT 15/01/11
Burnett R at Eidsvold Br	5.15m falling slowly	09:00 AM SAT 15/01/11
Auburn R at Glenwood *	2.95m steady	08:00 AM SAT 15/01/11
Boyne R at Boondooma Dam *	0.62m steady	06:00 AM SAT 15/01/11
Burnett R at Mundubbera	5.95m falling	06:00 AM SAT 15/01/11
Burnett R at Gayndah Flume *	5.78m falling	08:00 AM SAT 15/01/11
Barker Ck at Bjelke-Petersen Dam *	1.02m falling	07:40 AM SAT 15/01/11
Barambah Ck at Joe Sippel Weir HW *	0.48m steady	06:00 AM SAT 15/01/11
Barambah Ck at Ficks Crossing *	6.03m falling	06:25 AM SAT 15/01/11
Burnett R at Mt Lawless *	4.89m falling	08:00 AM SAT 15/01/11
Burnett R at Walla TM *	9.29m falling	08:30 AM SAT 15/01/11
Burnett R at Bundaberg	3m falling	06:00 AM SAT 15/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(15)"

FLDWARN for Kolan Baffle Boyne Calliope

1 December 2010 to 31 January 2011

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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE KOLAN RIVER
Issued at 3:15 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels have been observed at Gin Gin with further rises likely as
rainfall continues. Moderate flood levels have been observed at Bucca Weir this
afternoon with major flood levels of 19 metres likely this evening. Continuing
rises should be expected at Gooburrum pump station tonight with moderate flood
levels of 5.5 metres possible as upstream rises continue.

Next Issue:
The next warning will be issued at about 8pm Sunday.

Latest River Heights:
Kolan R at Springfield *        4.3m rising   03:03 PM SUN 12/12/10
Kolan R at Fred Haigh Dam HW *  -1.04m rising 02:10 PM SUN 12/12/10
Gin Gin Ck upstream Gin Gin *   5.23m rising  02:20 PM SUN 12/12/10
Kolan R at Bucca Weir *         18.73m rising 02:05 PM SUN 12/12/10
Kolan R at Gooburrum Pump Stn * 3.96m rising  02:05 PM SUN 12/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE KOLAN RIVER
Issued at 7:43 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises continue at Springfield along the Kolan River with moderate flood
levels likely to exceed 7 metres overnight.

Minor flood levels have been observed along Gin Gin Creek with a peak expected
this evening. Levels are likely to fall overnight.
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Moderate flood levels continue at Bucca Weir this evening with major flood levels of 19 metres possible overnight. Continuing rises should be expected at Gooburrum pump station overnight with major flood levels of 6 metres likely.

Next Issue:
The next warning will be issued at about Noon Monday.

Latest River Heights:

Kolan R at Springfield *	6.49m	rising	06:20 PM SUN 12/12/10
Kolan R at Fred Haigh Dam HW *	-0.9m	rising	05:50 PM SUN 12/12/10
Gin Gin Ck upstream Gin Gin *	5.68m	steady	06:00 PM SUN 12/12/10
Kolan R at Bucca Weir *	18.71m	steady	06:00 PM SUN 12/12/10
Kolan R at Gooburrum Pump Stn *	5.86m	rising	06:05 PM SUN 12/12/10
Baffle Ck at Mimdale *	9.24m	rising	06:50 PM SUN 12/12/10
Boyne R at Milton *	6.2m	rising	06:00 PM SUN 12/12/10
Diglum Ck at Marlua *	2.53m	rising	06:20 AM SUN 12/12/10
Boyne R at Awoonga Dam *	0.32m	rising	06:30 PM SUN 12/12/10
Gladstone Tide *	1.53m	falling	06:50 PM SUN 12/12/10
Calliope R at Castlehope *	6.09m	falling	06:20 PM SUN 12/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE KOLAN RIVER
Issued at 7:17 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

A heavy rain band has cleared the region and is currently lying off the coast, leaving isolated showers and afternoon storms during Monday. Minor flooding continues to ease along the Kolan River between Bucca Weir and Gooburrum.

A minor flood peak was recorded to 6.94 metres at 9pm Sunday on the Kolan River at Springfield, with river levels currently below minor flood level.
Minor flooding continues to ease during Monday morning at Gooburrum, following a major flood peak to 6.14 metres recorded at 10pm Sunday.

River levels are expected to continue to ease during Monday.

Weather Forecast:
Isolated showers and afternoon thunderstorms.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

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Kolan R at Springfield *        5.36m falling  05:30 AM MON 13/12/10
Kolan R at Fred Haigh Dam HW *  -0.45m steady  06:00 AM MON 13/12/10
Kolan R at Monduran             NA
Gin Gin Ck upstream Gin Gin *   3.96m falling  05:00 AM MON 13/12/10
Kolan R at Bucca Weir *         17.77m falling 06:10 AM MON 13/12/10
Kolan R at Gooburrum Pump Stn * 5.42m falling  06:05 AM MON 13/12/10

Baffle Ck at Mimdale *          11.41m rising  05:30 AM MON 13/12/10
Baffle Ck at Essendean Bridge   NA
Boyne R at Milton *             5.26m falling  05:00 AM MON 13/12/10
Boyne R at Awoonga Dam *        0.75m rising   05:00 AM MON 13/12/10
Gladstone Tide *                2.04m falling  05:50 AM MON 13/12/10
Calliope R at Castlehope *      4.5m falling   05:00 AM MON 13/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK
Issued at 10:09 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

The heavy rainfall over the weekend has resulted in stream rises and moderate
flooding in Baffle Creek at Mimdale, with further rises and major flooding
possible. Creek rises downstream from Mimdale can be expected to exceed the
level of Essendean Bridge during Monday afternoon.

The heaviest rainfall totals recorded during the previous 48 hours to 9am Monday
include Miriam Vale 205mm, Mimdale 184mm, and Makowata 160mm.

Weather Forecast:
Isolated showers and afternoon thunderstorms.

Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:
Baffle Ck at Mimdale *          12.47m rising 08:30 AM MON 13/12/10
Baffle Ck at Essendean Bridge   NA
Baffle Ck at Barnetts Road      NA

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK
Issued at 3:51 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring at Mimdale along Baffle Creek. Levels are expected to peak around 15 metres at Mimdale overnight. At Essendean Bridge, rises will reach the bridge level of 6.2 metres this evening and continue to a level of at least 9 metres with a peak expected late Tuesday. Levels are likely to be above the bridge deck at Essendean Bridge until Thursday.

Next Issue:
The next warning will be issued at about 10:30am Tuesday.

Latest River Heights:
Baffle Ck at Mimdale * 13.92m rising 03:00 PM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK
Issued at 9:17 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing at Mimdale on Baffle Creek, following a major flood peak to 14.15 metres recorded at 7pm Monday. Creek levels downstream at Essendean Bridge are expected to be approaching a peak of around 9 metres during Tuesday morning, which would see stream levels approximately 3 metres above the level of the bridge deck. Stream rises are expected to extend downstream to the Barnetts Road area during today.

Creek levels will remain high during the next few days, with stream levels to remain above Essendean Bridge until late on Wednesday.

Weather Forecast:
Isolated showers and thunderstorms in the afternoon and evening.

Next Issue:
The next warning will be issued at about 4pm Tuesday.

Latest River Heights:
Baffle Ck at Mimdale * 13.33m falling 08:00 AM TUE 14/12/10
Baffle Ck at Essendean Bridge NA
Baffle Ck at Barnetts Road NA

* from automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK
Issued at 3:34 PM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing at Mimdale on Baffle Creek, following a major flood peak to 14.15 metres recorded at 7pm Monday. Creek levels downstream at Essendean Bridge are expected to be around a peak of around 9 metres this afternoon, with levels approximately 3 metres above the level of the bridge deck. Stream rises are expected to extend downstream to the Barnetts Road area during today.

Creek levels will remain high during the next few days, with stream levels to remain above Essendean Bridge until Thursday.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:
Baffle Ck at Mimdale * 12.56m falling 03:00 PM TUE 14/12/10
Boyne R at Milton * 2.86m falling 02:00 PM TUE 14/12/10
Boyne R at Awoonga Dam * 0.89m falling 12:00 PM TUE 14/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK
Issued at 10:33 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease at Mimdale on Baffle Creek. Creek levels
downstream at Essendean Bridge are approximately 1.5-2 metres above the level of
the bridge deck and the road is closed. Creek level rises are expected to peak
in the Barnetts Road area during today.

Levels will remain high during the next few days, with creek levels to remain
above Essendean Bridge until Thursday.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:
Baffle Ck at Mimdale *          10.64m falling  06:00 AM WED 15/12/10
Baffle Ck at Essendean Bridge   NA
Baffle Ck at Barnetts Road      NA
Boyne R at Milton *              2.51m falling  08:00 AM WED 15/12/10
Boyne R at Awoonga Dam *         0.83m steady   06:00 AM WED 15/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR BAFFLE CREEK
Issued at 7:25 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.


Flood levels at Mimdale are now below minor. It is estimated that flood levels
at Essendean Bridge will fall below the bridge deck during Thursday.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:
Baffle Ck at Mimdale *          6.98m falling 05:00 AM THU 16/12/10
Baffle Ck at Essendean Bridge   6.8m falling  08:00 AM WED 15/12/10
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*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK
Issued at 11:46 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during the weekend had resulted in rises and minor flooding
occurring at Mimdale in Baffle Creek, with further rises and moderate flooding
expected during Sunday afternoon. Creek levels are also likely to exceed the
level of Essendean Bridge during this afternoon.

Weather Forecast:
Rain possibly easing to showers late in the day from the north. Some moderate to
heavy falls.

Next Issue:
The next warning will be issued at about 5.30pm Sunday.

Latest River Heights:

Kolan R at Springfield *	6.23m rising	10:30 AM SUN 26/12/10
Kolan R at Fred Haigh Dam HW *	1.4m steady	06:00 AM SUN 26/12/10
Kolan R at Monduran	3.5m rising slowly	06:00 AM SUN 26/12/10
Gin Gin Ck upstream Gin Gin *	3.97m rising	10:20 AM SUN 26/12/10
Kolan R at Bucca Weir *	17.24m rising	03:15 AM SUN 26/12/10
Kolan R at Gooburrum Pump Stn *	4.05m rising	11:05 AM SUN 26/12/10
Baffle Ck at Mimdale *	10.65m rising	10:29 AM SUN 26/12/10
Baffle Ck at Essendean Bridge	NA	
Baffle Ck at Barnetts Road	NA	
Boyne R at Milton *	5.57m steady	10:02 AM SUN 26/12/10
Diglum Ck at Marlua *	3.91m steady	06:03 AM SUN 26/12/10
Boyne R at Awoonga Dam *	1.38m rising	08:10 AM SUN 26/12/10
Gladstone Tide *	3.83m rising	11:00 AM SUN 26/12/10
Calliope R at Castlehope *	8.21m rising	10:30 AM SUN 26/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
Issued at 5:37 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is expected to continue rising in the Baffle Creek at Mimdale tonight and Monday. Creek levels are likely to be higher than the level of the Essendean Bridge.

Recent heavy rain has caused minor to moderate flooding in the Kolan River system with continued rising river levels below Fred Haigh Dam causing possible major flooding.

Weather Forecast:
Rain periods with some moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Kolan R at Springfield *	7.4m rising	03:20 PM SUN 26/12/10
Kolan R at Fred Haigh Dam HW *	1.87m rising	01:30 PM SUN 26/12/10
Kolan R at Monduran	5.35m rising fast	03:00 PM SUN 26/12/10
Baffle Ck at Mimdale *	12.42m rising	03:00 PM SUN 26/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
Issued at 8:31 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are expected to continue rising in Baffle Creek at Mimdale during Monday. River levels are Mimdale are now at the highest level since February 2003 levl of 17.51 metres. At 7:30am creek levels at Essendean Bridge

were 9.2 metres and rising which is about 3.0 metres above the level of the Essendean Bridge.

Moderate to major flooding is continuing in the Kolan River. Further rises at Fred Haigh Dam to about 3 metres is expected during the next 24-48 hours.

Weather Forecast:
Rain periods with some moderate to heavy falls.

Next Issue:
The next warning will be issued at about 5pm Monday.

Latest River Heights:

Kolan R at Springfield *	5.85m	falling	06:10 AM MON 27/12/10
Kolan R at Fred Haigh Dam HW *	2.54m	rising	06:00 AM MON 27/12/10
Kolan R at Monduran	6.20m	rising	06:00 AM MON 27/12/10
Gin Gin Ck upstream Gin Gin *	5.41m	falling	07:00 AM MON 27/12/10
Kolan R at Gooburrum Pump Stn *	6.51m	falling	07:15 AM MON 27/12/10
Baffle Ck at Mimdale *	16.24m	rising	07:20 AM MON 27/12/10
Baffle Ck at Essendean Bridge	9.20m	rising	07:30 AM MON 27/12/10
Boyne R at Milton *	5.93m	falling	07:00 AM MON 27/12/10
Diglum Ck at Marlua *	3.09m	falling	06:00 AM MON 27/12/10
Boyne R at Awoonga Dam *	2.74m	steady	07:30 AM MON 27/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
Issued at 4:24 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are approaching a peak of about 16.5 metres in Baffle Creek at Mimdale. River levels are Mimdale are now at the highest level since February 2003 level of 17.51 metres. At 12:30pm creek levels at Essendean Bridge were 9.9 metres and rising which is about 3.7 metres above the level of the Essendean Bridge.

Moderate to major flooding is continuing in the Kolan River. Further rises at Fred Haigh Dam to around 3 metres is expected during the next 24-48 hours.

Weather Forecast:
Rain periods with some moderate to heavy falls.

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Next Issue:
The next warning will be issued at about noon Monday.

Latest River Heights:
Kolan R at Springfield *        4.98m rising   02:48 PM MON 27/12/10
Kolan R at Fred Haigh Dam HW *  2.54m rising   06:00 AM MON 27/12/10
Kolan R at Monduran             6.20m rising   06:00 AM MON 27/12/10
Gin Gin Ck upstream Gin Gin *   4.55m falling  02:00 PM MON 27/12/10
Kolan R at Gooburrum Pump Stn * 5.87m falling  02:05 PM MON 27/12/10

Baffle Ck at Mimdale *         16.48m falling  03:00 PM MON 27/12/10
Baffle Ck at Essendean Bridge   9.90m rising   07:30 AM MON 27/12/10

Boyne R at Milton *             5.20m steady   02:17 PM MON 27/12/10
Diglum Ck at Marlua *           3.09m falling  06:00 AM MON 27/12/10
Boyne R at Awoonga Dam *        2.72m steady   12:00 PM MON 27/12/10

* from automatic station


Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
Issued at 10:39 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are easing in Baffle Creek at Mimdale following a flood peak
of 16.48 metres recorded at 3pm Monday. Small renewed rises will maintain high
creek levels at Mimdale during today and Wednesday. Creek levels are rising
downstream through to Barnetts Road.


Moderate to major flooding is continuing in the Kolan River. Further rises at
Fred Haigh Dam to around 3.6 metres is expected during Wednesday.

Weather Forecast:
Further rain periods, easing this afternoon. Moderate to heavy falls.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:
Kolan R at Springfield *        9.08m steady      09:11 AM TUE 28/12/10
Kolan R at Fred Haigh Dam HW *  3.27m steady      06:00 AM TUE 28/12/10
Kolan R at Monduran             7.85m rising fast 06:00 AM TUE 28/12/10
Gin Gin Ck upstream Gin Gin *   8.52m rising      09:00 AM TUE 28/12/10
Kolan R at Bucca Weir *         NA
Kolan R at Gooburrum Pump Stn * 7.73m rising      09:05 AM TUE 28/12/10
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Baffle Ck at Mimdale *          16.16m steady     09:00 AM TUE 28/12/10
Baffle Ck at Essendean Bridge   9.9m rising       12:30 PM MON 27/12/10
Baffle Ck at Barnetts Road      3.5m rising       09:00 AM TUE 28/12/10

Boyne R at Milton *             7.67m falling     09:11 AM TUE 28/12/10
Diglum Ck at Marlua *           5.84m falling     06:10 AM TUE 28/12/10
Boyne R at Awoonga Dam *        3.91m rising      08:20 AM TUE 28/12/10
Gladstone Tide *                2.09m rising      09:50 AM TUE 28/12/10

Calliope R at Castlehope *      11.89m rising     09:30 AM TUE 28/12/10

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
Issued at 11:19 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are easing in Baffle Creek at Mimdale following a second
flood peak of 16.91 metres recorded at 4am Wednesday. Creek levels will remain
high and above the level of Essendean Bridge until the weekend, with creek
levels remaining steady downstream at Barnetts Road.


Major flooding continues in the Kolan River, where major flood levels will
remain steady at about 3.8 metres at Fred Haigh Dam during Wednesday. Major
flooding is peaking at Monduran with major flooding currently easing downstream
at Gooburrum.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about noon Thursday.

Latest River Heights:
Kolan R at Molangool            NA
Kolan R at Springfield *        5.21m falling      09:00 AM WED 29/12/10
Kolan R at Fred Haigh Dam HW *  3.81m steady       06:00 AM WED 29/12/10
Kolan R at Monduran             9.1m rising slowly 06:00 AM WED 29/12/10
Gin Gin Ck upstream Gin Gin *   4.98m falling      09:00 AM WED 29/12/10
Kolan R at Bucca Weir *         NA
Kolan R at Gooburrum Pump Stn * 7.37m falling      08:50 AM WED 29/12/10

Baffle Ck at Mimdale *          16.75m falling     09:20 AM WED 29/12/10
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Baffle Ck at Essendean Bridge   NA
Baffle Ck at Barnetts Road      3.9m falling       06:00 AM WED 29/12/10

Boyne R at Milton *             5.63m falling      09:00 AM WED 29/12/10
Diglum Ck at Marlua *           2.98m falling      06:00 AM WED 29/12/10
Boyne R at Awoonga Dam *        3.77m falling      07:50 AM WED 29/12/10
Gladstone Tide *                1.66m falling      09:50 AM WED 29/12/10
Calliope R at Castlehope *      4.61m falling      09:10 AM WED 29/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
Issued at 11:25 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding continues to ease in Baffle Creek at Mimdale. Creek levels will
remain high and above the level of Essendean Bridge until the weekend, with
creek levels easing downstream at Barnetts Road.


Moderate to major flooding is easing along the Kolan River, where major flood
levels at Fred Haigh Dam are also falling. Moderate flooding is easing between
Monduran and Gooburrum.

Weather Forecast:
Isolated coastal showers.

Next Issue:
The next warning will be issued at about noon Friday.

Latest River Heights:
Kolan R at Springfield *        4.01m falling       11:00 PM WED 29/12/10
Kolan R at Fred Haigh Dam HW *  3.36m steady        06:00 AM THU 30/12/10
Kolan R at Monduran             8.6m falling slowly 06:00 PM WED 29/12/10
Gin Gin Ck upstream Gin Gin *   3.45m falling       11:00 PM WED 29/12/10
Kolan R at Bucca Weir *         NA
Kolan R at Gooburrum Pump Stn * 5.53m falling       10:05 AM THU 30/12/10

Baffle Ck at Mimdale *          14.58m falling      08:00 AM THU 30/12/10
Baffle Ck at Essendean Bridge   NA
Baffle Ck at Barnetts Road      3.05m falling       09:00 AM THU 30/12/10

Boyne R at Milton *             4.36m falling       08:00 AM THU 30/12/10
Diglum Ck at Marlua *           2.28m falling       06:00 AM THU 30/12/10
Boyne R at Awoonga Dam *        2.9m falling        08:00 AM THU 30/12/10
Gladstone Tide *                1.6m falling        10:30 AM THU 30/12/10
Calliope R at Castlehope *      3.22m falling       06:00 AM THU 30/12/10
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* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
Issued at 9:32 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in Baffle Creek at Mimdale. Creek levels will
remain high and above the level of Essendean Bridge until the weekend, with
creek levels easing downstream at Barnetts Road.


Moderate to major flooding is easing along the Kolan River, where major flood
levels at Fred Haigh Dam are also falling. Minor flooding is slowly easing
between Monduran and Gooburrum.

Weather Forecast:
Isolated coastal showers.

Next Issue:
The next warning will be issued at about noon Saturday.

Latest River Heights:
Kolan R at Springfield *        3.12m steady       08:00 AM FRI 31/12/10
Kolan R at Fred Haigh Dam HW *  2.85m steady       06:00 AM FRI 31/12/10
Kolan R at Monduran             6.8m falling       06:00 AM FRI 31/12/10
Gin Gin Ck upstream Gin Gin *   2.31m falling      08:00 AM FRI 31/12/10
Kolan R at Gooburrum Pump Stn * 4.88m falling      07:55 AM FRI 31/12/10

Baffle Ck at Mimdale *          12.17m falling     02:00 AM FRI 31/12/10
Baffle Ck at Barnetts Road      2.81m falling fast 03:00 PM THU 30/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM610

IDQ20775
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Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE KOLAN RIVER
Issued at 8:41 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flood levels are easing at the Fred Haigh Dam and will continue easing into next week. Minor flooding is easing downstream in the Monduran area.

Weather Forecast:
Isolated coastal showers.

Next Issue:
The next warning will be issued at about noon Sunday.

Latest River Heights:

Kolan R at Springfield *	2.79m	falling	07:00 AM SAT 01/01/11
Kolan R at Fred Haigh Dam HW *	2.42m	steady	06:00 AM SAT 01/01/11
Kolan R at Monduran	5.8m	falling	06:00 AM SAT 01/01/11
Gin Gin Ck upstream Gin Gin *	1.88m	falling	07:00 AM SAT 01/01/11
Kolan R at Gooburrum Pump Stn *	4.39m	falling	07:00 AM SAT 01/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(16)"

FLDWARN Coastal Rs Maryborough south

1 December 2010 to 31 January 2011

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TO::BOM612+BOM613+BOM614+BOM615+BOM617+BOM618

IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM
MARYBOROUGH TO THE NSW BORDER
Issued at 6:46 PM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Saturday has resulted in fast level rises in coastal
catchments and adjacent inland catchments. The heaviest rainfall to 6pm Saturday
has been in the Pine Rivers area and coastal areas from Brisbane to the Gold
Coast. Further rainfall is forecast overnight with fast rises and some minor
flooding expected.

Rainfall totals in the 9 hours to 6pm include: Wynnum 100mm, Mitchelton 76mm,
Logan 65mm, Coomera 46mm , Brisbane 74mm and Beerwah 60m.

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Next Issue:
The next warning will be issued by 8am Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612+BOM613+BOM614+BOM615+BOM617+BOM618

IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM
MARYBOROUGH TO BRISBANE
Issued at 8:19 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Saturday has resulted in fast level rises in coastal and
adjacent inland catchments. Minor flood levels are occurring in the Moloolah and
Maroochy river catchments. Some moderate flood levels are likely during Sunday.

Minor flooding is occurring along:
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Paynter Creek at Diddillibah with moderate flood levels likely.
South Maroochy River at Yandina;
Mooloolah River at Jordan Street.

Elsewhere fast rises are possible. Further rainfall is forecast during Sunday.

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Next Issue:
The next warning will be issued by 12 noon Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM
MARYBOROUGH TO BRISBANE
Issued at 12:01 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent moderate to heavy rainfall has resulted in fast river level rises in
coastal and adjacent inland catchments. Isolated moderate flooding is occurring
in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Elsewhere fast rises are possible. Further rainfall is forecast for the
remainder of Sunday.

Next Issue:
The next warning will be issued by 4pm Sunday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
Issued at 3:59 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent moderate to heavy rainfall has resulted in fast river level rises in coastal and adjacent inland catchments from Maryborough to Brisbane.

Moderate flooding is occurring in:

Paynter Creek at Diddillibah;
Mooloolah River at Jordan Street.

Minor flooding is occurring in:

South Maroochy River at Yandina.

Fast rises are possible elsewhere with further rainfall forecast for the remainder of Sunday.

Next Issue:
The next warning will be issued at about 7am Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
Issued at 5:24 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

A heavy rain band has cleared the region and is currently lying off the coast, leaving isolated showers and afternoon storms during Monday. Stream levels are expected to continue to ease across the coastal and adjacent inland catchments from Maryborough to Brisbane.

Moderate flooding remains steady in:

SUNSHINE COAST:

Paynter Creek at Diddillibah,
Mooloolah River at Jordan Street.

The situation will continue to be monitored.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612+BOM613+BOM614+BOM615+BOM617+BOM618

IDQ20780

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 7:57 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall is forecast for tonight and Monday along the coast and adjacent inland areas between Bundaberg and the NSW border. With saturated ground conditions, fast rises causing flash flooding and inundation of low lying areas are expected overnight and Monday in smaller creeks and streams throughout the area.

Flooding is likely to develop throughout the area in larger river systems during tonight and Monday. Areas of particular risk include Gold Coast hinterland streams, upper Nerang River, Mudgeeraba Creek, Coomera River, Albert River, upper Logan River and tributaries, Bremer River, Warrill Creek, Lockyer and Laidley Creeks, Pine and Caboolture Rivers, Stanley and upper Brisbane River, Stanley River Sunshine Coast rivers and streams, upper Mary River and tributaries, Cherwell and Burrum Rivers, upper Condamine River and tributary creeks.

A Severe Weather Warning for heavy rainfall is current for the area.

Driving conditions will be dangerous, especially during the night hours.
Motorists are warned not to drive through flood waters.

Next Issue:
The next warning will be issued at about 6am Monday.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 5:42 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Widespread heavy rainfall of between 50 and 100 millimetres has been recorded in the catchments of the Lockyer, Bremer, Logan and Albert Rivers. Rainfall in the Upper Brisbane and Stanley on the Sunshine coast have been less than 50 millimetres.

A flood warning has been issued for the Laidley and Lockyer Creeks and the Bremer River.

Logan and Albert Rivers:

Moderate flood levels are peaking in the Albert River at Beaudesert and in the Logan River at Rathdowney. Major flood levels have peaked in Teviot Brook at Boonah. Minor flooding is expected in the Logan River at Yarrahappini and Macleans Bridge this morning but at this stage the river is not expected to reach minor flood level at Waterford.

Upper Brisbane:

Minor to moderate flooding is occurring in the Upper Brisbane above Wivenhoe Dam.

Sunshine Coast Rivers:

Minor flooding is expected in the Mary River at Gympie during this morning and some minor flooding is occurring in the coastal streams such as Paynter Creek and the Mooloolah River.

A Severe Weather Warning for heavy rainfall is current for the area.

Next Issue:
The next warning will be issued at about noon Monday.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 12:10 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Widespread heavy rainfall of between 50 and 100 millimetres has been recorded in the catchments of the Lockyer, Bremer, Logan and Albert Rivers. Rainfall in the Upper Brisbane and Stanley Rivers and in the Sunshine Coast streams have been less than 50 millimetres.

A flood warning has been issued for the Laidley, Lockyer and Warrill Creeks and the Bremer River.

LOGAN AND ALBERT RIVERS:

River levels in the Albert River at Beaudesert have peaked with moderate flood levels rising in the Logan River between Rathdowney and the Round Mountain area. Major flood levels have peaked in Teviot Brook at Boonah. Minor flooding is approaching a peak in the Logan River at Yarrahappini with further rises expected downstream at Macleans Bridge during Monday.

At this stage the river is not expected to reach the minor flood level of 6 metres at Waterford.

UPPER BRISBANE RIVER:

Minor to moderate flooding is occurring in the Upper Brisbane above Wivenhoe Dam.

SUNSHINE COAST RIVERS:

Minor flooding is occurring in the Mary River in the Gympie area and in the coastal streams of Paynter Creek and the Mooloolah River.

A Severe Weather Warning for heavy rainfall is current for the area.

Next Issue:
The next warning will be issued at about 5pm Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING

ADJACENT INLAND STREAMS
Issued at 4:55 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfalls of between 50-60mm have been recorded since 9am in the upper reaches of the Logan, Albert and Bremer Rivers and in Laidley and Warrill Creeks. This rainfall combined with widespread heavy rainfalls in these areas of between 50 and 100 millimetres in the 24 hours to 9am Monday.

A flood warning has been issued for the Laidley, Lockyer and Warrill Creeks and the Bremer River.

LOGAN AND ALBERT RIVERS:

Major flood levels are being recorded in the upper Logan River at Rathdowney and in the upper Teviot Brook at Boonah. Minor flooding is expected in the lower Albert River at Beenleigh overnight tonight. Further rises are expected in the Waterford area to above the minor flood level of 6 metres early Tuesday.

UPPER BRISBANE RIVER:

Minor to moderate flooding is occurring in the Upper Brisbane above Wivenhoe Dam.

Minor flooding is also occurring in the following locations:

- Mudgeeraba Creek at Mudgeeraba.
- Burpengary Creek at Rowley Road.
- Paynter Creek at Diddillibah.
- Mooloolah River at Jordan Street.
- Mary River between Gympie and Home Park.
- Gregory River at the Isis Highway.

A Severe Weather Warning for heavy rainfall is current for the area.

Next Issue:
The next warning will be issued at about 8pm Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 8:29 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Since 9am Sunday, rainfall between 100 and 150mm has fallen over the Logan, Albert and Bremer Rivers and Laidley, Lockyer and Warrill Creeks causing rapid rises and moderate to major flooding in the the region.

A flood warning has been issued for the Laidley, Lockyer and Warrill Creeks and the Bremer River.

LOGAN AND ALBERT RIVERS:

Major flooding is peaking in the Upper Logan River at Rathdowney and in the Upper Teviot Brook at Boonah. Minor flooding is expected in the lower Albert River at Beenleigh overnight tonight. Further rises are expected in the Waterford area with river levels expected to reach the minor flood level of 6 metres early Tuesday.

UPPER BRISBANE RIVER:

Minor to moderate flooding is occurring in the Upper Brisbane above Wivenhoe Dam.

Minor flooding is also occurring in the following locations:

- Mudgeeraba Creek at Mudgeeraba.
- Canungra Creek at Benobble
- Burpengary Creek at Rowley Road.
- Enoggera Reservoir.
- Paynter Creek at Diddillibah.
- Mooloolah River at Jordan Street.
- South Maroochy River at Yandina.
- Mary River between Gympie and Home Park.
- Gregory River at the Isis Highway.

A Severe Weather Warning for heavy rainfall is current for the area.

Next Issue:
The next warning will be issued at about 6am Tuesday.

Latest River Heights:
Nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 5:51 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 100 and 150mm has fallen since 9am Sunday over the coastal and inland areas between Bundaberg and the NSW Border, causing moderate to major flooding in the region. River and stream levels are generally easing during Tuesday morning as the heavy rainfall has cleared from the southern areas, however some heavy rainfall remains in the Bundaberg area but expected to clear later this morning.

A flood warning is current for the Lockyer and Warrill Creeks and the Bremer River.

LOGAN AND ALBERT RIVERS:

Moderate flooding is easing in the Upper Logan River at Rathdowney, major flooding easing in the Teviot Brook at Boonah. Minor to moderate flooding continues along the lower Logan River downstream from Beaudesert, with moderate flooding approaching a peak at Macleans Bridge and some minor flooding at Waterford during Tuesday morning.

UPPER BRISBANE RIVER:

Minor to major flooding is occurring in the Upper Brisbane above Wivenhoe Dam.

CHERWELL-BURRUM RIVERS:

Heavy rainfall continues across the Cherwell-Burrum catchments during Tuesday morning. Moderate flooding continues to rise in the Gregory River at Isis Highway. Moderate flooding continues to rise along the Cherwell River between Railway Bridge and Pacific Haven. Some minor flooding is occurring in the Burrum River at Howard.

Isolated minor or moderate flooding is also occurring in the following locations:

- Enoggera Reservoir.
- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street.
- Mary River between Dagun Pocket Gympie and Home Park, including Gympie.

A Severe Weather Warning for heavy rainfall is current for the Wide Bay and Burnett.

Weather Forecast:
Further rain periods, easing this afternoon. Moderate to heavy falls.

Next Issue:
The next warning will be issued at about midday Tuesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 11:29 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall over the coastal and inland areas between Bundaberg and the NSW Border have caused moderate to major flooding in the region. River and stream levels are generally easing during Tuesday as the heavy rainfall has cleared from the southern areas. Some heavy rainfall remains in the Bundaberg area which is expected to clear during Tuesday.

A flood warning is current for the Lockyer and Warrill Creeks and the Bremer River.

LOGAN AND ALBERT RIVERS:

Minor flooding is easing in the Upper Logan River at Rathdowney and in the Teviot Brook at Boonah. Minor to moderate flooding continues along the lower Logan River downstream from Beaudesert, with moderate flooding peaking at Macleans Bridge and some minor flooding expected at Waterford during Tuesday.

UPPER BRISBANE RIVER:

Minor to moderate flooding is occurring in the Upper Brisbane above Wivenhoe Dam.

CHERWELL-BURRUM RIVERS:

Heavy rainfall has continued across the Cherwell-Burrum catchments during Tuesday morning. Moderate flooding continues to rise in the Gregory River at Isis Highway and minor flooding in the Isis River at the Bruce Highway. Major flooding continues to rise along the Cherwell River between Railway Bridge and Pacific Haven. Some minor flooding is occurring in the Burrum River at Howard. Minor to moderate flood levels continue along the Elliot River between the Elliot area and Dr May's Crossing.

Isolated minor or moderate flooding is also occurring in the following locations:

- Mary River between Dagun Pocket Gympie and Home Park, including Gympie.
- Munna Creek at Marodian.
- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street.
- Purga Creek at Loamside.
- Oxley Creek at Beatty Road.
- Slacks Creek at Loganlea Road.

The Severe Weather Warning for the Wide Bay and Burnett has now been cancelled.

Next Issue:
The next warning will be issued at about 7pm Tuesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
Issued at 6:58 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall between Bundaberg and the Sunshine Coast has caused further river level rises in the region and moderate to major flooding continues in parts. Only light rainfall has fallen over the remainder of the region during Tuesday allowing river levels in the upper reaches to generally ease.

A flood warning is current for the Lockyer and Warrill Creeks and the Bremer River.

LOGAN AND ALBERT RIVERS:

Minor flooding continues to ease in the Upper Logan River at Rathdowney and has fallen below minor flood level in the Teviot Brook at Boonah. Moderate flooding continues in the lower Logan River between Yarrahappini and Macleans Bridge with some minor flooding expected at Waterford tonight.

UPPER BRISBANE RIVER:

Minor flooding is easing in the Upper Brisbane above Wivenhoe Dam.

CHERWELL-BURRUM RIVERS:

Heavy rainfall has continued across the Cherwell-Burrum catchments during Tuesday.

Moderate flood levels continue along the Elliot River between the Elliot area and Dr May's Crossing.

Major flooding in the Gregory River at Isis Hwy and moderate flooding in the Isis River at the Bruce Highway are now easing.

Major flooding is easing along the Cherwell River between Railway Bridge and Pacific Haven.

Minor flooding in the Burrum River at Howard is slowly easing.

Isolated minor or moderate flooding is also occurring in the following locations:

- Mary River between Dagun Pocket Gympie and Home Park, including Gympie.
- Six Mile Creek at Cooran.
- Munna Creek at Marodian.

- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street.
- Oxley Creek at Beatty Road.
- Slacks Creek at Loganlea Road.

Next Issue:
The next warning will be issued at about 7am Wednesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
Issued at 11:21 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall between Bundaberg and the Sunshine Coast has caused further river level rises in the region and moderate to major flooding continues in some areas.

A flood warning is current for the Lockyer and Warrill Creeks.

MARY RIVER

Minor flooding is rising between Moy Pocket and Gympie. River levels at Gympie are expected peak just below the moderate flood level. Downstream along the Mary River, minor to moderate flood levels continue to rise between Fishermas Pocket and Tiaro. Peaks are expected overnight or early tomorrow. Along Munna Creek, moderate flood levels are rising at Marodian with rises to 12 metres a possibility. Minor flood levels are likely in the Bauple area along Tinana Creek overnight.

LOGAN AND ALBERT RIVERS:

Minor flooding continues to ease in the Upper Logan River at Rathdowney and has fallen below minor flood level in the Teviot Brook at Boonah. Moderate flooding continues in the lower Logan River between Yarrahappini and Macleans Bridge with some minor flooding expected at Waterford tonight.

UPPER BRISBANE RIVER:

Minor to moderate flooding is easing in the Upper Brisbane above Wivenhoe Dam.

CHERWELL-BURRUM RIVERS:

Heavy rainfall has continued across the Cherwell-Burrum catchments during Tuesday.

Minor flood levels are falling along the Elliot River between the Elliot area and Dr May's Crossing.

Major flooding in the Gregory River at Isis Hwy and moderate flooding in the Isis River at the Bruce Highway are now easing.

Major flooding is easing along the Cherwell River between Railway Bridge and Pacific Haven.

Minor flooding in the Burrum River at Howard is slowly easing.

Isolated minor or moderate flooding is also occurring in the following locations:

- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street.
- Oxley Creek at Beatty Road.
- Slacks Creek at Loganlea Road.

Next Issue:
The next warning will be issued at about 7am Wednesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
Issued at 6:28 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are generally easing during Wednesday in the coastal and inland stream between Bundaberg and the NSW Border, with levels expected to continue to ease during today.

A flood warning is current for the Lockyer and Warrill Creeks and the Brisbane River below Wivenhoe Dam.

MARY RIVER

Minor flooding is occurring between Moy Pocket and the Gympie area, where river

levels at Gympie are expected peak just below the moderate flood level of 12 metres during Wednesday. Minor to moderate flooding extends downstream along the Mary River, with moderate flood levels contining to rise between Miva and Tiaro. Moderate flooding is nearing a peak in Munna Creek at Marodian to about 11.5 metres during Wednesday. Minor flooding is occurring between The Barrage and the Teddington area, with levels in the Bauple area along Tinana Creek expected to remain below minor.

LOGAN AND ALBERT RIVERS:

Minor flooding continues to ease in the upper Logan River at Rathdowney. Minor to moderate flooding is easing along the lower Logan River between Yarrahappini and Macleans Bridge, with river levels nearing a minor flood peak at Waterford during Wednesday.

UPPER BRISBANE RIVER:

Minor to moderate flooding is easing in the Upper Brisbane above Wivenhoe Dam.

CHERWELL-BURRUM RIVERS:

Minor to moderate flood levels continue to ease along the Gregory, Cherwell and Burrum Rivers during Wednesday morning.

Isolated minor or moderate flooding is also occurring in the following locations:

- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street, and South Maroochy River at Yandina.
- Oxley Creek at Beatty Road.
- Slacks Creek at Loganlea Road.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 3pm Wednesday.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
Issued at 3:10 PM on Wednesday the 29th of December 2010

by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are generally easing during Wednesday in the coastal and inland stream between Bundaberg and the NSW Border, with levels expected to continue to ease during today.

A flood warning is current for the Lockyer and Warrill Creeks and the Brisbane River below Wivenhoe Dam.

MARY RIVER:

Minor flooding is occurring between Dagun Pocket and the Gympie area, where river levels at Gympie are approaching a peak just below the moderate flood level of 12 metres during Wednesday afternoon. Minor to moderate flooding extends downstream along the Mary River, with moderate flood levels contining to rise between Miva and Tiaro.

Moderate flooding has peaked in Munna Creek at Marodian at about 11.5 metres during Wednesday morning. Minor flooding is also occurring in the Teddington area, with levels in the Bauple area along Tinana Creek expected to remain below minor.

LOGAN AND ALBERT RIVERS:

Minor flooding continues to ease in the upper Logan River at Rathdowney. Minor to moderate flooding is easing along the lower Logan River in the Macleans Bridge area, with river levels at Waterford recording around a 6 metre peak during Wednesday morning.

UPPER BRISBANE RIVER:

Minor flooding is easing in the Upper Brisbane above Wivenhoe Dam.

CHERWELL-BURRUM RIVERS:

Minor flooding is easing on the Burrum River at Howard and moderate flood levels are easing on the Gregory River at the Isis Highway.

Isolated minor or moderate flooding is also occurring in the following locations:

- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street.
- Oxley Creek at Beatty Road.
- Slacks Creek at Loganlea Road.
- Noosa River at Lake Cooroibah.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 7pm Wednesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
Issued at 6:40 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are generally easing during Wednesday in the coastal and inland stream between Bundaberg and the NSW Border, with levels expected to continue to ease during today.

A flood warning is current for Warrill Creek and the Brisbane River below Wivenhoe Dam.

MARY RIVER:

Minor flooding is occurring between Dagun Pocket and the Gympie area, where river levels at Gympie are approaching a peak just below the moderate flood level of 12 metres during Wednesday afternoon. Minor to moderate flooding extends downstream along the Mary River, with moderate flood levels continuing to rise between Miva and Tiaro.

Moderate flooding has peaked in Munna Creek at Marodian at about 11.5 metres during Wednesday morning. Minor flooding is also occurring in the Teddington area, with levels in the Bauple area along Tinana Creek expected to remain below minor.

LOGAN AND ALBERT RIVERS:

Minor flooding continues to ease along the Logan River at Rathdowney an in the Macleans Bridge area.

Isolated minor or moderate flooding is also occurring in the following locations:

- Paynter Creek at Diddillibah, and Doonan Creek.
- Mooloolah River at Jordan Street.
- Oxley Creek at Beatty Road.
- Slacks Creek at Loganlea Road.
- Noosa River at Lake Cooroibah.
- Brisbane River above Wivenhoe.
- Burrum River at Howard.
- Gregory River at Isis Highway.

Next Issue:
The next warning will be issued at about 7am Wednesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
Issued at 5:55 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels continue to generally ease during Thursday in the coastal and inland stream between Bundaberg and the NSW Border, with levels expected to continue to ease during today.

A flood warning is current for Warrill Creek and the Brisbane River below Wivenhoe Dam.

MARY RIVER:
Minor flooding is easing between Dagun Pocket and the Gympie area, where river levels at Gympie peaked to 11.74 metres at 2.30pm Wednesday. Moderate flooding extends downstream between Miva and Tiaro, where the flood peak remains in the Home Park area during Thursday morning.

Moderate flooding is easing in Munna Creek at Marodian. Minor flooding is also easing in Tinana Creek at Teddington Weir.

LOGAN AND ALBERT RIVERS:
Minor flooding continues to ease along the Logan River at Rathdowney an in the Macleans Bridge area.

Isolated minor flooding is also easing in the following locations:

- Paynter Creek at Diddillibah.
- Mooloolah River at Jordan Street.
- Brisbane River above Wivenhoe.

Weather Forecast:
Isolated showers near the coast.

Next Issue:
The next warning will be issued at about 3pm Thursday.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
Issued at 2:44 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels continue to fall during Friday in the coastal and inland stream between Bundaberg and the NSW Border, with levels expected to continue to ease during tomorrow.

A flood warning is current for Warrill Creek and the Brisbane River below Wivenhoe Dam.

MARY RIVER:
Minor flooding is easing between Dagun Pocket and the Gympie area, where river levels at Gympie peaked at 11.74 metres on Wednesday. Moderate flooding extends downstream between Miva and Tiaro, where the flood peak remains in the Home Park area during Thursday morning.

Minor flooding is easing in Tinana Creek.

Isolated minor flooding is also easing in the following locations:

- Macleans Bridge on the Logan River.
- Brisbane River above Wivenhoe.

Next Issue:
No further warnings will be issued for this event. Rainfall and river height data is available via the Bureau Website.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER
Issued at 2:48 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall is being recorded in a rainband that stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Totals of up to 25 to 50 millimetres have been recorded in the last hour within this rainband with the heaviest rainfall currently in the upper reaches of the Caboolture River and Kilcoy Creek.

This rainband is expected to move south during this afternoon and during Sunday night. Fast rises and flash flooding are possible during tonight in the Caboolture and Pine River catchments and in the Brisbane Metropolitan creeks.

A flood warning is current for the Mary River, Sunshine Coast Streams, Upper Brisbane and Lower Brisbane Rivers.

The heaviest rainfall during the 6 hours to 3pm Sunday includes Wamuran 94mm, Mt Mee 99mm and Maleny 92mm.

Next Issue:
The next warning will be issued at about 7pm.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER
Issued at 7:05 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

A rainband stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Rainfall totals of up 180 millimetres have been recorded in the Sunshine Coast region in the six hours to 7pm. The heaviest rainfall in the past two hours has been in the Killcoy, Stanley and Upper Mary catchments, with totals up to 60 millimetres recorded. The rainband is expected to move south during Sunday night.

Fast river rises have occurred in the Caboolture River resulting in minor flooding at Caboolture. Further rises in the Caboolture River and Pine River catchments are expected overnight Sunday.

Fast river rises have occurred in Woogaroo Creek resulting in moderate flooding at Opossum. Further flooding is possible in the Brisbane and Ipswich metropolitan creeks overnight Sunday.

Flood warnings are current for the Mary River, Sunshine Coast streams and the Upper Brisbane and Lower Brisbane rivers.

Next Issue:
The next warning will be issued at about 11pm.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER
Issued at 11:02 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

A rainband stretches from Gympie to the northern suburbs of Brisbane and inland to Dalby. Rainfall totals of up 260 millimetres have been recorded in the Sunshine Coast region since 9am Sunday. Rainfall has generally eased in the past two hours, however, further heavy rainfall is expected overnight and during Monday.

Minor flood levels are easing in the Caboolture River at Caboolture. Renewed rises are still possible in the Caboolture and Pine River catchments during Monday.

Minor flooding is easing in Woogaroo Creek at Opossum. Heavy rainfall and flash flooding are possible in the Brisbane and Ipswich metropolitan creeks during Monday.

Flood warnings are current for the Mary River, Sunshine Coast streams and the Upper Brisbane and Lower Brisbane rivers. A severe weather warning is also current for this region.

Next Issue:
The next warning will be issued at about 9am Monday or earlier if needed.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER
Issued at 9:19 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

A rainband stretches from Maroochydore to the Beenleigh area and inland to Stanthorpe. Rainfall totals of between 150-250mm and up to 320mm have been recorded in the Sunshine Coast region in the past 24 hours. Rainfall in the past six hours has been between 25-50mm across the Sunshine Coast Rivers and streams and in the lower Brisbane River and tributary creeks.

Further rainfall is expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district.

Minor flood levels are occurring in:
- North Pine River at Youngs Crossing
- Enoggera Creek between Enoggera Dam and Kelvin Grove
- Woogaroo Creek at Opossum
- Oxley Creek at Archerfield
- Upper Logan River at Diekman's Bridge and in the Rathdowney area.

Further rises and flash flooding are likely in the creeks and streams around Brisbane and Ipswich associated with the heaviest rainfall.

Flood warnings are current for the Mary River, Sunshine Coast streams and the Upper Brisbane and Lower Brisbane rivers. A severe weather warning is also current for this region.

Next Issue:
The next warning will be issued at about 4:30pm Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

Broadcasters are directed to use the SEWS for this warning.

TOP PRIORITY
FLASH FLOOD WARNING FOR LOCKYER CREEK
Issued at 5:00 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfalls have been recorded in the Toowoomba area and caused extreme flash flooding. This rainfall is also causing extreme rises in the upper Lockyer Creek at Helidon with very fast and dangerous rises possible downstream at Gatton in the next few hours. Rises will extend downstream of Gatton during tonight.

Heavy rain areas and thunderstorms are expected to continue through the Southeast Coast district, far southern parts of the Wide Bay and Burnett District and eastern parts of the Darling Downs and Granite Belt district. Heavy falls may lead to localised flash flooding and/or worsen existing river flooding.

Further rises and flash flooding are likely in the creeks and streams around Brisbane and Ipswich associated with the heaviest rainfall.

Flood warnings are current for the Mary River, Sunshine Coast streams and the Upper Brisbane and Lower Brisbane rivers. A severe weather warning is also current for this region.

Next Issue:
The next warning will be issued at about 8:30pm Monday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20780

Australian Government Bureau of Meteorology
Queensland

Broadcasters in the Lockyer Valley area are directed to use the SEWS for this warning.

TOP PRIORITY
FLASH FLOOD WARNING FOR LOCKYER CREEK
Issued at 8:37 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfalls have been recorded in the Toowoomba, Crows Nest and Gatton area and have caused extreme rises in the upper Lockyer Creek between Helidon and Gatton with the peak currently arriving in the Glenore Grove area.

Record flood levels of 18.92 metres were recorded at Gatton this evening before the station failed. This level is well above the previous record peak of 16.33 metres from the February 1893 flood.

Very fast and dangerous rises are occurring downstream of Gatton to Glenore Grove and will extend downstream to Lyons Bridge and O'Reilly Weir during Monday night and Tuesday morning.

Contact the SES on 132 500 for emergency assistance if required.

Next Issue:
The next warning will be issued at about midnight Monday.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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Australian Government Bureau of Meteorology
Queensland

TOP PRIORITY
FLASH FLOOD WARNING FOR LOCKYER CREEK
Issued at 12:19 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment and Laidley Creek at Mulgowie. Record flood levels of 18.92 metres were recorded at Gatton this evening before the station failed. This level is well above the previous record peak of 16.33 metres from the February 1893 flood.

The main flood waters are currently around Glenore Grove, with strong stream rises at Lyons Bridge expected in the next few hours. The Lockyer Creek at Glenore Grove has reached 14.60 metres at 11:30pm. A peak in the next few hours is expected, with flood levels in excess of 15 metres possible.

Renewed stream rises have commenced at the Lockyer River at Lyons Bridge with a peak between 16 and 16.5 metres expected early Tuesday morning.

Contact the SES on 132 500 for emergency assistance if required.

Next Issue:
The next warning will be issued at about 4am Tuesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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Australian Government Bureau of Meteorology
Queensland

FLASH FLOOD WARNING FOR LOCKYER CREEK
Issued at 4:10 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Extremely heavy rainfall during Monday led to extreme rises in the Lockyer Creek catchment and Laidley Creek at Mulgowie. Record flood levels of 18.92 metres were recorded at Gatton Monday evening before the station failed. This level was well above the previous record peak of 16.33 metres from the February 1893 flood.

The main flood waters are currently arriving at Lyons Bridge, with strong stream rises expected in the next few hours. The Lockyer Creek at Glenore Grove peaked at 14.60 metres at 11:30pm, which is 0.3 metres below the 1974 flood.

Renewed stream rises have commenced in Lockyer Creek at Lyons Bridge with a peak between 16 and 16.5 metres expected Tuesday morning. This is likely to be similar in level to the 1996 flood.

Contact the SES on 132 500 for emergency assistance if required.

Next Issue:
The next warning will be issued at about noon Tuesday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FINAL FLASH FLOOD WARNING FOR LOCKYER CREEK
Issued at 7:27 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along Lockyer Creek during Tuesday morning, where the main flood waters are currently arriving at Lyons Bridge.

A flood warning is current for the Lockyer, Bremer, Warrill and Brisbane River below Wivenhoe including Brisbane City.

A Severe Weather Warning for heavy rainfall and localised flash flooding is also current.

Weather Forecast:
Rain periods with possible thunder. Rain gradually easing later in the day.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS
Issued at 7:12 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall overnight has caused river level rises with some minor to moderate flooding in the Logan/Albert,Pine,Maroochy and Mary river catchments.

Maroochy River catchment:
Moderate flooding is rising at Eumundi on the North Maroochy River with levels expected to peak around 5.5 metres today. Minor flooding is rising along Paynter Creek and falling at Yandina on the south Maroochy River.

Mary River catchment:
Minor flood levels are rising along Six Mile Creek in the Cooran area. Levels at Cooran Alert are expected to peak at or below the moderate flood level of 8.5 metres today.

Logan/Albert Rivers:
Minor flooding is occurring at Boonah, Rathdowney and Round Mountain. River levels are expected to drop through the day.

Pine River:
Minor flooding is nearing a peak at Youngs Crossings with levels expected to fall during the afternoon.

Next Issue:
The next warning will be issued by noon Thursday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS
Issued at 11:08 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall overnight has caused river level rises with some minor to moderate flooding in the Logan/Albert,Pine,Maroochy and Mary river catchments.

Maroochy River catchment:
Moderate flooding is easing at Eumundi on the North Maroochy River. Minor flooding is rising along Paynter Creek and falling at Yandina on the south Maroochy River.

Mary River catchment:
Minor flood levels have peaked along Six Mile Creek in the Cooran area.

Logan/Albert Rivers:
Minor flooding is occurring at Rathdowney and Round Mountain. River levels are expected continue falling through the day.

Pine River:
Minor flooding is nearing a peak at Youngs Crossings with levels expected to fall during the afternoon.

Next Issue:
The next warning will be issued by 4pm Thursday.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS
Issued at 2:13 PM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels are now easing in the Logan, Mary and Maroochy river catchments.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:
nil.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(17)"

FLDWARN for the Burrum Cherwell Rivers

1 December 2010 to 31 January 2011

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TO::BOM612

IDQ20785

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
Issued at 1:30 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall has been recorded in the past 12 hours in the coastal
streams and rivers between Bundaberg and Hervey Bay. Fast river level rises are
being recorded throughout the area with further rainfall forecast for the
remainder of Sunday. Fast rises and moderate flooding should be expected in the
Gregory River at the Isis Highway. Minor flood levels are possible in the Isis
River at the Bruce Highway.

Minor flood levels are rising in the Burrum River at Howard and in the Cherwell
River at the Railway Bridge with further rises and possible moderate flooding.

Weather Forecast:
Rain areas, scattered showers and thunderstorms. Moderate to locally heavy
falls.

Next Issue:
The next warning will be issued at about 6pm Sunday.

Latest River Heights:
Burrum R at Lenthalls Dam #     26.6m rising  01:14 PM SUN 12/12/10
Burrum R at Howard #            6.27m rising  01:03 PM SUN 12/12/10
Torbanlea #                     0.6m steady   01:11 PM SUN 12/12/10
Cherwell R at Railway Br #      4.97m rising  01:14 PM SUN 12/12/10
Cherwell R at Pacific Haven #   1.3m rising   01:06 PM SUN 12/12/10
Isis R at Bruce Hwy *           6.6m rising   12:40 PM SUN 12/12/10
Gregory R at Isis Hwy *         7.93m rising  12:30 PM SUN 12/12/10
Gregory R at Leesons *          6.8m rising   12:41 PM SUN 12/12/10
Elliott R at Elliott *          0.59m rising  12:00 PM SUN 12/12/10
Elliott R at Dr Mays Crossing * 1.36m rising  12:00 PM SUN 12/12/10

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612

IDQ20785
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
Issued at 6:08 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall has been recorded in the past 24 hours in the coastal streams and rivers between Bundaberg and Hervey Bay. Rainfall totals include 178mm at Upper Cherwell AL, 118mm at Lenthalls Dam, 215mm at Burrum Highway and 157mm at Leesons. Fast river level rises are being recorded throughout the area with further rainfall forecast for Sunday evening.

ELLIOTT RIVER
Minor flood levels are likely at Elliott TM and Dr Mays Crossing with further rises possible.

GREGORY RIVER
Moderate flood levels are expected to rise further this evening with major flood levels of 11 metres a possibility.

ISIS RIVER
Minor flood levels are rising in the Isis River at Bruce Highway with levels expected to reach at least 10 metres with moderate flooding overnight.

CHERWELL RIVER
Major flood levels are rising fast at Railway Bridge. Levels are expected to reach 9 metres. At Pacific Haven, levels are expected to reach around 4 metres causing major flooding overnight.

BURRUM RIVER
Minor flood levels are rising in the Burrum River at Howard. Moderate flood levels of 8 metres are possible overnight at Howard with further rises possible as Lenthalls Dam continues to spill.

Weather Forecast:
Rain areas, scattered showers and thunderstorms. Moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 9am Monday.

Latest River Heights:

Burrum R at Lenthalls Dam *	26.98m rising	03:00 PM SUN 12/12/10
Burrum R at Lenthalls Dam #	27.45m rising	05:43 PM SUN 12/12/10
Burrum R at Howard #	6.27m steady	05:37 PM SUN 12/12/10
Torbanlea #	0.5m falling	04:34 PM SUN 12/12/10
Cherwell R at Railway Br #	8.42m rising	05:46 PM SUN 12/12/10
Cherwell R at Pacific Haven #	3m rising	05:40 PM SUN 12/12/10
Isis R at Bruce Hwy *	8.54m rising	04:40 PM SUN 12/12/10
Gregory R at Isis Hwy *	9.88m rising	04:40 PM SUN 12/12/10
Gregory R at Leesons *	9m rising	04:28 PM SUN 12/12/10
Elliott R at Elliott *	2.25m rising	04:40 PM SUN 12/12/10
Elliott R at Dr Mays Crossing *	1.9m rising	04:40 PM SUN 12/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

TO::BOM612

IDQ20785

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
Issued at 6:56 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

A heavy rain band has cleared the region and is currently lying off the coast, leaving isolated showers and afternoon storms during Monday. Moderate flooding continues to ease on the Gregory River, with minor flooding easing during Monday morning on the Cherwell River at Pacific Haven and on the Burrum River a Howard.

ELLIOTT RIVER:
Minor flooding overnight Sunday has eased during Monday morning, with river levels currently below minor flood levels.

GREGORY RIVER:
A major flood peak to 11.0 metres was recorded around midnight at the Isis Highway. Moderate flooding continues to ease during Monday morning.

ISIS RIVER:
A moderate flood peak to 9.96 metres was recorded around midnight at the Bruce Highway crossing on the Isis River, with river levels currently below minor flood levels.

CHERWELL RIVER:
A major flood peak to 3.9 metres was recorded around midnight at Pacific Haven. River levels have continued to ease during Monday morning with minor flood levels easing at Railway Bridge and at Pacific Haven.

BURRUM RIVER:
Minor flooding continues to slowly ease on the Burrum River at Howard. At 6am Monday river level at Howard was about 1.3 metres above the level of the weir.

Weather Forecast:
Isolated showers, mainly in the afternoon and tending scattered near Fraser Island late in the day. Isolated afternoon and evening thunderstorms, chiefly inland.

Next Issue:
The next warning will be issued at about 1pm Monday.

Latest River Heights:

Burrum R at Lenthalls Dam #	27.55m	falling	06:07 AM MON 13/12/10
Burrum R at Howard #	6.17m	falling	06:15 AM MON 13/12/10
Torbanlea #	0.2m	falling	06:33 AM MON 13/12/10
Cherwell R at Railway Br #	5.57m	falling	06:33 AM MON 13/12/10
Cherwell R at Pacific Haven #	2.9m	falling	06:27 AM MON 13/12/10
Isis R at Bruce Hwy *	6.76m	falling	05:40 AM MON 13/12/10
Gregory R at Isis Hwy *	10.39m	falling	05:40 AM MON 13/12/10
Gregory R at Leesons *	8.94m	rising	05:00 AM MON 13/12/10
Elliott R at Elliott *	2.83m	falling	05:40 AM MON 13/12/10

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Elliott R at Dr Mays Crossing * 2.95m falling  05:00 AM MON 13/12/10

*,# denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612

IDQ20785

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
Issued at 12:47 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to ease on the Gregory River.

GREGORY RIVER:
A major flood peak to 11.0 metres was recorded around midnight at the Isis
Highway. Flood levels will continue to ease during this afternoon.

BURRUM RIVER:
Minor flooding continues to ease on the Burrum River at Howard.

Weather Forecast:
Isolated showers, mainly in the afternoon and tending scattered near Fraser
Island late in the day. Isolated afternoon and evening thunderstorms, chiefly
inland.

Next Issue:
The next warning will be issued at about 5:30pm Monday.

Latest River Heights:
Burrum R at Lenthalls Dam *     27.48m falling 06:55 AM MON 13/12/10
Burrum R at Lenthalls Dam #     27.25m falling 12:15 PM MON 13/12/10
Burrum R at Howard #            5.97m steady   11:37 AM MON 13/12/10
Torbanlea #                     0.1m falling   11:15 AM MON 13/12/10
Cherwell R at Railway Br #      3.22m falling  12:30 PM MON 13/12/10
Cherwell R at Pacific Haven #   1.15m falling  12:28 PM MON 13/12/10
Isis R at Bruce Hwy *           3.45m falling  11:40 AM MON 13/12/10
Gregory R at Isis Hwy *         9.63m falling  11:00 AM MON 13/12/10
Gregory R at Leesons *          9.22m rising   11:00 AM MON 13/12/10
Elliott R at Elliott *          1.82m falling  11:00 AM MON 13/12/10
Elliott R at Dr Mays Crossing * 2.28m falling  11:00 AM MON 13/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612

IDQ20785

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
Issued at 4:02 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are falling along the Gregory River at the Burrum Highway and will fall below minor levels overnight. Elsewhere, flood levels have fallen below minor.

Next Issue:
This is the final warning, river height bulletins will continue to be issued.

Latest River Heights:

Burrum R at Lenthalls Dam *	27.68m	steady	12:00 AM	MON	13/12/10
Burrum R at Lenthalls Dam #	27.1m	falling	03:35 PM	MON	13/12/10
Burrum R at Howard #	5.82m	falling	03:18 PM	MON	13/12/10
Torbanlea #	0.1m	steady	01:11 PM	MON	13/12/10
Cherwell R at Railway Br #	2.62m	falling	03:50 PM	MON	13/12/10
Cherwell R at Pacific Haven #	0.8m	falling	03:46 PM	MON	13/12/10
Isis R at Bruce Hwy *	2.78m	falling	03:00 PM	MON	13/12/10
Gregory R at Isis Hwy *	9.19m	falling	03:00 PM	MON	13/12/10
Gregory R at Leesons *	9.16m	falling	03:00 PM	MON	13/12/10
Elliott R at Elliott *	1.53m	falling	03:00 PM	MON	13/12/10
Elliott R at Dr Mays Crossing *	2.08m	falling	03:00 PM	MON	13/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(18)"

FLDWARN for the Mary River basin

1 December 2010 to 31 January 2011

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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 1:49 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall overnight and during Sunday has led to rising river levels throughout
the Mary catchment. Minor flood levels are expected at Dagun Pocket, Gympie and
downstream at Fishermans Pocket with further rises expected as rainfall
continues. River levels at Gympie are forecast to reach at least 8 metres.

Moderate flood levels are forecast between Miva and Tiaro with further rises.
Further heavy rainfall is forecast for this afternoon.

At this stage, river levels at Maryborough are expected to remain below minor.

Next Issue:
The next warning will be issued by about 7pm Sunday.


Latest River Heights:
Obi Obi Ck at Gardners Falls *      0.54m falling  12:00 PM SUN 12/12/10
Obi Obi Ck at Baroon Dam #          0.43m steady   01:36 PM SUN 12/12/10
Obi Obi Ck st Baroon TW #           0.98m steady   01:28 PM SUN 12/12/10
Mary R at Bellbird Ck #             2.38m steady   12:56 PM SUN 12/12/10
Mary R at Bellbird Ck *             2.44m falling  12:41 PM SUN 12/12/10
Mary R at Moy Pocket #              5.95m rising   01:12 PM SUN 12/12/10
Mary R at Moy Pocket *              5.87m rising   12:38 PM SUN 12/12/10
Yabba Ck at Borumba Dam HW *        -0.4m steady   12:00 PM SUN 12/12/10
Kandanga Ck at Hygait *             1.94m falling  12:00 PM SUN 12/12/10
Amamoor Ck at Zachariah *           2.71m steady   12:44 PM SUN 12/12/10
Mary R at Dagun Pocket *            6.61m rising   12:30 PM SUN 12/12/10
Six Mile Ck at Lake MacDonald Dam # 95.6m steady   01:37 PM SUN 12/12/10
Six Mile Ck at Lake MacDonald Dr#   2.55m rising   01:35 PM SUN 12/12/10
Six Mile Ck at Cooran *             3.83m rising   12:32 PM SUN 12/12/10
Six Mile Ck at Cooran #             3.97m rising   01:37 PM SUN 12/12/10
Deep Ck at Cedar Pocket Dam #       101.13m rising 01:31 PM SUN 12/12/10
Mary R at Gympie Weir *             5.56m rising   12:30 PM SUN 12/12/10
Mary R at Gympie #                  5.49m rising   01:37 PM SUN 12/12/10
Mary R at Fishermans Pocket *       6.53m steady   12:31 PM SUN 12/12/10
Glastonbury Ck at Glastonbury *     1.98m falling  11:00 AM SUN 12/12/10
Wide Bay Ck at Kilkivan *           0.61m steady   12:36 PM SUN 12/12/10
Wide Bay Ck at Brooyar *            1.96m rising   12:20 PM SUN 12/12/10
Mary R at Miva *                    4.95m rising   12:30 PM SUN 12/12/10
Munna Ck at Marodian *              3.72m rising   12:30 PM SUN 12/12/10
Mary R at Home Park *               4.78m rising   12:49 PM SUN 12/12/10
Mary R at The Barrage *             3.64m rising   01:10 PM SUN 12/12/10
Tinana Ck at Tagigan Rd *           1.54m rising   12:40 PM SUN 12/12/10
Tinana Ck at Bauple East *          2.07m rising   12:40 PM SUN 12/12/10
Tinana Ck at Teddington Weir *      9.21m rising   12:53 PM SUN 12/12/10
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Tinana Ck at Tinana Barrage *       2.67m steady   06:00 AM SUN 12/12/10
Mary R at Churchill St *            2.83m rising   12:41 PM SUN 12/12/10
Bunya Ck at Booral Rd #             -0.2m steady   01:31 PM SUN 12/12/10
Black Swamp Ck at Maryborough Rd #  -2.5m steady   11:34 AM SUN 12/12/10
Urangan Boat Harbour tide *         3.25m rising   12:50 PM SUN 12/12/10

*automatic station


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public and satellite phones.
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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:51 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall overnight and during Sunday has led to rising river levels throughout
the Mary catchment. Minor flood levels are occurring at Dagun Pocket, Gympie and
downstream at Fishermans Pocket. Levels  River levels at Gympie are forecast to
reach around 9 metres during Monday

Moderate flood levels of around 10 metres are forecast at Miva overnight Monday
into Tuesday. Moderate flood levels are also likely at Home Park and Tiaro this
week. Rises are also occurring along Tinana Creek with minor flood levels
possible at Bauple East early on Tuesday. River levels at Maryborough are
expected to remain below minor.

Next Issue:
The next warning will be issued by about 11:30am Monday.


Latest River Heights:
Obi Obi Ck at Gardners Falls *      0.55m steady   05:00 PM SUN 12/12/10
Obi Obi Ck at Baroon Dam #          0.44m falling  06:21 PM SUN 12/12/10
Obi Obi Ck st Baroon TW #           1.07m steady   06:23 PM SUN 12/12/10
Mary R at Bellbird Ck #             2.43m rising   06:11 PM SUN 12/12/10
Mary R at Bellbird Ck *             2.39m rising   05:00 PM SUN 12/12/10
Mary R at Moy Pocket #              6.3m rising    06:30 PM SUN 12/12/10
Mary R at Moy Pocket *              6.25m rising   05:22 PM SUN 12/12/10
Yabba Ck at Borumba Dam HW *        -0.43m falling 05:15 PM SUN 12/12/10
Kandanga Ck at Hygait *             2.48m rising   05:00 PM SUN 12/12/10
Amamoor Ck at Zachariah *           3.5m rising    05:30 PM SUN 12/12/10
Mary R at Dagun Pocket *            7.87m rising   05:45 PM SUN 12/12/10
Six Mile Ck at Lake MacDonald Dam # 95.65m rising  06:22 PM SUN 12/12/10
Six Mile Ck at Lake MacDonald Dr#   2.85m rising   05:46 PM SUN 12/12/10
Six Mile Ck at Cooran *             4.62m rising   05:19 PM SUN 12/12/10
Six Mile Ck at Cooran #             4.77m rising   06:18 PM SUN 12/12/10
Deep Ck at Cedar Pocket Dam #       101.38m steady 06:11 PM SUN 12/12/10
Mary R at Gympie Weir *             7.33m rising   05:30 PM SUN 12/12/10
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Mary R at Gympie #	7.14m	rising	06:24 PM SUN 12/12/10
Mary R at Fishermans Pocket *	8.33m	rising	05:40 PM SUN 12/12/10
Glastonbury Ck at Glastonbury *	3.29m	rising	05:20 PM SUN 12/12/10
Wide Bay Ck at Kilkivan *	1.2m	rising	05:00 PM SUN 12/12/10
Wide Bay Ck at Brooyar *	2.63m	steady	05:00 PM SUN 12/12/10
Mary R at Miva *	7.26m	rising	05:40 PM SUN 12/12/10
Munna Ck at Marodian *	5.43m	rising	05:00 PM SUN 12/12/10
Mary R at Home Park *	6.92m	rising	05:40 PM SUN 12/12/10
Mary R at The Barrage *	3.98m	rising	05:10 PM SUN 12/12/10
Tinana Ck at Tagigan Rd *	3.89m	rising	05:50 PM SUN 12/12/10
Tinana Ck at Bauple East *	4.18m	rising	05:40 PM SUN 12/12/10
Tinana Ck at Teddington Weir *	9.66m	rising	06:01 PM SUN 12/12/10
Tinana Ck at Tinana Barrage *	2.67m	steady	06:00 AM SUN 12/12/10
Mary R at Churchill St *	2.66m	falling	05:41 PM SUN 12/12/10
Bunya Ck at Booral Rd #	0.45m	rising	06:31 PM SUN 12/12/10
Black Swamp Ck at Maryborough Rd #	-2.25m	steady	05:34 PM SUN 12/12/10
Urangan Boat Harbour tide *	1.78m	falling	05:50 PM SUN 12/12/10

*automatic station

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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:32 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to slowly rise on the Mary River between Dagun Pocket and Fishermans Pocket, with a minor flood peak expected at Gympie during Monday afternoon. Minor flooding continues to rise further downstream between Miva and Home Park, with further rises and moderate flooding expected during Monday morning. River levels at Maryborough are expected to remain below minor flood level.

Minor flooding continues to slowly rises along the Mary River between Dagun Pocket and Fishermans Pocket situated below Gympie. At 6am Monday the river level on the Mary River at Gympie was at 9 metres, with further small rises and a minor flood peak expected during Monday afternoon.

Further downstream at Miva, minor flood levels continue to rise with moderate flood levels expected to occur during Monday, with river levels expected to reach about 11 metres.

Moderate flooding is expected to extend downstream to Home Park and Tiaro, however river levels will remain below minor flood level at Maryborough.

Weather Forecast:
Isolated showers, with an afternoon and evening thunderstorm.

Next Issue:
The next warning will be issued at about 1pm Monday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.49m steady	03:00 AM MON 13/12/10
Obi Obi Ck at Baroon Dam #	0.42m steady	04:31 AM MON 13/12/10
Obi Obi Ck st Baroon TW #	0.96m steady	06:00 AM MON 13/12/10
Mary R at Bellbird Ck #	1.93m falling	05:38 AM MON 13/12/10
Mary R at Kenilworth H/S #	NA	
Mary R at Moy Pocket #	5.65m falling	06:03 AM MON 13/12/10
Yabba Ck at Borumba Dam HW *	-0.59m falling	05:00 AM MON 13/12/10
Yabba Ck at Imbil *	NA	
Kandanga Ck at Hygait *	1.83m falling	05:00 AM MON 13/12/10
Amamoor Ck at Zachariah *	2.46m falling	05:00 AM MON 13/12/10
Mary R at Dagun Pocket *	9.44m falling	05:15 AM MON 13/12/10
Six Mile Ck at Lake MacDonald Dr#	2.95m falling	05:49 AM MON 13/12/10
Six Mile Ck at Cooran #	5.57m steady	04:28 AM MON 13/12/10
Mary R at Gympie Weir *	9.41m rising	05:30 AM MON 13/12/10
Mary R at Gympie #	8.99m steady	06:01 AM MON 13/12/10
Mary R at Fishermans Pocket *	10.11m rising	05:00 AM MON 13/12/10
Glastonbury Ck at Glastonbury *	1.79m falling	04:00 AM MON 13/12/10
Wide Bay Ck at Kilkivan *	0.96m falling	05:00 AM MON 13/12/10
Wide Bay Ck at Brooyar *	3.38m falling	05:00 AM MON 13/12/10
Mary R at Miva *	9.08m rising	05:00 AM MON 13/12/10
Munna Ck at Marodian *	4.69m falling	05:00 AM MON 13/12/10
Mary R at Home Park *	7.85m rising	11:00 PM SUN 12/12/10
Mary R at Tiaro	NA	
Mary R at The Barrage *	4.27m steady	03:10 AM MON 13/12/10
Tinana Ck at Tagigan Rd *	4.01m falling	05:00 AM MON 13/12/10
Tinana Ck at Bauple East *	4.84m rising	05:00 AM MON 13/12/10
Tinana Ck at Teddington Weir *	9.85m rising	05:49 AM MON 13/12/10
Mary R at Maryborough	NA	
Mary R at Churchill St *	2.39m falling	05:41 AM MON 13/12/10
Bunya Ck at Booral Rd #	0.15m falling	06:02 AM MON 13/12/10
Black Swamp Ck at Maryborough Rd #	-1.95m steady	05:34 AM MON 13/12/10
Urangan Boat Harbour tide *	2.33m falling	03:50 AM MON 13/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 12:40 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels will continue in the Mary River catchment into

Tuesday. River levels at Maryborough are expected to remain below minor flood level.

Minor flooding continues along the Mary River between Dagun Pocket and Fishermans Pocket. At noon Monday the river level at Gympie was at 9.3 metres, with a minor flood peak expected during Monday afternoon of about 9.5 metres.

Downstream at Miva, minor flood levels continue to rise with moderate flood levels of about 10 metres expected during Monday.

Moderate flood levels are expected at Home Park and Tiaro, however river levels will remain below minor flood level at Maryborough.

Weather Forecast:
Isolated showers, with an afternoon and evening thunderstorm.

Next Issue:
The next warning will be issued by 9am Tuesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.46m steady	11:00 AM MON 13/12/10
Obi Obi Ck at Baroon Dam #	0.38m steady	12:26 PM MON 13/12/10
Obi Obi Ck st Baroon TW #	0.88m steady	12:13 PM MON 13/12/10
Mary R at Bellbird Ck #	1.78m falling	10:46 AM MON 13/12/10
Mary R at Bellbird Ck *	1.81m falling	11:00 AM MON 13/12/10
Mary R at Moy Pocket #	4.5m falling	12:06 PM MON 13/12/10
Mary R at Moy Pocket *	4.64m falling	11:20 AM MON 13/12/10
Yabba Ck at Borumba Dam HW *	-0.63m falling	09:45 AM MON 13/12/10
Kandanga Ck at Hygait *	1.4m falling	11:00 AM MON 13/12/10
Amamoor Ck at Zachariah *	2.22m falling	11:00 AM MON 13/12/10
Mary R at Dagun Pocket *	9.29m falling	11:00 AM MON 13/12/10
Six Mile Ck at Lake MacDonald Dam #	95.55m steady	11:47 AM MON 13/12/10
Six Mile Ck at Lake MacDonald Dr#	2.4m falling	12:21 PM MON 13/12/10
Six Mile Ck at Cooran *	5.51m falling	11:00 AM MON 13/12/10
Six Mile Ck at Cooran #	5.42m falling	12:24 PM MON 13/12/10
Deep Ck at Cedar Pocket Dam #	101.14m steady	11:20 AM MON 13/12/10
Mary R at Gympie Weir *	9.89m rising	11:45 AM MON 13/12/10
Mary R at Gympie #	9.39m steady	12:01 PM MON 13/12/10
Mary R at Fishermans Pocket *	10.5m rising	11:00 AM MON 13/12/10
Glastonbury Ck at Glastonbury *	1.47m falling	11:00 AM MON 13/12/10
Wide Bay Ck at Kilkivan *	0.77m falling	11:00 AM MON 13/12/10
Wide Bay Ck at Brooyar *	2.94m falling	11:00 AM MON 13/12/10
Mary R at Miva *	9.49m rising	11:00 AM MON 13/12/10
Munna Ck at Marodian *	4.58m rising	11:00 AM MON 13/12/10
Mary R at Home Park *	7.85m rising	11:00 PM SUN 12/12/10
Mary R at Tiaro	NA	
Mary R at The Barrage *	4.27m steady	09:55 AM MON 13/12/10
Tinana Ck at Tagigan Rd *	3.48m falling	11:00 AM MON 13/12/10
Tinana Ck at Bauple East *	5.28m rising	11:00 AM MON 13/12/10
Tinana Ck at Teddington Weir *	9.76m falling	11:55 AM MON 13/12/10
Tinana Ck at Tinana Barrage *	3.58m steady	06:00 AM MON 13/12/10
Mary R at Churchill St *	2.19m rising	11:41 AM MON 13/12/10
Bunya Ck at Booral Rd #	0m rising	12:23 PM MON 13/12/10
Black Swamp Ck at Maryborough Rd #	-2.05m falling	11:36 AM MON 13/12/10
Urangan Boat Harbour tide *	2.66m rising	11:50 AM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 8:05 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels will continue in the Mary River catchment downstream of Gympie to the Home Park area. River levels at Maryborough are expected to remain below minor flood level.

Minor flooding is easing in the Mary River between Gympie and Home Park. At 7:33am Tuesday the river level at Gympie was 7.79 metres and easing.

Minor flood levels downstream to Home Park are expected to continue easing for the remainder of Tuesday and into Wednesday.

Next Issue:
The next warning will be issued by 5pm Tuesday.

Latest River Heights:

Mary R at Gympie #	7.79m	falling	07:33 AM TUE 14/12/10
Mary R at Fishermans Pocket *	9.9m	falling	05:40 AM TUE 14/12/10
Glastonbury Ck at Glastonbury *	1.12m	falling	03:00 AM TUE 14/12/10
Wide Bay Ck at Kilkivan *	0.59m	falling	05:00 AM TUE 14/12/10
Wide Bay Ck at Brooyar *	2.06m	falling	05:00 AM TUE 14/12/10
Mary R at Miva *	9.16m	falling	05:00 AM TUE 14/12/10
Munna Ck at Marodian *	6.15m	falling	05:00 AM TUE 14/12/10
Mary R at Home Park *	8.29m	falling	05:00 AM TUE 14/12/10
Mary R at The Barrage *	4.22m	falling	03:05 AM TUE 14/12/10
Tinana Ck at Tagigan Rd *	1.98m	falling	05:00 AM TUE 14/12/10
Tinana Ck at Bauple East *	6.13m	rising	05:00 AM TUE 14/12/10
Tinana Ck at Tinana Barrage *	3.32m	steady	06:00 AM TUE 14/12/10
Bunya Ck at Booral Rd #	-0.15m	steady	07:31 AM TUE 14/12/10
Black Swamp Ck at Maryborough Rd #	-2.3m	steady	05:33 AM TUE 14/12/10
Urangan Boat Harbour tide *	1.97m	falling	06:50 AM TUE 14/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE MARY RIVER
Issued at 3:29 PM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels will continue to fall in the Mary River catchment downstream of Gympie to the Home Park area. River levels at Maryborough are expected to remain below minor flood level.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.43m steady	02:00 PM TUE 14/12/10
Obi Obi Ck at Baroon Dam #	0.25m steady	03:20 PM TUE 14/12/10
Obi Obi Ck st Baroon TW #	0.64m steady	12:00 PM TUE 14/12/10
Mary R at Bellbird Ck #	1.38m falling	01:37 PM TUE 14/12/10
Mary R at Bellbird Ck *	1.41m steady	02:00 PM TUE 14/12/10
Mary R at Moy Pocket #	2.7m falling	02:56 PM TUE 14/12/10
Mary R at Moy Pocket *	2.75m falling	02:00 PM TUE 14/12/10
Kandanga Ck at Hygait *	0.86m steady	02:00 PM TUE 14/12/10
Amamoor Ck at Zachariah *	1.92m steady	02:00 PM TUE 14/12/10
Mary R at Dagun Pocket *	4.12m falling	02:45 PM TUE 14/12/10
Six Mile Ck at Lake MacDonald Dam #	95.44m steady	03:19 PM TUE 14/12/10
Six Mile Ck at Lake MacDonald Dr#	1.1m falling	02:14 PM TUE 14/12/10
Six Mile Ck at Cooran *	3.35m falling	02:00 PM TUE 14/12/10
Six Mile Ck at Cooran #	3.27m falling	02:44 PM TUE 14/12/10
Deep Ck at Cedar Pocket Dam #	101.02m steady	02:05 PM TUE 14/12/10
Mary R at Gympie Weir *	6.46m falling	02:30 PM TUE 14/12/10
Mary R at Gympie #	5.74m falling	03:17 PM TUE 14/12/10
Mary R at Fishermans Pocket *	8.15m falling	02:40 PM TUE 14/12/10
Glastonbury Ck at Glastonbury *	1.05m steady	11:00 AM TUE 14/12/10
Wide Bay Ck at Kilkivan *	0.53m falling	02:00 PM TUE 14/12/10
Wide Bay Ck at Brooyar *	1.86m falling	02:00 PM TUE 14/12/10
Mary R at Miva *	8.74m falling	02:00 PM TUE 14/12/10
Munna Ck at Marodian *	5.05m falling	02:00 PM TUE 14/12/10
Mary R at Home Park *	8.14m falling	02:40 PM TUE 14/12/10
Mary R at The Barrage *	4.19m steady	12:00 PM TUE 14/12/10
Tinana Ck at Tagigan Rd *	1.65m falling	02:00 PM TUE 14/12/10
Tinana Ck at Bauple East *	6.33m rising	02:00 PM TUE 14/12/10
Tinana Ck at Teddington Weir *	9.61m steady	02:57 PM TUE 14/12/10
Tinana Ck at Tinana Barrage *	3.32m steady	06:00 AM TUE 14/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 7:18 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has resulted in river level rises along the Mary River. A height of at least 10.5 metres at Gympie is expected during Monday with further rises possible. Minor flood levels will continue to rise at Fishermans Pocket with moderate flood levels forecast at Miva, Home Park and Tiaro this week.

Next Issue:
The next warning will be issued by noon on Monday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.48m rising	05:00 PM SUN 19/12/10
Obi Obi Ck at Baroon Dam #	0.35m steady	07:00 PM SUN 19/12/10
Obi Obi Ck st Baroon TW #	0.81m rising	06:43 PM SUN 19/12/10
Mary R at Bellbird Ck #	2.23m rising	07:01 PM SUN 19/12/10
Mary R at Bellbird Ck *	1.89m rising	05:41 PM SUN 19/12/10
Mary R at Moy Pocket #	3.9m rising	06:57 PM SUN 19/12/10
Mary R at Moy Pocket *	3.67m steady	05:30 PM SUN 19/12/10
Yabba Ck at Borumba Dam HW *	0.43m rising	05:30 PM SUN 19/12/10
Kandanga Ck at Hygait *	1.33m rising	05:50 PM SUN 19/12/10
Amamoor Ck at Zachariah *	2.42m rising	05:39 PM SUN 19/12/10
Mary R at Dagun Pocket *	6.04m rising	05:45 AM SUN 19/12/10
Six Mile Ck at Lake MacDonald Dr#	2.55m rising	06:35 PM SUN 19/12/10
Six Mile Ck at Cooran *	0.74m steady	05:34 PM SUN 19/12/10
Deep Ck at Cedar Pocket Dam #	101.52m rising	07:00 PM SUN 19/12/10
Mary R at Gympie Weir *	7.44m rising	05:30 PM SUN 19/12/10
Mary R at Gympie #	7.54m rising	07:02 PM SUN 19/12/10
Mary R at Fishermans Pocket *	8.23m rising	05:40 PM SUN 19/12/10
Glastonbury Ck at Glastonbury *	1.46m rising	05:20 PM SUN 19/12/10
Wide Bay Ck at Kilkivan *	0.89m rising	05:14 PM SUN 19/12/10
Wide Bay Ck at Brooyar *	2.92m steady	05:35 PM SUN 19/12/10
Mary R at Miva *	6.92m rising	05:00 PM SUN 19/12/10
Munna Ck at Marodian *	4.3m rising	05:40 PM SUN 19/12/10
Mary R at Home Park *	6.96m rising	12:00 AM SUN 19/12/10
Mary R at The Barrage *	5.23m steady	06:00 PM SUN 19/12/10
Tinana Ck at Tagigan Rd *	3.78m rising	05:50 PM SUN 19/12/10
Tinana Ck at Bauple East *	4.87m rising	05:00 PM SUN 19/12/10
Tinana Ck at Teddington Weir *	9.77m rising	05:49 PM SUN 19/12/10
Mary R at Churchill St *	1.88m rising	05:41 PM SUN 19/12/10
Bunya Ck at Booral Rd #	0m rising	07:02 PM SUN 19/12/10
Black Swamp Ck at Maryborough Rd #	-2.2m steady	05:33 PM SUN 19/12/10
Urangan Boat Harbour tide *	1.37m falling	10:50 PM SAT 18/12/10

*automatic station

Warnings and River Height Bulletins are available at
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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 12:11 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has resulted in river level rises along the Mary River. Minor flood levels are peaking upstream of Gympie at Moy Pocket with rises to continue downstream at Dagun Pocket during Monday. A height of at least 11 metres at Gympie is expected during the next 24 hours with further rises above the moderate flood level of 12 metres possible.

Minor to moderate flood levels continue to rise downstream of Gympie between Fishermans Pocket and Miva. Further rises and moderate flood levels are forecast at Home Park and Tiaro later this week.

Predicted River Heights/Flows:
Mary River:

Gympie Reach at least 11 metres during the next 24 hours.

Next Issue:
The next warning will be issued by about 8am on Tuesday.

Latest River Heights:

Mary R at Moy Pocket #	8.45m falling	11:20 AM MON 20/12/10
Yabba Ck at Borumba Dam HW *	1.08m steady	08:00 AM MON 20/12/10
Kandanga Ck at Hygait *	2.99m falling	10:00 AM MON 20/12/10
Amamoor Ck at Zachariah *	2.93m steady	10:00 AM MON 20/12/10
Mary R at Dagun Pocket *	9.4m rising	05:45 AM MON 20/12/10
Six Mile Ck at Lake MacDonald Dr#	3.2m falling	11:13 AM MON 20/12/10
Deep Ck at Cedar Pocket Dam #	101.29m steady	11:40 AM MON 20/12/10
Mary R at Gympie Weir *	10.44m rising	08:15 AM MON 20/12/10
Mary R at Gympie #	10.19m rising	11:35 AM MON 20/12/10
Mary R at Fishermans Pocket *	11.12m rising	08:00 AM MON 20/12/10
Glastonbury Ck at Glastonbury *	1.96m falling	10:00 AM MON 20/12/10
Wide Bay Ck at Kilkivan *	2.41m rising	08:00 AM MON 20/12/10
Wide Bay Ck at Brooyar *	4.19m rising	10:00 AM MON 20/12/10
Mary R at Miva *	10.35m rising	10:10 AM MON 20/12/10
Munna Ck at Marodian *	6.54m rising	10:00 AM MON 20/12/10
Mary R at The Barrage *	5.81m rising	10:45 AM MON 20/12/10
Tinana Ck at Tagigan Rd *	4.67m falling	10:00 AM MON 20/12/10
Tinana Ck at Bauple East *	6.77m rising	10:00 AM MON 20/12/10
Tinana Ck at Teddington Weir *	9.77m rising	05:49 PM SUN 19/12/10
Tinana Ck at Tinana Barrage *	3.71m steady	06:00 AM MON 20/12/10
Mary R at Churchill St *	3.74m rising	08:21 AM MON 20/12/10
Bunya Ck at Booral Rd #	0.15m falling	11:42 AM MON 20/12/10
Black Swamp Ck at Maryborough Rd #	-2.1m steady	11:33 AM MON 20/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 8:03 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are approaching a peak in the upper Mary River at Dagun Pocket. River levels at Gympie are expected to reach around 11.2 metres during Tuesday causing moderate flooding. At 7:20am Tuesday the Mary River level at Gympie was 10.89m and rising which is about 1 metre above the Kidd Street Bridge.

Minor to moderate flood levels continue to rise downstream of Gympie between Fishermans Pocket and Tiaro. Further rises are expected during the next few days as upstream flood waters arrive.

Predicted River Heights/Flows:
Mary River:

Gympie Reach around 11.2 metres during Tuesday.

Next Issue:
The next warning will be issued by about 8am on Wednesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.45m	steady	05:00 AM TUE 21/12/10
Obi Obi Ck at Baroon Dam #	0.28m	rising	07:01 AM TUE 21/12/10
Obi Obi Ck st Baroon TW #	0.85m	steady	07:08 AM TUE 21/12/10
Mary R at Bellbird Ck #	1.68m	steady	06:56 AM TUE 21/12/10
Mary R at Bellbird Ck *	1.71m	falling	05:00 AM TUE 21/12/10
Mary R at Kenilworth H/S #	1.12m	rising	07:38 AM TUE 21/12/10
Mary R at Moy Pocket #	3.90m	falling	07:36 AM TUE 21/12/10
Mary R at Moy Pocket *	4.25m	falling	05:00 AM TUE 21/12/10
Yabba Ck at Borumba Dam HW *	0.45m	falling	05:00 AM TUE 21/12/10
Kandanga Ck at Hygait *	1.25m	falling	05:00 AM TUE 21/12/10
Amamoor Ck at Zachariah *	2.13m	falling	05:00 AM TUE 21/12/10
Mary R at Dagun Pocket *	10.70m	rising	08:30 PM MON 20/12/10
Six Mile Ck at Lake MacDonald Dr#	2.00m	falling	12:24 AM TUE 21/12/10
Deep Ck at Cedar Pocket Dam #	101.11m	steady	06:59 AM TUE 21/12/10
Mary R at Gympie Weir *	11.42m	falling	05:15 AM TUE 21/12/10
Mary R at Gympie #	10.89m	rising	07:19 AM TUE 21/12/10
Mary R at Fishermans Pocket *	12.06m	rising	05:00 AM TUE 21/12/10
Glastonbury Ck at Glastonbury *	1.28m	falling	03:00 AM TUE 21/12/10
Wide Bay Ck at Kilkivan *	0.83m	falling	05:00 AM TUE 21/12/10
Wide Bay Ck at Brooyar *	2.86m	falling	05:00 AM TUE 21/12/10
Mary R at Miva *	10.81m	falling	05:00 AM TUE 21/12/10
Munna Ck at Marodian *	6.74m	rising	05:00 AM TUE 21/12/10
Mary R at Home Park *	9.62m	rising	05:30 AM TUE 21/12/10
Mary R at The Barrage *	5.88m	steady	06:00 AM TUE 21/12/10
Tinana Ck at Tagigan Rd *	2.75m	falling	05:00 AM TUE 21/12/10
Tinana Ck at Bauple East *	7.88m	rising	05:00 AM TUE 21/12/10
Tinana Ck at Teddington Weir *	9.90m	steady	05:50 AM TUE 21/12/10
Mary R at Churchill St *	2.04m	falling	05:41 AM TUE 21/12/10
Bunya Ck at Booral Rd #	0.10m	rising	07:38 AM TUE 21/12/10
Black Swamp Ck at Maryborough Rd #	-2.20m	falling	07:24 AM TUE 21/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE MARY RIVER
Issued at 8:10 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are falling along the Mary River with flood
levels expected to fall to minor levels at Miva and Home Park during today.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.43m steady	06:00 AM WED 22/12/10
Obi Obi Ck at Baroon Dam #	0.26m steady	06:59 AM WED 22/12/10
Obi Obi Ck st Baroon TW #	0.63m steady	06:00 AM WED 22/12/10
Mary R at Bellbird Ck #	1.38m steady	06:56 AM WED 22/12/10
Mary R at Bellbird Ck *	1.4m steady	06:00 AM WED 22/12/10
Mary R at Kenilworth H/S #	0.72m steady	06:12 AM WED 22/12/10
Mary R at Moy Pocket #	2.8m falling	06:30 AM WED 22/12/10
Mary R at Moy Pocket *	2.83m falling	06:00 AM WED 22/12/10
Yabba Ck at Borumba Dam HW *	0.24m steady	04:15 AM WED 22/12/10
Kandanga Ck at Hygait *	0.9m steady	06:00 AM WED 22/12/10
Amamoor Ck at Zachariah *	1.96m steady	05:11 AM WED 22/12/10
Six Mile Ck at Lake MacDonald Dr#	0.95m steady	05:37 AM WED 22/12/10
Six Mile Ck at Cooran *	2.97m steady	06:24 AM WED 22/12/10
Deep Ck at Cedar Pocket Dam #	101.05m steady	07:54 AM WED 22/12/10
Mary R at Gympie Weir *	8.24m falling	05:30 AM WED 22/12/10
Mary R at Gympie #	6.94m falling	07:55 AM WED 22/12/10
Mary R at Fishermans Pocket *	9.79m falling	05:50 AM WED 22/12/10
Glastonbury Ck at Glastonbury *	1.04m steady	05:00 AM WED 22/12/10
Wide Bay Ck at Kilkivan *	0.63m falling	05:00 AM WED 22/12/10
Wide Bay Ck at Brooyar *	1.98m falling	06:00 AM WED 22/12/10
Mary R at Miva *	9.98m steady	06:00 AM WED 22/12/10
Munna Ck at Marodian *	3.99m falling	06:00 AM WED 22/12/10
Mary R at Home Park *	9.3m steady	11:00 PM TUE 21/12/10
Mary R at The Barrage *	5.74m steady	07:00 AM WED 22/12/10
Tinana Ck at Tagigan Rd *	1.77m steady	06:00 AM WED 22/12/10
Tinana Ck at Bauple East *	7.59m falling	06:00 AM WED 22/12/10
Tinana Ck at Teddington Weir *	9.91m steady	02:51 AM WED 22/12/10
Mary R at Churchill St *	1.99m falling	05:41 AM WED 22/12/10
Bunya Ck at Booral Rd #	-0.1m falling	07:56 AM WED 22/12/10
Black Swamp Ck at Maryborough Rd #	-2.45m steady	05:33 AM WED 22/12/10
Urangan Boat Harbour tide *	2.73m rising	06:50 AM WED 22/12/10

*automatic station

Warnings and River Height Bulletins are available at
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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 5:19 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30-50mm have been recorded since 9am Thursday across the upper Mary catchment. River rises are occurring along the Mary River with minor flooding expected to develop during this evening.

Recent heavy rainfall of 72mm has been recorded at Gympie during the previous 3 hours to 5pm causing minor flood levels. The heavy rainfall continues to fall across the catchment, and higher flood levels and moderate flooding are possible overnight.

At 5:10pm Thursday, the river level in the Mary River at Gympie was 6.14 metres and rising with minor flooding.

Weather Forecast:
Rain areas and isolated thunderstorms with possible moderate to heavy falls, contracting east.

Next Issue:
The next warning will be issued at about 8:30pm Thursday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.41m steady	03:00 PM THU 06/01/11
Obi Obi Ck at Baroon Dam #	0.21m steady	04:59 PM THU 06/01/11
Obi Obi Ck st Baroon TW #	0.54m steady	05:08 PM THU 06/01/11
Mary R at Bellbird Ck #	1.68m rising	04:52 PM THU 06/01/11
Mary R at Kenilworth H/S #	0.97m rising	05:10 PM THU 06/01/11
Mary R at Moy Pocket #	2.75m rising	04:30 PM THU 06/01/11
Yabba Ck at Borumba Dam HW *	0.32m rising	02:45 PM THU 06/01/11
Kandanga Ck at Hygait *	2.24m rising	04:30 PM THU 06/01/11
Amamoor Ck at Zachariah *	3.07m rising	04:30 PM THU 06/01/11
Mary R at Dagun Pocket *	3.64m rising	02:15 PM THU 06/01/11
Six Mile Ck at Lake MacDonald Dr#	1.5m rising	05:06 PM THU 06/01/11
Six Mile Ck at Cooran #	3.37m rising	05:09 PM THU 06/01/11
Deep Ck at Cedar Pocket Dam #	101.39m rising	05:10 PM THU 06/01/11
Mary R at Gympie #	6.14m rising	05:12 PM THU 06/01/11
Mary R at Fishermans Pocket *	7.36m rising	04:30 PM THU 06/01/11
Glastonbury Ck at Glastonbury *	3m rising	04:00 PM THU 06/01/11
Wide Bay Ck at Kilkivan *	1.28m steady	02:27 PM THU 06/01/11
Wide Bay Ck at Brooyar *	4.66m rising	04:26 PM THU 06/01/11
Mary R at Miva *	7.67m rising	04:30 PM THU 06/01/11

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Munna Ck at Marodian *              3.99m rising   04:30 PM THU 06/01/11
Mary R at Home Park *               6.57m rising   04:27 PM THU 06/01/11
Mary R at Tiaro                     NA
Mary R at The Barrage *             4.7m rising    04:10 PM THU 06/01/11
Tinana Ck at Tagigan Rd *           2.94m rising   04:30 PM THU 06/01/11
Tinana Ck at Teddington Weir *      9.27m rising   02:59 PM THU 06/01/11
Mary R at Churchill St *            2.37m falling  02:41 PM THU 06/01/11
Bunya Ck at Booral Rd #             -0.2m steady   04:30 PM THU 06/01/11
Black Swamp Ck at Maryborough Rd #  -2.5m steady   02:32 PM THU 06/01/11
Urangan Boat Harbour tide *         1.18m falling  04:50 PM THU 06/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 8:31 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has eased during Thursday evening with totals of less then 5mm recorded
in the 3 hours to 8:30pm. Heavy rain areas are forecast to contract into eastern
parts of the Wide Bay and Burnett district on Friday.

River level rises causing minor flooding are occurring between Gympie and the
Home Park area. Further rises causing moderate flooding is likely between Miva
and Home Park during Friday. At 7:52pm Thursday, the Mary River level at Gympie
was 7.34 metres and rising causing minor flooding.

Weather Forecast:
Rain areas and isolated thunderstorms with possible moderate to heavy falls,
contracting east.

Next Issue:
The next warning will be issued at about 9am Friday or earlier if necessary.

Latest River Heights:
Obi Obi Ck at Baroon Dam #          -1m rising     07:55 PM THU 06/01/11
Obi Obi Ck st Baroon TW #           0.63m steady   07:33 PM THU 06/01/11
Mary R at Bellbird Ck #             2.28m rising   07:49 PM THU 06/01/11
Mary R at Kenilworth H/S #          1.47m rising   07:54 PM THU 06/01/11
Mary R at Moy Pocket #              3.25m rising   07:45 PM THU 06/01/11
Yabba Ck at Borumba Dam HW *        0.43m rising   05:30 PM THU 06/01/11
Kandanga Ck at Hygait *             2.69m rising   06:00 PM THU 06/01/11
Amamoor Ck at Zachariah *           3.42m rising   06:00 PM THU 06/01/11
Mary R at Dagun Pocket *            4.12m rising   05:30 PM THU 06/01/11
Six Mile Ck at Lake MacDonald Dr#   2.2m rising    07:52 PM THU 06/01/11
Six Mile Ck at Cooran #             4.37m rising   07:56 PM THU 06/01/11
Deep Ck at Cedar Pocket Dam #       101.54m steady 07:54 PM THU 06/01/11
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Mary R at Gympie #	7.34m rising	07:52 PM THU 06/01/11
Mary R at Fishermans Pocket *	9.19m rising	06:30 PM THU 06/01/11
Glastonbury Ck at Glastonbury *	5.13m rising	06:00 PM THU 06/01/11
Wide Bay Ck at Kilkivan *	1.59m rising	05:00 PM THU 06/01/11
Wide Bay Ck at Brooyar *	4.6m steady	06:00 PM THU 06/01/11
Mary R at Miva *	8.61m rising	06:30 PM THU 06/01/11
Munna Ck at Marodian *	5.53m rising	06:20 PM THU 06/01/11
Mary R at Home Park *	6.95m rising	06:10 PM THU 06/01/11
Mary R at The Barrage *	4.98m rising	07:10 PM THU 06/01/11
Tinana Ck at Tagigan Rd *	4.45m rising	06:30 PM THU 06/01/11
Tinana Ck at Teddington Weir *	9.59m rising	05:52 PM THU 06/01/11
Mary R at Churchill St *	1.32m falling	05:41 PM THU 06/01/11
Bunya Ck at Booral Rd #	-0.2m steady	07:30 PM THU 06/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m steady	05:32 PM THU 06/01/11
Urangan Boat Harbour tide *	1.9m rising	06:50 PM THU 06/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 8:43 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

30mm of rainfall has fallen over the Six Mile Creek area in the past 3 hours causing further small rises at Cooran.

Minor to moderate flooding is occurring on the Mary River between Dagun Pocket and Tiaro.

Further rises and minor to moderate flooding is expected to continue on the Mary River between Dagun Pocket and Tiaro during Friday and Saturday. At 8am Friday, the Mary River at Gympie was 9.39 metres and rising.

Moderate to heavy rainfall is forecast for the catchment Friday which could cause river levels to rise further.

Maryborough is currently expected to remain below the minor flood level but further rainfall during Friday may cause higher river levels.

Weather Forecast:
Rain areas and local thunder with some moderate to heavy falls developing during the day.

Next Issue:

The next warning will be issued at about 2pm Friday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.48m steady	06:00 AM FRI 07/01/11
Obi Obi Ck st Baroon TW #	0.68m steady	06:18 AM FRI 07/01/11
Mary R at Bellbird Ck #	1.88m falling	07:24 AM FRI 07/01/11
Mary R at Kenilworth H/S #	1.37m falling	06:49 AM FRI 07/01/11
Mary R at Moy Pocket #	5.15m falling	07:37 AM FRI 07/01/11
Yabba Ck at Borumba Dam HW *	0.87m falling	05:15 AM FRI 07/01/11
Kandanga Ck at Hygait *	2.75m falling	06:10 AM FRI 07/01/11
Amamoor Ck at Zachariah *	2.7m falling	06:11 AM FRI 07/01/11
Mary R at Dagun Pocket *	8.17m rising	05:45 AM FRI 07/01/11
Six Mile Ck at Lake MacDonald Dr#	2.95m falling	07:12 AM FRI 07/01/11
Six Mile Ck at Cooran #	5.47m rising	07:42 AM FRI 07/01/11
Deep Ck at Cedar Pocket Dam #	101.26m steady	07:50 AM FRI 07/01/11
Mary R at Gympie #	9.34m rising	06:46 AM FRI 07/01/11
Mary R at Fishermans Pocket *	10.77m steady	06:06 AM FRI 07/01/11
Glastonbury Ck at Glastonbury *	1.96m falling	06:00 AM FRI 07/01/11
Wide Bay Ck at Kilkivan *	1.43m falling	05:17 AM FRI 07/01/11
Wide Bay Ck at Brooyar *	5.1m falling	06:00 AM FRI 07/01/11
Mary R at Miva *	11.55m steady	06:00 AM FRI 07/01/11
Munna Ck at Marodian *	5.48m falling	06:20 AM FRI 07/01/11
Mary R at Home Park *	8.32m rising	11:40 PM THU 06/01/11
Mary R at The Barrage *	6m rising	06:55 AM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.94m falling	06:00 AM FRI 07/01/11
Tinana Ck at Teddington Weir *	9.94m rising	05:52 AM FRI 07/01/11
Tinana Ck at Tinana Barrage *	3.66m steady	06:00 AM FRI 07/01/11
Mary R at Churchill St *	2.19m falling	05:41 AM FRI 07/01/11
Urangan Boat Harbour tide *	2.13m rising	06:50 AM FRI 07/01/11

*, # denote automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 2:25 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall between 25 - 50 mm with isolated falls of 60 - 80 mm have been recorded over Six Mile Creek and the Mary River upstream from Gympie since 9am Friday. This has caused further rises and minor to moderate flooding along the Mary River from Dagun Pocket to Tiaro.

Minor flooding is occurring on the Mary River between Dagun Pocket and Fisherman's Pocket including Gympie with at least moderate flood levels expected to develop between Gympie and Fisherman's Pocket overnight Friday. At 2pm Friday the Mary River at Gympie was 9.79 metres and rising.

Moderate flooding extends downstream between Miva and Tiaro. Renewed rises during Saturday will maintain moderate flood levels.

Further rainfall with some moderate to heavy falls is expected over the catchment area Friday afternoon and evening which could cause river levels to rise further.

Maryborough is currently expected to remain below the minor flood level but further rainfall is expected and the situation will continue to be monitored.

Predicted River Heights/Flows:
Gympie: Reach at least 12 metres overnight Friday with further rises as rainfall continues.

Next Issue:
The next warning will be issued at about 2pm Friday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.46m steady	12:00 PM FRI 07/01/11
Obi Obi Ck st Baroon TW #	0.77m steady	12:58 PM FRI 07/01/11
Mary R at Bellbird Ck #	2.28m rising	01:25 PM FRI 07/01/11
Mary R at Kenilworth H/S #	1.67m rising	01:20 PM FRI 07/01/11
Mary R at Moy Pocket #	5.1m rising	01:26 PM FRI 07/01/11
Mary R at Moy Pocket *	4.87m rising	12:31 PM FRI 07/01/11
Yabba Ck at Borumba Dam HW *	0.72m steady	11:00 AM FRI 07/01/11
Kandanga Ck at Hygait *	2.87m rising	12:30 PM FRI 07/01/11
Amamoor Ck at Zachariah *	3.31m steady	12:28 PM FRI 07/01/11
Mary R at Dagun Pocket *	9.33m rising	11:45 AM FRI 07/01/11
Six Mile Ck at Lake MacDonald Dr#	3.7m rising	01:22 PM FRI 07/01/11
Six Mile Ck at Cooran #	6.42m steady	01:28 PM FRI 07/01/11
Deep Ck at Cedar Pocket Dam #	101.3m steady	01:20 PM FRI 07/01/11
Mary R at Gympie #	9.69m rising	01:25 PM FRI 07/01/11
Mary R at Fishermans Pocket *	10.94m steady	12:02 PM FRI 07/01/11
Glastonbury Ck at Glastonbury *	1.79m rising	12:00 PM FRI 07/01/11
Wide Bay Ck at Kilkivan *	1.23m falling	11:00 AM FRI 07/01/11
Wide Bay Ck at Brooyar *	4.53m falling	12:00 PM FRI 07/01/11
Mary R at Miva *	11.86m falling	12:20 PM FRI 07/01/11
Munna Ck at Marodian *	5.32m steady	12:02 PM FRI 07/01/11
Mary R at Home Park *	10.26m rising	11:50 AM FRI 07/01/11
Mary R at The Barrage *	6.16m steady	12:00 PM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.42m falling	12:00 PM FRI 07/01/11
Tinana Ck at Bauple East *	7.14m rising	12:00 PM FRI 07/01/11
Tinana Ck at Teddington Weir *	9.92m falling	11:57 AM FRI 07/01/11
Tinana Ck at Tinana Barrage *	3.66m steady	06:00 AM FRI 07/01/11
Mary R at Churchill St *	3.88m rising	11:41 AM FRI 07/01/11
Urangan Boat Harbour tide *	3.13m falling	12:50 PM FRI 07/01/11

*, # denotes automatic station.

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IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 2:28 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall between 25 - 50 mm with isolated falls of 60 - 80 mm have been recorded over Six Mile Creek and the Mary River upstream from Gympie since 9am Friday. This has caused further rises and minor to moderate flooding along the Mary River from Dagun Pocket to Tiaro.

Minor flooding is occurring on the Mary River between Dagun Pocket and Fisherman's Pocket including Gympie with at least moderate flood levels expected to develop between Gympie and Fisherman's Pocket overnight Friday. At 2pm Friday the Mary River at Gympie was 9.79 metres and rising.

Moderate flooding extends downstream between Miva and Tiaro. Renewed rises during Saturday will maintain moderate flood levels.

Further rainfall with some moderate to heavy falls is expected over the catchment area Friday afternoon and evening which could cause river levels to rise further.

Maryborough is currently expected to remain below the minor flood level but further rainfall is expected and the situation will continue to be monitored.

Predicted River Heights/Flows:
Gympie: Reach at least 12 metres overnight Friday with further rises as rainfall continues.

Next Issue:
The next warning will be issued at about 7pm Friday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.48m rising	01:00 PM FRI 07/01/11
Obi Obi Ck at Baroon Dam #	-0.4m rising	05:20 AM FRI 07/01/11
Obi Obi Ck st Baroon TW #	0.83m rising	02:23 PM FRI 07/01/11
Mary R at Bellbird Ck #	2.68m rising	02:25 PM FRI 07/01/11
Mary R at Bellbird Ck *	2.33m rising	01:30 PM FRI 07/01/11
Mary R at Kenilworth Br	NA	
Mary R at Kenilworth H/S #	2.02m rising	02:23 PM FRI 07/01/11
Mary R at Moy Pocket #	5.25m rising	02:24 PM FRI 07/01/11
Mary R at Moy Pocket *	5.09m falling	01:31 PM FRI 07/01/11
Yabba Ck at Borumba Dam HW *	0.72m steady	11:00 AM FRI 07/01/11
Yabba Ck at Borumba Dam	NA	
Yabba Ck at Imbil	NA	
Yabba Ck at Imbil *	NA	
Kandanga Ck at Hygait *	3.19m rising	01:20 PM FRI 07/01/11
Amamoor Ck at Zachariah *	3.74m rising	01:20 PM FRI 07/01/11
Mary R at Dagun Pocket *	9.33m rising	11:45 AM FRI 07/01/11
Six Mile Ck at Lake MacDonald Dam #	NA	
Six Mile Ck at Lake MacDonald Dr#	3.95m rising	02:26 PM FRI 07/01/11
Six Mile Ck at Cooran	NA	
Six Mile Ck at Cooran *	6.46m steady	01:19 PM FRI 07/01/11
Six Mile Ck at Cooran #	6.62m rising	02:17 PM FRI 07/01/11
Deep Ck at Cedar Pocket Dam #	101.48m rising	02:20 PM FRI 07/01/11
Mary R at Gympie Weir *	10.41m rising	02:15 PM FRI 07/01/11

Mary R at Gympie	NA	
Mary R at Gympie #	9.89m rising	02:21 PM FRI 07/01/11
Mary R at Fishermans Pocket *	11.02m steady	01:13 PM FRI 07/01/11
Glastonbury Ck at Glastonbury *	1.79m rising	12:00 PM FRI 07/01/11
Wide Bay Ck at Kilkivan *	1.23m falling	11:00 AM FRI 07/01/11
Wide Bay Ck at Woolooga	NA	
Wide Bay Ck at Brooyar *	4.31m falling	01:07 PM FRI 07/01/11
Mary R at Miva	NA	
Mary R at Miva *	11.86m steady	01:00 PM FRI 07/01/11
Munna Ck at Marodian *	5.36m rising	01:00 PM FRI 07/01/11
Mary R at Home Park *	10.3m rising	01:12 PM FRI 07/01/11
Mary R at Tiaro	NA	
Mary R at The Barrage *	6.17m rising	12:35 PM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.35m falling	01:00 PM FRI 07/01/11
Tinana Ck at Bauple East *	7.27m rising	01:00 PM FRI 07/01/11
Tinana Ck at Teddington Weir HW	NA	
Tinana Ck at Teddington Weir *	9.92m falling	11:57 AM FRI 07/01/11
Tinana Ck at Tinana Barrage *	3.66m steady	06:00 AM FRI 07/01/11
Mary R at Maryborough	NA	
Mary R at Churchill St *	3.88m rising	11:41 AM FRI 07/01/11
Bunya Ck at Booral Rd #	-0.05m rising	02:25 PM FRI 07/01/11
Black Swamp Ck at Maryborough Rd #	-2.4m steady	11:32 AM FRI 07/01/11
Urangan Boat Harbour tide *	3.13m falling	12:50 PM FRI 07/01/11

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IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 7:12 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall has eased across the upper Mary catchment during Friday afternoon, however moderate to heavy rainfall is continuing in the lower Mary catchment below the Gympie area. Fast river rises and minor to moderate flooding is occurring along the Mary River during Friday evening, which is expected to cause moderate flooding overnight downstream from Dagun Pocket through to Tiaro. Minor flooding also continues to rise along Six Mile Creek.

Maryborough is currently expected to remain below the minor flood level.

Minor flooding continues along Six Mile Creek between Lake Macdonald and Cooran. Minor flooding also continues along the upper Mary River between Bellbird and Fisherman's Pocket including Gympie, with river rises occurring downstream from Bellbird. At least moderate flood levels are expected to develop between Gympie and Fisherman's Pocket overnight Friday and remain high during Saturday.

At 6:20pm Friday, the river level in the Mary River at Gympie was 11.04 metres

and rising fast with minor flooding. Further rises are expected to exceed 12 metres (moderate flood level) overnight Friday.

Moderate flooding continues downstream along the lower Mary River between Miva and Tiaro, with fast rises occurring with the heavy rainfall during Friday afternoon and evening. River level rises overnight are expected to maintain high moderate flood levels during Saturday.

River levels downstream at Maryborough are currently expected to remain below the minor flood level.

Further rainfall with some moderate to heavy falls are expected to continue over the catchment area overnight Friday which could raise river levels to higher levels. The situation will continue to be monitored.

Predicted River Heights/Flows:

Gympie	Reach at least 12 metres (moderate flood level) overnight Friday, with further rises and 13 metres possible as the heavy rainfall remains in the catchment.

Weather Forecast:
Rain areas and local thunder at times with some moderate to heavy falls possible.

Next Issue:
The next warning will be issued at about 10:30pm Friday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.59m	rising	05:00 PM FRI 07/01/11
Obi Obi Ck at Baroon Dam #	-0.4m	rising	05:20 AM FRI 07/01/11
Mary R at Bellbird Ck #	4.53m	rising	06:59 PM FRI 07/01/11
Mary R at Kenilworth H/S #	5.57m	falling	07:03 PM FRI 07/01/11
Mary R at Moy Pocket #	7.5m	rising	07:01 PM FRI 07/01/11
Mary R at Moy Pocket *	6.65m	rising	05:50 PM FRI 07/01/11
Yabba Ck at Borumba Dam HW *	1.61m	rising	05:30 PM FRI 07/01/11
Kandanga Ck at Hygait *	4.37m	rising	05:50 PM FRI 07/01/11
Amamoor Ck at Zachariah *	5.67m	rising	05:30 PM FRI 07/01/11
Mary R at Dagun Pocket *	10.49m	rising	05:30 PM FRI 07/01/11
Six Mile Ck at Lake MacDonald Dr#	4.8m	rising	06:58 PM FRI 07/01/11
Six Mile Ck at Cooran #	7.27m	rising	06:45 PM FRI 07/01/11
Deep Ck at Cedar Pocket Dam #	101.79m	steady	07:00 PM FRI 07/01/11
Mary R at Gympie Weir *	11.36m	rising	05:30 PM FRI 07/01/11
Mary R at Gympie #	11.24m	rising	07:03 PM FRI 07/01/11
Mary R at Fishermans Pocket *	12.18m	steady	05:32 PM FRI 07/01/11
Glastonbury Ck at Glastonbury *	5.39m	rising	05:20 PM FRI 07/01/11
Wide Bay Ck at Kilkivan *	2.09m	rising	05:46 PM FRI 07/01/11
Wide Bay Ck at Brooyar *	4.83m	rising	05:29 PM FRI 07/01/11
Mary R at Miva *	12.31m	rising	05:40 PM FRI 07/01/11
Munna Ck at Marodian *	6.74m	rising	05:30 PM FRI 07/01/11
Mary R at Home Park *	11.07m	rising	05:20 PM FRI 07/01/11
Mary R at Tiaro	9.5m	rising	04:00 PM FRI 07/01/11
Mary R at The Barrage *	6.53m	rising	06:05 PM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.24m	steady	05:00 PM FRI 07/01/11
Tinana Ck at Bauple East *	7.89m	rising	05:30 PM FRI 07/01/11
Tinana Ck at Teddington Weir *	9.94m	rising	02:51 PM FRI 07/01/11
Tinana Ck at Tinana Barrage *	3.66m	steady	06:00 AM FRI 07/01/11
Mary R at Maryborough	NA		
Mary R at Churchill St *	3.08m	falling	05:41 PM FRI 07/01/11
Bunya Ck at Booral Rd #	0.5m	rising	07:04 PM FRI 07/01/11
Black Swamp Ck at Maryborough Rd #	-1.85m	rising	06:56 PM FRI 07/01/11
Urangan Boat Harbour tide *	1.36m	steady	05:50 PM FRI 07/01/11

*,# denotes automatic station.

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IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 11:15 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall continues to fall across the lower Mary catchment below the
Gympie area, where rainfall totals between 140-180mm have been recorded since
9am Friday. Fast river rises and moderate to major flooding are occurring along
the Mary River between Gympie and Tiaro during Friday evening, with minor
flooding also expected overnight downstream at Maryborough.

Fast river rises and moderate to major flooding are occurring along the lower
Mary River between Gympie and Tiaro, with minor flood levels also rising at The
Barrage. Moderate to major flooding is also occurring in Wide Bay Creek, and in
Munna and Tinana Creeks.

River levels downstream at Maryborough are currently expected to reach the minor
flood level of 5 metres overnight Friday, with higher levels likely as the heavy
rainfall continues in the Maryborough area.

Minor flooding is also occurring in Six Mile Creek and in the upper Mary River
between the Kenilworth Homestead and Dagun Pocket. At 10:15pm Friday, the river
level at Gympie was 12.04 metres and rising with moderate flooding.

Further heavy rainfall is likely to continue overnight, which is likely to
result in higher levels and the situation will continue to be monitored closely.

Predicted River Heights/Flows:

Gympie	Further rises to 13 metres likely as the heavy rainfall remains in the catchment.
Miva	Reach near major flood level (15.5 metres) overnight Friday.
Tiaro	Exceed major flood level (12.0 metres) overnight Friday.
Maryborough	Exceed 5 metres (minor flood) overnight. Reach at least 6 metres during Saturday.

Next Issue:
The next warning will be issued at about 2am Saturday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.54m	falling	08:00 PM FRI 07/01/11
Mary R at Bellbird Ck #	3.08m	falling	10:05 PM FRI 07/01/11
Mary R at Kenilworth H/S #	4.52m	falling	10:10 PM FRI 07/01/11
Mary R at Moy Pocket #	9.35m	rising	10:12 PM FRI 07/01/11
Kandanga Ck at Hygait *	5.35m	rising	08:30 PM FRI 07/01/11
Amamoor Ck at Zachariah *	7.36m	rising	08:20 PM FRI 07/01/11
Mary R at Dagun Pocket *	11.05m	rising	08:30 PM FRI 07/01/11
Six Mile Ck at Lake MacDonald Dr#	4.75m	falling	09:28 PM FRI 07/01/11
Six Mile Ck at Cooran #	7.62m	rising	09:26 PM FRI 07/01/11
Deep Ck at Cedar Pocket Dam #	101.59m	steady	10:00 PM FRI 07/01/11
Mary R at Gympie Weir *	12.12m	rising	08:30 PM FRI 07/01/11
Mary R at Gympie #	11.99m	rising	10:05 PM FRI 07/01/11
Mary R at Fishermans Pocket *	13.61m	rising	09:30 PM FRI 07/01/11
Glastonbury Ck at Glastonbury *	5.81m	falling	09:20 PM FRI 07/01/11
Wide Bay Ck at Kilkivan *	8.61m	rising	08:55 PM FRI 07/01/11
Wide Bay Ck at Brooyar *	9.71m	rising	09:28 PM FRI 07/01/11
Mary R at Miva *	13.76m	rising	09:20 PM FRI 07/01/11
Munna Ck at Marodian *	10.24m	rising	09:30 PM FRI 07/01/11
Mary R at Home Park *	12.6m	rising	08:39 PM FRI 07/01/11
Mary R at Tiaro	9.5m	rising	04:00 PM FRI 07/01/11
Mary R at The Barrage *	7.12m	rising	09:10 PM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.43m	rising	08:00 PM FRI 07/01/11
Tinana Ck at Bauple East *	8.76m	rising	08:50 PM FRI 07/01/11
Tinana Ck at Teddington Weir *	10.75m	rising	08:58 PM FRI 07/01/11
Tinana Ck at Tinana Barrage *	3.66m	steady	06:00 AM FRI 07/01/11
Mary R at Maryborough	NA		
Mary R at Churchill St *	3.55m	rising	08:41 PM FRI 07/01/11
Bunya Ck at Booral Rd #	0.5m	falling	10:04 PM FRI 07/01/11
Black Swamp Ck at Maryborough Rd #	-1.35m	rising	08:42 PM FRI 07/01/11
Urangan Boat Harbour tide *	3.25m	rising	09:50 PM FRI 07/01/11

*,# denotes automatic station.

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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 2:09 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall continues to fall across the lower Mary catchment below the
Gympie area, where rainfall totals between 150-180mm have been recorded since
9am Friday. Fast river rises and moderate to major flooding are occurring along
the Mary River between Gympie and Tiaro during Saturday morning, with minor
flooding rising downstream at Maryborough.

Fast river rises and moderate to major flooding are occurring along the lower

Mary River between Gympie and Tiaro, with minor flood levels rising between The Barrage and at Maryborough. Moderate to major flooding is also occurring in Wide Bay Creek, Munna and Tinana Creeks.

River levels downstream at Maryborough are currently at the level of the Lamington Bridge with further rises expected as upstream floodwaters arrive. Rises to above 6 metres are expected during Saturday morning with rises above 7 metres possible later in the weekend.

Minor flooding is occurring in Six Mile, Kandanga and Amamoor Creeks and in the upper Mary River between Moy Pocket and Dagun Pocket. At 1:40am Saturday, the river level at Gympie was 12.74 metres and rising with moderate flooding.

Further heavy rainfall is forecast to continue during Saturday, which is likely to result in higher levels. The situation will continue to be monitored closely.

Predicted River Heights/Flows:

Gympie	Further rises to above 13 metres expected Peak around 13.5 metres during Saturday morning.
Miva	Major flood peak during Saturday morning.
Tiaro	Major flood peak overnight Saturday.
Maryborough	Reach at least 6 metres during Saturday morning with further rises above 7 metres possible.

Next Issue:
The next warning will be issued at about 6am Saturday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.48m steady	12:00 AM SAT 08/01/11
Obi Obi Ck at Baroon Dam #	-0.4m rising	05:20 AM FRI 07/01/11
Obi Obi Ck st Baroon TW #	0.83m steady	01:08 AM SAT 08/01/11
Mary R at Bellbird Ck #	2.48m falling	01:20 AM SAT 08/01/11
Mary R at Kenilworth H/S #	2.82m falling	01:43 AM SAT 08/01/11
Mary R at Moy Pocket #	9.55m falling	01:38 AM SAT 08/01/11
Yabba Ck at Borumba Dam HW *	1.38m falling	01:30 AM SAT 08/01/11
Kandanga Ck at Hygait *	6.12m falling	12:40 AM SAT 08/01/11
Amamoor Ck at Zachariah *	7.35m falling	12:00 AM SAT 08/01/11
Mary R at Dagun Pocket *	11.91m rising	01:30 AM SAT 08/01/11
Six Mile Ck at Lake MacDonald Dr#	4.4m falling	01:23 AM SAT 08/01/11
Six Mile Ck at Cooran #	8.42m rising	01:28 AM SAT 08/01/11
Deep Ck at Cedar Pocket Dam #	101.65m falling	01:40 AM SAT 08/01/11
Mary R at Gympie Weir *	13.16m rising	01:30 AM SAT 08/01/11
Mary R at Gympie #	12.74m rising	01:39 AM SAT 08/01/11
Mary R at Fishermans Pocket *	14.29m rising	12:00 AM SAT 08/01/11
Glastonbury Ck at Glastonbury *	4.78m rising	12:00 AM SAT 08/01/11
Wide Bay Ck at Kilkivan *	8.19m falling	11:50 PM FRI 07/01/11
Wide Bay Ck at Brooyar *	11.83m rising	12:00 AM SAT 08/01/11
Mary R at Miva *	15.19m rising	12:40 AM SAT 08/01/11
Munna Ck at Marodian *	11.55m rising	12:30 AM SAT 08/01/11
Mary R at Home Park *	14.55m rising	12:10 AM SAT 08/01/11
Mary R at Tiaro	9.5m rising	04:00 PM FRI 07/01/11
Mary R at The Barrage *	7.12m rising	09:10 PM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.75m rising	12:00 AM SAT 08/01/11
Tinana Ck at Bauple East *	9.7m rising	12:00 AM SAT 08/01/11
Tinana Ck at Teddington Weir *	11.21m rising	01:41 AM SAT 08/01/11
Tinana Ck at Tinana Barrage *	3.66m steady	06:00 AM FRI 07/01/11
Mary R at Maryborough	5.5m rising	12:45 AM SAT 08/01/11
Mary R at Churchill St *	5.03m rising	01:40 AM SAT 08/01/11

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Bunya Ck at Booral Rd #             0.3m falling    01:44 AM SAT 08/01/11
Black Swamp Ck at Maryborough Rd #  -1.25m rising   12:13 AM SAT 08/01/11
Urangan Boat Harbour tide *         2.62m falling   12:50 AM SAT 08/01/11

*,# from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 5:57 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall continues across the lower Mary catchment downstream of Gympie,
where rainfall totals between up to 250mm have been recorded since 9am Friday
causing  major flooding between Gympie and Tiaro. Flood levels at Maryborough of
at least 7.5 metres are expected during Saturday. Moderate to major flooding is
occurring in Wide Bay Creek, Munna and Tinana Creeks.


Major flood levels are rising between Miva and Tiaro and along Wide Bay Creek at
Brooyar. Rises near to 17 metres are expected at Tiaro with further rises likely
as rainfall continues.

River levels at Maryborough are expected to rise further this morning. At this
stage, rises to 7.5 metres are forecast and levels of 8 metres are possible
while rainfall continues.

Minor flooding is occurring in Six Mile, Kandanga and Amamoor Creeks and in the
upper Mary River between Moy Pocket and Dagun Pocket. Levels of at least 14
metres are expected at Gympie during Saturday. At 5am Saturday, the river level
at Gympie was 13.29 metres and rising with moderate flooding.

Further heavy rainfall is forecast to continue during Saturday, which is likely
to result in higher levels.

Predicted River Heights/Flows:
Gympie:       Reach at least 14 metres during Saturday with further
 rises possible.

Miva:         Reach 17.5 metres during Saturday with further rises possible.

Tiaro:        Reach 16.5 metres during Saturday with further rises possible.

Maryborough:  Reach at least 7.5 metres during Saturday morning
              with further rises possible.

Next Issue:
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The next warning will be issued at about 10am Saturday.

Latest River Heights:

Mary R at Dagun Pocket *	12.37m rising	04:30 AM SAT 08/01/11
Six Mile Ck at Cooran #	8.82m rising	04:55 AM SAT 08/01/11
Deep Ck at Cedar Pocket Dam #	101.55m steady	05:00 AM SAT 08/01/11
Mary R at Gympie Weir *	13.71m rising	04:30 AM SAT 08/01/11
Mary R at Gympie #	13.29m rising	04:46 AM SAT 08/01/11
Mary R at Fishermans Pocket *	14.78m rising	04:40 AM SAT 08/01/11
Glastonbury Ck at Glastonbury *	4.26m falling	04:30 AM SAT 08/01/11
Wide Bay Ck at Kilkivan *	6.16m falling	04:40 AM SAT 08/01/11
Wide Bay Ck at Brooyar *	12.92m falling	04:38 AM SAT 08/01/11
Mary R at Miva *	16.91m rising	04:40 AM SAT 08/01/11
Munna Ck at Marodian *	11.96m rising	04:43 AM SAT 08/01/11
Mary R at Home Park *	14.55m rising	12:10 AM SAT 08/01/11
Mary R at Tiaro	9.5m rising	04:00 PM FRI 07/01/11
Mary R at The Barrage *	7.12m rising	09:10 PM FRI 07/01/11
Tinana Ck at Tagigan Rd *	4.91m steady	04:00 AM SAT 08/01/11
Tinana Ck at Bauple East *	9.96m steady	04:00 AM SAT 08/01/11
Tinana Ck at Teddington Weir *	11.4m rising	04:42 AM SAT 08/01/11
Tinana Ck at Tinana Barrage *	3.66m steady	06:00 AM FRI 07/01/11
Mary R at Maryborough	5.5m rising	12:45 AM SAT 08/01/11
Mary R at Churchill St *	5.33m rising	04:41 AM SAT 08/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 10:05 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall totals of up to 300mm have been recorded since 9am Friday causing major flooding between Gympie and Tiaro. River levels at Maryborough will rise further today with a peak expected during Sunday of around 9 metres, possibly higher. Moderate to major flooding is occurring in Wide Bay Creek, Munna and Tinana Creeks. Further rain is forecast.

Major flood levels are rising between Miva and Tiaro and along Wide Bay Creek at Brooyar. Rises to 18 metres are expected at Tiaro overnight with further rises possible.

River levels at Maryborough will rise further today with a peak expected during Sunday of around 9 metres, possibly higher. For comparison, the 1999 peak flood level was 8.75 metres.

Minor flooding is occurring in the upper Mary River between Moy Pocket and Dagun Pocket. A moderate flood peak of just over 14 metres is expected at Gympie during Saturday. At 10am Saturday, the river level at Gympie was 13.94 metres and rising. Moderate flood levels are occurring along Six Mile Creek at Cooran and are expected to fall through today.

Predicted River Heights/Flows:

Gympie: Peak around 14.3 metres during Saturday.

Miva: Reach 18.5 metres during Saturday with further rises possible.

Tiaro: Reach 18 metres overnight with further rises possible.

Maryborough: Continue rising during Saturday with a peak expected during Sunday of about 9 metres, possibly higher.

Next Issue:

The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.44m steady	08:00 AM SAT 08/01/11
Obi Obi Ck st Baroon TW #	0.76m steady	09:00 AM SAT 08/01/11
Mary R at Bellbird Ck #	1.98m falling	08:52 AM SAT 08/01/11
Mary R at Bellbird Ck *	2.08m falling	08:00 AM SAT 08/01/11
Mary R at Kenilworth H/S #	1.62m steady	09:11 AM SAT 08/01/11
Mary R at Moy Pocket #	7.35m falling	09:18 AM SAT 08/01/11
Mary R at Moy Pocket *	7.64m falling	08:30 AM SAT 08/01/11
Kandanga Ck at Hygait *	3.3m falling	08:30 AM SAT 08/01/11
Amamoor Ck at Zachariah *	3.42m falling	08:00 AM SAT 08/01/11
Mary R at Dagun Pocket *	12.76m rising	08:15 AM SAT 08/01/11
Six Mile Ck at Lake MacDonald Dr#	3.55m falling	09:19 AM SAT 08/01/11
Six Mile Ck at Cooran *	8.86m falling	08:00 AM SAT 08/01/11
Six Mile Ck at Cooran #	8.72m falling	08:43 AM SAT 08/01/11
Deep Ck at Cedar Pocket Dam #	101.49m steady	08:40 AM SAT 08/01/11
Mary R at Gympie Weir *	14.23m rising	08:15 AM SAT 08/01/11
Mary R at Gympie #	13.84m steady	09:01 AM SAT 08/01/11
Mary R at Fishermans Pocket *	15.06m steady	08:10 AM SAT 08/01/11
Glastonbury Ck at Glastonbury *	4.06m falling	04:50 AM SAT 08/01/11
Wide Bay Ck at Kilkivan *	3.5m falling	08:40 AM SAT 08/01/11
Wide Bay Ck at Brooyar *	9.78m falling	08:40 AM SAT 08/01/11
Mary R at Miva *	18.08m rising	08:30 AM SAT 08/01/11
Munna Ck at Marodian *	11.93m falling	08:00 AM SAT 08/01/11
Mary R at Home Park *	17.11m steady	08:20 AM SAT 08/01/11
Mary R at Tiaro	9.5m rising	04:00 PM FRI 07/01/11
Mary R at The Barrage *	9.35m rising	08:20 AM SAT 08/01/11
Tinana Ck at Tagigan Rd *	5.01m rising	08:00 AM SAT 08/01/11
Tinana Ck at Bauple East *	10.21m falling	08:00 AM SAT 08/01/11
Tinana Ck at Teddington Weir *	11.46m steady	07:43 AM SAT 08/01/11
Tinana Ck at Tinana Barrage *	5.97m rising	06:05 AM SAT 08/01/11
Mary R at Maryborough	6.2m rising slowly	09:00 AM SAT 08/01/11
Mary R at Churchill St *	5.76m rising	08:21 AM SAT 08/01/11
Bunya Ck at Booral Rd #	0.15m falling	09:19 AM SAT 08/01/11
Black Swamp Ck at Maryborough Rd #	-1.5m falling	08:59 AM SAT 08/01/11
Urangan Boat Harbour tide *	3.09m rising	08:50 AM SAT 08/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 12:21 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall totals of up to 300mm have been recorded since 9am Friday causing major flooding between Gympie and Tiaro. River levels at Maryborough will rise further this afternoon with a peak expected during Sunday of around 9 metres, possibly higher. Moderate to major flooding is occurring in Wide Bay Creek, Munna and Tinana Creeks. Further rain is forecast.

Major flood levels are rising between Miva and Tiaro and along Wide Bay Creek at Brooyar. Rises to 18 metres are expected at Tiaro overnight with further rises possible.

River levels at Maryborough will rise further today with a peak expected during Sunday of around 9 metres, possibly higher. For comparison, the 1999 peak flood level was 8.75 metres.

Minor flooding is occurring in the upper Mary River between Moy Pocket and Dagun Pocket. A moderate flood peak of just over 14 metres is expected at Gympie during Saturday. At noon Saturday, the river level at Gympie was 14.05 metres and rising. Moderate flood levels are occurring along Six Mile Creek at Cooran and are expected to fall through today.

Predicted River Heights/Flows:
Gympie: Peak around 14.3 metres during Saturday.

Miva: Reach 18.5 metres during Saturday with further rises possible.

Tiaro: Reach 18 metres overnight with further rises possible.

Maryborough: Continue rising during Saturday with a peak expected during Sunday of about 9 metres, possibly higher.

Next Issue:
The next warning will be issued at about 6pm Saturday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.44m steady	11:00 AM SAT 08/01/11
Obi Obi Ck st Baroon TW #	0.74m steady	12:00 PM SAT 08/01/11
Mary R at Bellbird Ck *	1.94m falling	11:00 AM SAT 08/01/11
Mary R at Kenilworth H/S #	1.42m steady	12:11 PM SAT 08/01/11
Mary R at Moy Pocket #	6.45m falling	12:11 PM SAT 08/01/11
Mary R at Moy Pocket *	6.68m falling	11:30 AM SAT 08/01/11
Yabba Ck at Borumba Dam HW *	0.79m falling	11:30 AM SAT 08/01/11
Kandanga Ck at Hygait *	2.74m falling	11:00 AM SAT 08/01/11
Amamoor Ck at Zachariah *	3.04m steady	11:00 AM SAT 08/01/11

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Mary R at Dagun Pocket *            12.84m falling 11:00 AM SAT 08/01/11
Six Mile Ck at Lake MacDonald Dr#   3.25m falling  12:15 PM SAT 08/01/11
Six Mile Ck at Cooran #             8.42m falling  12:06 PM SAT 08/01/11
Deep Ck at Cedar Pocket Dam #       101.43m steady 12:10 PM SAT 08/01/11
Mary R at Gympie Weir *             14.54m rising  11:30 AM SAT 08/01/11
Mary R at Gympie #                  14.09m steady  12:01 PM SAT 08/01/11
Mary R at Fishermans Pocket *       15.2m falling  11:00 AM SAT 08/01/11
Glastonbury Ck at Glastonbury *     4.06m falling  04:50 AM SAT 08/01/11
Wide Bay Ck at Kilkivan *           2.77m falling  11:00 AM SAT 08/01/11
Wide Bay Ck at Brooyar *            7.8m falling   11:50 AM SAT 08/01/11
Mary R at Miva                      18.5m rising   09:00 AM SAT 08/01/11
Munna Ck at Marodian *              11.29m falling 11:40 AM SAT 08/01/11
Mary R at Home Park *               17.84m rising  11:20 AM SAT 08/01/11
Mary R at Tiaro                     15.6m rising   10:45 AM SAT 08/01/11
Mary R at The Barrage *             9.81m rising   11:10 AM SAT 08/01/11
Tinana Ck at Tagigan Rd *           5.03m steady   11:00 AM SAT 08/01/11
Tinana Ck at Bauple East *          10.09m falling 11:00 AM SAT 08/01/11
Tinana Ck at Teddington Weir *      11.47m falling 11:53 AM SAT 08/01/11
Tinana Ck at Tinana Barrage *       5.97m rising   06:05 AM SAT 08/01/11
Mary R at Maryborough               6.7m rising    12:00 PM SAT 08/01/11
Mary R at Churchill St *            6.17m rising   11:41 AM SAT 08/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:36 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall totals of up to 300mm have been recorded since 9am Friday causing major
flooding between Gympie and Tiaro. River levels at Maryborough will rise further
overnight with a peak expected during Sunday of around 9 metres. Flooding has
now eased below minor in Wide Bay Creek.  Moderate flooding is easing in Munna
Creek, but minor to major flooding continues in Tinana Creek. Further rainfall
overnight is not expected to cause significantly higher river levels.


Major flooding is now easing at Miva, with the flood peak currently in the Home
Park area.  Major flooding continues to rise downstream to Tiaro where river
level rises to 18 metres are expected overnight. This height is below the
February 1992 peak flood level of 18.6 metres

River levels at Maryborough will rise further overnight with a peak expected
during Sunday of around 9 metres. For comparison, the 1999 peak flood level was
8.75 metres.

Minor to moderate flooding continues on the upper Mary River between Dagun
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Pocket and Gympie. At 4:30pm Saturday the river level at Gympie was 14.4 metres and close to peaking. River levels are expected to ease overnight and Sunday. Minor flooding is easing on Six Mile Creek at Cooran.

Predicted River Heights/Flows:

Gympie: 14.4 metres at 4:30pm and close to peak.

Miva: Peaked around 18.5 metres Saturday morning.

Tiaro: Reach 18 metres overnight.

Maryborough: Continue rising overnight Saturday with a peak expected during Sunday of about 9 metres. Further heavy rainfall may result in higher levels.

Next Issue:

The next warning will be issued at about 6am Sunday. The situation will continue to be monitored closely and earlier updates will be issued if necessary.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.5m rising	04:00 PM SAT 08/01/11
Obi Obi Ck st Baroon TW #	0.83m steady	05:23 PM SAT 08/01/11
Mary R at Bellbird Ck #	1.88m rising	05:15 PM SAT 08/01/11
Mary R at Kenilworth H/S #	1.32m rising	05:00 PM SAT 08/01/11
Mary R at Moy Pocket #	5.15m falling	05:27 PM SAT 08/01/11
Yabba Ck at Borumba Dam HW *	0.68m falling	03:15 PM SAT 08/01/11
Kandanga Ck at Hygait *	2.12m falling	04:00 PM SAT 08/01/11
Amamoor Ck at Zachariah *	2.76m falling	03:00 PM SAT 08/01/11
Mary R at Dagun Pocket *	12.65m falling	03:30 PM SAT 08/01/11
Six Mile Ck at Lake MacDonald Dr#	2.7m steady	05:37 PM SAT 08/01/11
Six Mile Ck at Cooran #	7.77m falling	05:32 PM SAT 08/01/11
Deep Ck at Cedar Pocket Dam #	101.36m steady	05:30 PM SAT 08/01/11
Mary R at Gympie Weir *	14.8m rising	03:15 PM SAT 08/01/11
Mary R at Gympie #	14.39m rising	04:21 PM SAT 08/01/11
Mary R at Fishermans Pocket *	15.35m falling	04:30 PM SAT 08/01/11
Glastonbury Ck at Glastonbury *	4.06m falling	04:50 AM SAT 08/01/11
Wide Bay Ck at Kilkivan *	2.07m falling	03:00 PM SAT 08/01/11
Wide Bay Ck at Brooyar *	6.17m falling	04:20 PM SAT 08/01/11
Mary R at Miva *	17.8m falling	04:30 PM SAT 08/01/11
Munna Ck at Marodian *	9.94m falling	04:00 PM SAT 08/01/11
Mary R at Home Park *	18.53m rising	04:30 PM SAT 08/01/11
Mary R at Tiaro	15.6m rising	10:45 AM SAT 08/01/11
Mary R at The Barrage *	10.67m rising	05:10 PM SAT 08/01/11
Tinana Ck at Tagigan Rd *	4.77m falling	04:00 PM SAT 08/01/11
Tinana Ck at Bauple East *	9.87m falling	04:00 PM SAT 08/01/11
Tinana Ck at Teddington Weir *	11.43m falling	03:42 PM SAT 08/01/11
Tinana Ck at Tinana Barrage *	5.97m rising	06:05 AM SAT 08/01/11
Mary R at Maryborough	7.05m rising	03:30 PM SAT 08/01/11
Mary R at Churchill St *	6.05m rising	05:41 PM SAT 08/01/11

*, # denote automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:08 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues between Gympie and Tiaro. River levels at Maryborough will rise further this morning with levels expected to peak at around 8.4 metres. Further heavy rainfall is occurring between Gympie and Maryborough this morning and is expected to continue.

Major flooding continues between Miva and Tiaro. Minor to major flooding continues along Tinana Creek.

River levels at Maryborough will rise further this morning with a peak expected during Sunday of around 8.4 metres. Further rises are likely as heavy rainfall continues. For comparison, the 1999 peak flood level was 8.75 metres.

Minor to moderate flooding continues on the upper Mary River between Dagun Pocket and Gympie. At 5am Sunday the river level at Gympie was 14.0 metres. River levels are likely to remain high or increase today following renewed rainfall.

Predicted River Heights/Flows:
Gympie: Remain above 13 metres today with further rises possible as rainfall continues.

Maryborough: A peak is expected during Sunday of around 8.4 metres. Further heavy rainfall may result in higher levels.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.51m steady	04:00 AM SUN 09/01/11
Mary R at Bellbird Ck *	2.19m falling	04:26 AM SUN 09/01/11
Mary R at Kenilworth H/S #	1.77m falling	05:26 AM SUN 09/01/11
Mary R at Moy Pocket #	6.15m falling	05:47 AM SUN 09/01/11
Yabba Ck at Borumba Dam HW *	0.81m falling	05:30 AM SUN 09/01/11
Kandanga Ck at Hygait *	2.39m rising	04:00 AM SUN 09/01/11
Amamoor Ck at Zachariah *	2.73m steady	04:10 AM SUN 09/01/11
Mary R at Dagun Pocket *	10.82m falling	05:45 AM SUN 09/01/11
Six Mile Ck at Cooran #	6.02m falling	05:33 AM SUN 09/01/11
Deep Ck at Cedar Pocket Dam #	101.29m steady	05:47 AM SUN 09/01/11
Mary R at Gympie Weir *	14.48m rising	05:30 AM SUN 09/01/11
Mary R at Gympie #	13.99m falling	05:05 AM SUN 09/01/11
Mary R at Fishermans Pocket *	15.22m rising	04:20 AM SUN 09/01/11
Glastonbury Ck at Glastonbury *	1.82m falling	03:00 AM SUN 09/01/11
Wide Bay Ck at Kilkivan *	2.32m falling	02:30 AM SUN 09/01/11
Mary R at Miva *	16.12m steady	04:10 AM SUN 09/01/11
Munna Ck at Marodian *	7.95m steady	04:29 AM SUN 09/01/11
Mary R at Home Park *	18.04m rising	04:20 AM SUN 09/01/11
Mary R at Tiaro	15.6m rising	10:45 AM SAT 08/01/11
Mary R at The Barrage *	11.51m rising	05:05 AM SUN 09/01/11
Tinana Ck at Tagigan Rd *	3.77m falling	04:00 AM SUN 09/01/11

Tinana Ck at Bauple East *	9.24m falling	04:00 AM SUN 09/01/11
Tinana Ck at Teddington Weir *	11.24m falling	03:00 AM SUN 09/01/11
Tinana Ck at Tinana Barrage *	5.97m rising	06:05 AM SAT 08/01/11
Mary R at Maryborough	8.02m rising	05:15 AM SUN 09/01/11
Mary R at Churchill St *	6.91m falling	05:41 AM SUN 09/01/11
Bunya Ck at Booral Rd #	-0.15m falling	05:33 AM SUN 09/01/11
Black Swamp Ck at Maryborough Rd #	-2.05m steady	05:32 AM SUN 09/01/11
Urangan Boat Harbour tide *	1.37m falling	03:50 AM SUN 09/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 11:01 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall in the last 6 hours is expected to increase flood levels at
Gympie to at least 16 metres overnight. Higher levels are possible as rainfall
continues. Major flooding continues between Miva and Tiaro. An initial peak is
expected at Maryborough around 8.4 metres today with further rises possible as
rainfall continues. Rainfall totals recorded in the 6 hours to 11am include
Gympie 45mm, Cooran 108mm and Maleny 68mm.

Fast rising river levels are occurring in the upper Mary River catchment
following heavy rainfall this morning. At least moderate flood levels are
expected at Bellbird Creek and Kenilworth with major flood levels likely if
rainfall continues. Moderate flood levels are likely of at least 13 metres at
Dagun Pocket and a return to moderate flood levels along Six Mile Creek is
expected through today with further rises.

At Gympie, river levels are expected to increase from the current 14 metre level
through today reaching at least 16 metres overnight with rises above the major
flood level of 17 metres possible if rainfall continues.

Major flooding continues between Miva and Tiaro. Minor to major flooding
continues along Tinana Creek.

River levels at Maryborough will rise further this morning with an initial peak
expected during Sunday of around 8.4 metres. Further rises are likely as heavy
rainfall continues. For comparison, the 1999 peak flood level was 8.75 metres.

Predicted River Heights/Flows:

Gympie: Reach at least 16 metres overnight. A major flood level above 17 metres is possible if rainfall continues.

Maryborough: A peak is expected during Sunday of around 8.4 metres. Further heavy rainfall may result in higher levels.

Next Issue:
The next warning will be issued at about 1:30pm Sunday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.16m rising	09:00 AM SUN 09/01/11
Obi Obi Ck st Baroon TW #	1.81m rising	10:13 AM SUN 09/01/11
Mary R at Bellbird Ck #	5.48m rising	10:32 AM SUN 09/01/11
Mary R at Kenilworth H/S #	4.52m rising	10:34 AM SUN 09/01/11
Mary R at Moy Pocket #	6.3m rising	10:35 AM SUN 09/01/11
Yabba Ck at Borumba Dam HW *	1.13m rising	10:30 AM SUN 09/01/11
YKandanga Ck at Hygait *	3.3m rising	09:30 AM SUN 09/01/11
Amamoor Ck at Zachariah *	3.52m rising	09:30 AM SUN 09/01/11
Mary R at Dagun Pocket *	10.9m rising	10:30 AM SUN 09/01/11
Six Mile Ck at Lake MacDonald Dr#	3.55m rising	10:34 AM SUN 09/01/11
Six Mile Ck at Cooran #	7.17m rising	10:33 AM SUN 09/01/11
Deep Ck at Cedar Pocket Dam #	101.8m steady	09:50 AM SUN 09/01/11
Mary R at Gympie Weir *	14.28m falling	09:45 AM SUN 09/01/11
Mary R at Gympie #	13.84m steady	09:01 AM SUN 09/01/11
Mary R at Fishermans Pocket *	15.11m falling	09:29 AM SUN 09/01/11
Glastonbury Ck at Glastonbury *	1.82m falling	03:00 AM SUN 09/01/11
Wide Bay Ck at Kilkivan *	2.03m rising	08:20 AM SUN 09/01/11
Wide Bay Ck at Brooyar *	5.21m steady	09:29 AM SUN 09/01/11
Mary R at Miva	15.9m rising slowly	09:00 AM SUN 09/01/11
Munna Ck at Marodian *	8.63m falling	09:25 AM SUN 09/01/11
Mary R at Home Park *	17.42m steady	09:20 AM SUN 09/01/11
Mary R at Tiaro	15.6m rising	10:45 AM SAT 08/01/11
Mary R at The Barrage *	11.47m falling	09:00 AM SUN 09/01/11
Tinana Ck at Tagigan Rd *	4.64m rising	09:30 AM SUN 09/01/11
Tinana Ck at Bauple East *	9m falling	09:00 AM SUN 09/01/11
Tinana Ck at Teddington Weir *	11.48m rising	08:38 AM SUN 09/01/11
Tinana Ck at Tinana Barrage *	7.83m rising	06:00 AM SUN 09/01/11
Mary R at Maryborough	8.18m rising	10:00 AM SUN 09/01/11
Mary R at Churchill St *	7.11m rising	10:31 AM SUN 09/01/11
Bunya Ck at Booral Rd #	-0.15m steady	10:30 AM SUN 09/01/11
Black Swamp Ck at Maryborough Rd #	-2.1m steady	08:32 AM SUN 09/01/11
Urangan Boat Harbour tide *	3.34m rising	09:50 AM SUN 09/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER

Issued at 1:55 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall in the last 12 hours is expected to increase flood levels at Gympie to at least 17 metres overnight. Higher levels are possible as rainfall continues. Major flooding continues between Miva and Tiaro. An initial peak is expected at Maryborough around 8.4 metres today with further rises possible. Rainfall totals recorded in the 12 hours to 2pm include Gympie 58mm, Cooran 148mm, Maleny 144mm and Cooroy 160mm.

Fast rising river levels are occurring in the upper Mary River catchment following heavy rainfall this morning. Major flood levels are likely at Bellbird Creek and Kenilworth this evening. Major flood levels are likely of at least 15 metres at Dagun Pocket and a return to moderate flood levels along Six Mile Creek is expected through today. Further rises are likely throughout the upper catchment as heavy rainfall continues.

At Gympie, river levels are expected to increase from the current 13.7 metre level this evening reaching at least 17 metres early on Monday with rises above the major flood level of 17 metres possible if rainfall continues.

Major flooding continues between Miva and Tiaro. Minor to major flooding continues along Tinana Creek.

River levels at Maryborough will rise further this morning with an initial peak expected during Sunday of around 8.4 metres. Further rises are likely as heavy rainfall continues. For comparison, the 1999 peak flood level was 8.75 metres.

Predicted River Heights/Flows:
Gympie: Reach at least 17 metres early on Monday. Higher levels above 17 metres are likely as rainfall continues.

Maryborough: A peak is expected during Sunday of around 8.4 metres.
Further heavy rainfall may result in higher levels.

Next Issue:
The next warning will be issued at about 5:30pm Sunday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.22m rising	12:00 PM SUN 09/01/11
Obi Obi Ck st Baroon TW #	2.02m rising	12:48 PM SUN 09/01/11
Mary R at Bellbird Ck #	5.73m rising	01:17 PM SUN 09/01/11
Mary R at Bellbird Ck *	5.76m steady	12:30 PM SUN 09/01/11
Mary R at Kenilworth H/S #	7.27m rising	01:32 PM SUN 09/01/11
Mary R at Moy Pocket #	9.05m rising	01:34 PM SUN 09/01/11
Mary R at Moy Pocket *	6.01m steady	08:16 AM SUN 09/01/11
Yabba Ck at Borumba Dam HW *	1.46m rising	11:30 AM SUN 09/01/11
Kandanga Ck at Hygait *	4.85m rising	12:30 PM SUN 09/01/11
Amamoor Ck at Zachariah *	5.06m rising	12:20 PM SUN 09/01/11
Mary R at Dagun Pocket *	11.07m rising	11:30 AM SUN 09/01/11
Six Mile Ck at Lake MacDonald Dr#	4.5m rising	01:32 PM SUN 09/01/11
Six Mile Ck at Cooran *	7.97m rising	12:30 PM SUN 09/01/11
Six Mile Ck at Cooran #	8.17m steady	01:28 PM SUN 09/01/11
Deep Ck at Cedar Pocket Dam #	101.78m steady	01:00 PM SUN 09/01/11
Mary R at Gympie Weir *	14.27m rising	11:15 AM SUN 09/01/11
Mary R at Gympie #	13.74m falling	12:01 PM SUN 09/01/11
Mary R at Fishermans Pocket *	15.12m rising	12:30 PM SUN 09/01/11
Glastonbury Ck at Glastonbury *	1.82m falling	03:00 AM SUN 09/01/11

Wide Bay Ck at Kilkivan *	2.58m rising	11:00 AM SUN 09/01/11
Wide Bay Ck at Brooyar *	5.42m steady	12:22 PM SUN 09/01/11
Mary R at Miva	15.8m falling slowly	12:00 PM SUN 09/01/11
Mary R at Miva *	15.64m falling	12:30 PM SUN 09/01/11
Munna Ck at Marodian *	8.64m rising	12:29 PM SUN 09/01/11
Mary R at Home Park *	17.01m falling	12:20 PM SUN 09/01/11
Mary R at Tiaro	16.25m falling	11:00 AM SUN 09/01/11
Mary R at The Barrage *	11.33m falling	12:10 PM SUN 09/01/11
Tinana Ck at Tagigan Rd *	5.58m rising	12:10 PM SUN 09/01/11
Tinana Ck at Bauple East *	8.76m falling	12:00 PM SUN 09/01/11
Tinana Ck at Teddington Weir *	11.48m rising	08:38 AM SUN 09/01/11
Tinana Ck at Tinana Barrage *	7.83m rising	06:00 AM SUN 09/01/11
Mary R at Maryborough	8.2m rising slowly	12:30 PM SUN 09/01/11
Mary R at Churchill St *	7.17m rising	12:41 PM SUN 09/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 5:50 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall of up to 190 millimetres has been recorded in the headwaters of the Mary River since 9am this morning and rainfall is expected to continue during Sunday night. Fast rises and moderate flooding are occurring in Yabby Creek at Imbil, Mary River at Kenilworth Homestead and in Six Mile Creek at Cooran. Renewed rises are expected at Gympie during Sunday night with major flood levels expected during Monday.

In the lower Mary River, major flooding continues between Miva and Tiaro and moderate flood levels are now peaking in the Mary River at Maryborough.

Fast rising river levels are occurring in the upper Mary River catchment following heavy rainfall during today. Major flood levels have been reached at Bellbird Creek and are expected at Kenilworth this evening. Major flood levels are also expected at Moy Pocket during Sunday night and at Dagun Pocket during Monday morning. Further rises are likely throughout the upper catchment as heavy rainfall continues.

At Gympie, river levels will start rising during Sunday night and reach the major flood level of 17 metres early Monday morning and continue rising during Monday. It is not possible to provide a peak forecast at this stage as heavy rainfall continues in the catchment.

Major flooding continues between Miva and Tiaro and in Tinana Creek at

Teddington Weir. Major flooding will continue at Miva and Tiaro during the next few days.

Moderate flood levels peaked at Maryborough at around 8.2 metres at midday Sunday. Levels are expected to ease at Maryborough during Sunday and into Monday. No significant rainfall has been reported in the lower Mary River during Sunday but some rises are expected during this week as the flood waters from Gympie arrive in the area. At this stage the levels are not expected to exceed todays peak.

Predicted River Heights/Flows:
Gympie: Exceed 17 metres early Monday.
Higher levels expected during Monday.

It is not possible to provide a peak forecast at this stage as heavy rainfall continues in the catchment.

Maryborough: Fall slowly during Sunday night and Monday.

Next Issue:
The next warning will be issued at about 9:30pm Sunday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.65m rising	04:20 PM SUN 09/01/11
Obi Obi Ck st Baroon TW #	3.12m rising	05:38 PM SUN 09/01/11
Mary R at Bellbird Ck #	7.83m rising	05:36 PM SUN 09/01/11
Mary R at Kenilworth H/S #	9.52m falling	05:43 PM SUN 09/01/11
Mary R at Moy Pocket #	12.55m rising	05:37 PM SUN 09/01/11
Yabba Ck at Borumba Dam HW *	3.21m rising	04:45 PM SUN 09/01/11
Yabba Ck at Imbil	6m rising	03:00 PM SUN 09/01/11
Kandanga Ck at Hygait *	6.48m rising	05:00 PM SUN 09/01/11
Amamoor Ck at Zachariah *	6.1m rising	05:01 PM SUN 09/01/11
Mary R at Dagun Pocket *	12.11m rising	05:00 PM SUN 09/01/11
Six Mile Ck at Lake MacDonald Dr#	5.6m steady	05:37 PM SUN 09/01/11
Six Mile Ck at Cooran #	9.22m rising	05:03 PM SUN 09/01/11
Mary R at Gympie Weir *	14.41m falling	05:00 PM SUN 09/01/11
Mary R at Gympie #	13.99m rising	05:16 PM SUN 09/01/11
Mary R at Fishermans Pocket *	15.14m falling	05:08 PM SUN 09/01/11
Mary R at Miva *	15.5m rising	05:00 PM SUN 09/01/11
Mary R at Home Park *	16.53m falling	05:00 PM SUN 09/01/11
Mary R at Tiaro	16.25m falling	11:00 AM SUN 09/01/11
Mary R at The Barrage *	11.03m steady	05:00 PM SUN 09/01/11
Tinana Ck at Tagigan Rd *	5.94m rising	05:00 PM SUN 09/01/11
Tinana Ck at Bauple East *	8.6m falling	05:00 PM SUN 09/01/11
Tinana Ck at Teddington Weir *	11.48m rising	08:38 AM SUN 09/01/11
Tinana Ck at Tinana Barrage *	7.83m rising	06:00 AM SUN 09/01/11
Mary R at Maryborough	8.15m falling	03:15 PM SUN 09/01/11
Mary R at Churchill St *	7.19m steady	05:04 PM SUN 09/01/11

*,# automatic

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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 10:10 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall of up to 240 millimetres has been recorded in the headwaters of the Mary River since 9am and rainfall is expected to continue overnight Sunday. Fast rises and major flooding are rising between the Bellbird Creek junction and Moy Pocket and in Yabba Creek at Imbil. Renewed rises are being recorded at Gympie with major flood levels expected during Monday.

In the lower Mary River, major flooding continues between Miva and the Barrage with moderate flood levels easing in the Mary River at Maryborough.

Fast rises are occurring in the upper Mary River catchment following heavy rainfall during Sunday. Major flood levels are being recorded between the Bellbird Creek junction and Moy Pocket and in Yabba Creek at Imbil. Moderate flood levels are rising downstream at Dagun Pocket with further rises above the major flood level expected during Monday morning. Further rises are likely throughout the upper catchment as further heavy rainfall is forecast.

At 10pm Sunday, the Mary River at Gympie was 14.5 metres and rising at moderate flood level. Further rises above the major flood level of 17 metres are expected early Monday morning and continued rises to at least 19 metres are expected during Monday afternoon. Faster rises and higher levels are possible with the forecast of further heavy rainfall.

Major flooding continues between Miva and the Barrage and in Tinana Creek at Teddington Weir. Major flooding will continue between Miva and the Barrage during the next few days.

Levels are expected to ease at Maryborough during Sunday and into Monday following a peak around 8.2 metres at midday Sunday. No significant rainfall has been reported in the lower Mary River apart from some heavy rainfall in the upper reaches of Tinana Creek. The flood waters from the upper Mary will cause renewed rises at Maryborough during the next few days but levels are not expected to exceed todays peak.

Predicted River Heights/Flows:
Gympie: Exceed 17 metres early Monday.
Reach at least 19 metres during Monday afternoon.

A peak forecast will be provided when upstream peaks are recorded.

Maryborough: Fall slowly during Sunday night and Monday.

Next Issue:
The next warning will be issued at about 6am Monday or earlier if required.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.93m steady	07:30 PM SUN 09/01/11
Obi Obi Ck st Baroon TW #	3.63m steady	08:13 PM SUN 09/01/11
Mary R at Bellbird Ck #	8.58m falling	09:06 PM SUN 09/01/11
Mary R at Kenilworth H/S #	10.82m rising	09:10 PM SUN 09/01/11
Mary R at Moy Pocket #	14.5m rising	09:11 PM SUN 09/01/11

Yabba Ck at Borumba Dam HW *	2.99m falling	08:15 PM SUN 09/01/11
Yabba Ck at Imbil	7.3m rising	05:00 PM SUN 09/01/11
Kandanga Ck at Hygait *	6.2m falling	08:10 PM SUN 09/01/11
Amamoor Ck at Zachariah *	5.52m steady	08:30 PM SUN 09/01/11
Mary R at Dagun Pocket *	13.04m rising	08:30 PM SUN 09/01/11
Six Mile Ck at Lake MacDonald Dr#	5.5m steady	08:37 PM SUN 09/01/11
Six Mile Ck at Cooran #	9.62m rising	08:55 PM SUN 09/01/11
Mary R at Gympie Weir *	14.79m rising	08:45 PM SUN 09/01/11
Mary R at Gympie #	14.34m rising	08:58 PM SUN 09/01/11
Mary R at Fishermans Pocket *	15.33m rising	08:40 PM SUN 09/01/11
Mary R at Miva *	15.45m rising	08:20 PM SUN 09/01/11
Mary R at Home Park *	16.2m steady	08:20 PM SUN 09/01/11
Mary R at Tiaro	16.25m falling	11:00 AM SUN 09/01/11
Mary R at The Barrage *	10.8m falling	08:05 PM SUN 09/01/11
Tinana Ck at Tagigan Rd *	6.01m steady	08:00 PM SUN 09/01/11
Tinana Ck at Bauple East *	8.51m falling	08:00 PM SUN 09/01/11
Tinana Ck at Teddington Weir *	11.28m falling	08:58 PM SUN 09/01/11
Tinana Ck at Tinana Barrage *	7.83m rising	06:00 AM SUN 09/01/11
Mary R at Maryborough	8.07m falling	06:30 PM SUN 09/01/11
Mary R at Churchill St *	7.19m steady	08:41 PM SUN 09/01/11

*,# from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:12 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall of up to 322mm has been recorded in the upper Mary catchment in the 24 hours to 5am Monday. Major flood levels are rising at Dagun Pocket with major flood levels expected at Gympie during Monday. Upstream of Dagun Pocket, minor to major levels are easing although rainfall is expected to continue through today so renewed rises are possible.

In the lower Mary River, major flooding continues between Miva and the Barrage with moderate flood levels easing in the Mary River at Maryborough.

Major flood levels are occurring with a flood peak currently between Moy Pocket and Dagun Pocket. Further rises are likely throughout the upper catchment as further heavy rainfall is forecast. Moderate to minor flooding is currently easing along Yabba, Kandanga and Amamoor Creeks.

At 5:30am Monday, the Mary River at Gympie was 16.1 metres with moderate flood levels. Further rises above the major flood level of 17 metres will occur this morning continuing to above 20 metres overnight. Higher levels are possible with

the forecast of further heavy rainfall.

Major flooding continues between Miva and the Barrage and in Tinana Creek at Teddington Weir. Major flooding will continue between Miva and the Barrage during the next few days.

Levels are expected to ease at Maryborough during Sunday and into Monday following a peak around 8.2 metres at midday Sunday. The flood waters from the upper Mary will cause renewed rises at Maryborough prolonging minor flood levels. Further heavy rainfall could change this prediction.

Predicted River Heights/Flows:
Gympie: Exceed 20 metres overnight Monday.

A peak forecast will be provided when upstream peaks are recorded.

Maryborough: Fall slowly during Sunday night and Monday.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.14m falling	02:00 AM MON 10/01/11
Obi Obi Ck st Baroon TW #	3m falling	05:23 AM MON 10/01/11
Mary R at Bellbird Ck #	4.58m falling	05:26 AM MON 10/01/11
Mary R at Bellbird Ck *	5.1m falling	04:40 AM MON 10/01/11
Mary R at Kenilworth H/S #	8.82m falling	05:21 AM MON 10/01/11
Mary R at Moy Pocket #	14.9m rising	05:25 AM MON 10/01/11
Mary R at Moy Pocket *	15.47m rising	03:40 AM MON 10/01/11
Yabba Ck at Borumba Dam HW *	2.19m falling	04:30 AM MON 10/01/11
Yabba Ck at Imbil	8.1m falling	11:00 PM SUN 09/01/11
Kandanga Ck at Hygait *	5.37m falling	04:00 AM MON 10/01/11
Amamoor Ck at Zachariah *	4.68m falling	04:20 AM MON 10/01/11
Mary R at Dagun Pocket *	15.41m rising	04:30 AM MON 10/01/11
Six Mile Ck at Lake MacDonald Dr#	4.8m falling	05:24 AM MON 10/01/11
Six Mile Ck at Cooran *	10.25m falling	04:00 AM MON 10/01/11
Deep Ck at Cedar Pocket Dam #	101.56m steady	05:25 AM MON 10/01/11
Mary R at Gympie Weir *	16.15m rising	03:45 AM MON 10/01/11
Mary R at Gympie #	16.04m rising	05:22 AM MON 10/01/11
Mary R at Fishermans Pocket *	16.42m rising	04:39 AM MON 10/01/11
Wide Bay Ck at Kilkivan *	2.51m rising	04:00 AM MON 10/01/11
Wide Bay Ck at Brooyar *	5.48m falling	04:00 AM MON 10/01/11
Mary R at Miva	15.6m falling slowly	05:00 PM SUN 09/01/11
Munna Ck at Marodian *	6.75m falling	04:40 AM MON 10/01/11
Mary R at Home Park *	15.41m steady	04:10 AM MON 10/01/11
Mary R at Tiaro	16.25m falling	11:00 AM SUN 09/01/11
Mary R at The Barrage *	10.72m falling	09:00 PM SUN 09/01/11
Tinana Ck at Tagigan Rd *	6.44m rising	04:00 AM MON 10/01/11
Tinana Ck at Bauple East *	8.28m falling	04:00 AM MON 10/01/11
Tinana Ck at Teddington Weir *	11.14m falling	04:42 AM MON 10/01/11
Tinana Ck at Tinana Barrage *	7.83m rising	06:00 AM SUN 09/01/11
Mary R at Maryborough	8.07m falling	06:30 PM SUN 09/01/11
Mary R at Churchill St *	6.47m falling	04:40 AM MON 10/01/11

*automatic stations

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 11:29 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall of up to 322mm has been recorded in the upper Mary catchment in the 24 hours to 9am Monday. Major flood levels continue to rise at Dagun Pocket and Gympie. Upstream of Dagun Pocket, minor to major levels are easing although rainfall is expected to continue through today so renewed rises are possible.

In the lower Mary River, major flooding continues between Miva and the Barrage with moderate flood levels easing in the Mary River at Maryborough.

Major flood levels are occurring with a flood peak currently approaching Dagun Pocket. Further rises are likely throughout the upper catchment as further heavy rainfall is forecast. Moderate to minor flooding is currently easing along Yabba, Kandanga and Amamoor Creeks.

At 11am Monday, the Mary River at Gympie was 17.2 metres with major flood levels. Further rises will occur this afternoon continuing to around 20 metres overnight. Higher levels are possible with the forecast of further heavy rainfall.

Major flooding continues between Miva and the Barrage and in Tinana Creek at Teddington Weir. Major flooding will continue between Miva and the Barrage during the next few days.

Levels are expected to ease at Maryborough during Sunday and into Monday following a peak around 8.2 metres at midday Sunday. The flood waters from the upper Mary will cause renewed rises at Maryborough prolonging minor flood levels. Further heavy rainfall could change this prediction.

Predicted River Heights/Flows:
Gympie: Reach around 20 metres overnight Monday.

A peak forecast will be provided when upstream peaks are recorded.

Maryborough: Fall slowly during Sunday night and Monday.

Next Issue:
The next warning will be issued at about 6pm Monday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.13m rising	08:40 AM MON 10/01/11
Obi Obi Ck st Baroon TW #	2.96m falling	10:48 AM MON 10/01/11
Mary R at Bellbird Ck #	4.13m rising	10:52 AM MON 10/01/11
Mary R at Kenilworth H/S #	6.67m falling	10:49 AM MON 10/01/11
Mary R at Moy Pocket #	13.05m falling	10:55 AM MON 10/01/11
Mary R at Moy Pocket *	13.49m falling	09:30 AM MON 10/01/11
Yabba Ck at Borumba Dam HW *	1.45m falling	10:30 AM MON 10/01/11
Yabba Ck at Imbil	8.1m falling	11:00 PM SUN 09/01/11
Amamoor Ck at Zachariah *	3.41m falling	10:00 AM MON 10/01/11

Mary R at Dagun Pocket *	16.22m falling	10:30 AM MON 10/01/11
Six Mile Ck at Cooran *	9.55m falling	10:13 AM MON 10/01/11
Six Mile Ck at Cooran #	9.42m falling	10:32 AM MON 10/01/11
Deep Ck at Cedar Pocket Dam #	101.47m steady	10:53 AM MON 10/01/11
Mary R at Gympie Weir *	16.15m rising	03:45 AM MON 10/01/11
Mary R at Gympie #	17.19m rising	10:30 AM MON 10/01/11
Mary R at Fishermans Pocket *	17.22m rising	09:30 AM MON 10/01/11
Wide Bay Ck at Kilkivan *	1.73m falling	10:00 AM MON 10/01/11
Wide Bay Ck at Brooyar *	5.07m falling	10:00 AM MON 10/01/11
Mary R at Miva	15.8m rising slowly	09:00 AM MON 10/01/11
Mary R at Miva *	15.66m steady	10:40 AM MON 10/01/11
Munna Ck at Marodian *	5.86m falling	10:30 AM MON 10/01/11
Mary R at Home Park *	14.96m falling	10:30 AM MON 10/01/11
Mary R at Tiaro	16.25m falling	11:00 AM SUN 09/01/11
Mary R at The Barrage *	9.55m falling	10:10 AM MON 10/01/11
Tinana Ck at Tagigan Rd *	6.05m falling	10:00 AM MON 10/01/11
Tinana Ck at Bauple East *	11.41m rising	10:30 AM MON 10/01/11
Tinana Ck at Teddington Weir *	11.01m falling	10:42 AM MON 10/01/11
Tinana Ck at Tinana Barrage *	7.08m steady	06:00 AM MON 10/01/11
Mary R at Maryborough	7.2m falling	09:30 AM MON 10/01/11
Mary R at Churchill St *	6.03m falling	10:41 AM MON 10/01/11

*automatic station

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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:11 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall recorded since 9am Monday has been between 25-40mm. Major flood levels are peaking at Dagun Pocket and continue to rise at Gympie. Upstream of Dagun Pocket, minor to moderate flood levels continue to ease with rainfalls also expected to continue easing in the area overnight Monday.

In the lower Mary River, major flooding continues between Miva and the Barrage with moderate flood levels easing in the Mary River at Maryborough.

Major flood levels are currently peaking at Dagun Pocket around 16.5 metres. Moderate flooding is currently rising along Yabba Creek in the Imbil area.

At 5:20pm Monday, the Mary River at Gympie was 18.5 metres with major flood levels. Further rises are expected with a peak around 20 metres overnight.

Major flooding continues between Miva and the Barrage and moderate flooding is occurring in Tinana Creek at Teddington Weir. Major flooding will continue

between Miva and the Barrage during the next few days.

Levels are expected to ease at Maryborough during Sunday and into Monday following a peak around 8.2 metres at midday Sunday. The flood waters from the upper Mary will cause renewed rises at Maryborough prolonging minor flood levels. Further heavy rainfall could change this prediction.

Predicted River Heights/Flows:
Gympie: Peak around 20 metres overnight Monday.

Maryborough: Fall slowly during Sunday night and Monday.

Next Issue:
The next warning will be issued at about 11pm Monday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.86m falling	04:00 PM MON 10/01/11
Obi Obi Ck st Baroon TW #	2.87m falling	05:08 PM MON 10/01/11
Mary R at Bellbird Ck #	4.13m falling	05:26 PM MON 10/01/11
Mary R at Kenilworth H/S #	7.27m falling	05:30 PM MON 10/01/11
Mary R at Moy Pocket #	12.4m rising	05:27 PM MON 10/01/11
Mary R at Moy Pocket *	12.37m falling	04:10 PM MON 10/01/11
Yabba Ck at Borumba Dam HW *	1.14m falling	04:30 PM MON 10/01/11
Yabba Ck at Imbil	7.2m falling	06:30 AM MON 10/01/11
Kandanga Ck at Hygait *	2.95m falling	04:00 PM MON 10/01/11
Amamoor Ck at Zachariah *	3.12m falling	01:20 PM MON 10/01/11
Mary R at Dagun Pocket *	16.39m falling	04:30 PM MON 10/01/11
Six Mile Ck at Lake MacDonald Dr#	4.45m falling	05:05 PM MON 10/01/11
Six Mile Ck at Cooran #	9.12m falling	05:12 PM MON 10/01/11
Deep Ck at Cedar Pocket Dam #	101.41m steady	05:30 PM MON 10/01/11
Mary R at Gympie Weir *	16.15m rising	03:45 AM MON 10/01/11
Mary R at Gympie #	18.49m rising	05:23 PM MON 10/01/11
Mary R at Fishermans Pocket *	17.52m rising	04:32 PM MON 10/01/11
Wide Bay Ck at Kilkivan *	1.45m falling	04:00 PM MON 10/01/11
Wide Bay Ck at Brooyar *	4.55m falling	04:21 PM MON 10/01/11
Mary R at Miva *	15.9m rising	04:20 PM MON 10/01/11
Munna Ck at Marodian *	5.34m falling	04:30 PM MON 10/01/11
Mary R at Home Park *	14.65m falling	04:33 PM MON 10/01/11
Mary R at Tiaro	14m falling	03:00 PM MON 10/01/11
Mary R at The Barrage *	9.08m falling	04:05 PM MON 10/01/11
Tinana Ck at Tagigan Rd *	5.31m falling	04:00 PM MON 10/01/11
Tinana Ck at Teddington Weir *	10.92m falling	04:42 PM MON 10/01/11
Tinana Ck at Tinana Barrage *	7.08m steady	06:00 AM MON 10/01/11
Mary R at Maryborough	6.8m falling slowly	03:00 PM MON 10/01/11
Mary R at Churchill St *	5.66m falling	04:41 PM MON 10/01/11
Bunya Ck at Booral Rd #	-0.2m steady	04:30 PM MON 10/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m steady	05:32 PM MON 10/01/11
Urangan Boat Harbour tide *	1.83m falling	04:50 PM MON 10/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 11:00 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Further heavy rainfall has been recorded in the last 3 hours in Six Mile Creek, Deep Creek, Kandanga Creek and Amamoor Creek and in the area around Gympie. Major flood levels continue to rise at Gympie with local rainfall and rises to 20 metres are still possible during Monday night.

In the lower Mary River, major flooding continues between Miva and the Barrage with moderate flood levels easing in the Mary River at Maryborough.

Major flood levels are easing at Dagun Pocket after it peaked about 16.4 metres at 3pm Monday. Moderate flooding is also easing Yabba Creek in the Imbil area.

At 10.40pm Monday, the Mary River at Gympie was 19.04 metres and rising with major flood levels. Further rises to 20 metres are expected overnight. Higher levels would require significant heavy rainfall in the catchment.

Major flooding continues between Miva and the Barrage and moderate flooding is occurring in Tinana Creek at Teddington Weir. Major flooding will continue between Miva and the Barrage during the next few days.

Minor flood levels are expected to continue to ease at Maryborough during Monday night and steady during Tuesday. The flood waters from the upper Mary will cause renewed rises during Tuesday night at Maryborough and prolong minor flood levels. Further heavy rainfall could change this prediction.

Predicted River Heights/Flows:
Gympie: Peak around 20 metres overnight Monday.

Maryborough: Fall slowly during Monday night.

Next Issue:
The next warning will be issued at about 8am Tuesday or earlier if required.

Latest River Heights:

Mary R at Kenilworth H/S #	5.17m falling	10:47 PM MON 10/01/11
Mary R at Moy Pocket #	11.7m falling	10:48 PM MON 10/01/11
Yabba Ck at Borumba Dam HW *	1.16m rising	10:30 PM MON 10/01/11
Yabba Ck at Imbil	7.2m falling	06:30 AM MON 10/01/11
Kandanga Ck at Hygait *	3.35m rising	09:50 PM MON 10/01/11
Amamoor Ck at Zachariah *	3.64m rising	09:18 PM MON 10/01/11
Mary R at Dagun Pocket *	15.93m falling	10:45 PM MON 10/01/11
Six Mile Ck at Lake MacDonald Dr#	4m falling	09:52 PM MON 10/01/11
Six Mile Ck at Cooran #	8.92m steady	10:28 PM MON 10/01/11
Deep Ck at Cedar Pocket Dam #	101.68m steady	10:50 PM MON 10/01/11
Mary R at Gympie Weir *	16.15m rising	03:45 AM MON 10/01/11
Mary R at Gympie #	19.04m rising	10:40 PM MON 10/01/11
Mary R at Fishermans Pocket *	18.3m rising	09:40 PM MON 10/01/11
Wide Bay Ck at Kilkivan *	2m rising	10:40 PM MON 10/01/11
Wide Bay Ck at Brooyar *	3.98m steady	10:36 PM MON 10/01/11
Mary R at Miva *	16.21m rising	09:40 PM MON 10/01/11
Munna Ck at Marodian *	5.72m rising	09:40 PM MON 10/01/11
Mary R at Home Park *	14.69m steady	09:40 PM MON 10/01/11

Mary R at Tiaro	14m falling	03:00 PM MON 10/01/11
Mary R at The Barrage *	8.8m rising	09:05 PM MON 10/01/11
Tinana Ck at Tagigan Rd *	4.6m falling	09:00 PM MON 10/01/11
Tinana Ck at Teddington Weir *	10.89m steady	10:45 PM MON 10/01/11
Tinana Ck at Tinana Barrage *	7.08m steady	06:00 AM MON 10/01/11
Mary R at Maryborough	6.8m falling slowly	03:00 PM MON 10/01/11
Mary R at Churchill St *	5.18m falling	10:41 PM MON 10/01/11
Bunya Ck at Booral Rd #	-0.2m steady	10:30 PM MON 10/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m steady	08:32 PM MON 10/01/11
Urangan Boat Harbour tide *	2.33m rising	09:50 PM MON 10/01/11

*,# from automatic station

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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 6:33 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Further moderate to heavy rainfall of between 20-70mm has been recorded during the previous 6 hours to 6am Tuesday across the upper reaches of the Mary catchment, particularly in Obi Obi Creek and the upper Mary River. Major flood levels have peaked at Gympie and are currently slowly easing.

In the lower Mary River, major flooding continues between Miva and the Barrage with minor flooding occurring in the Mary River at Maryborough.

Major flooding continues to ease at Dagun Pocket. Moderate flooding is also easing on Yabba Creek in the Imbil area.

A major flood peak to 19.24 metres at Gympie was recorded at 3am Tuesday. At 5:50am Tuesday the Mary River at Gympie was 19.14 metres and falling.

Major flooding continues between Miva and the Barrage and moderate flooding is occurring in Tinana Creek at Teddington Weir. Major flooding will continue between Miva and the Barrage during the next few days.

Minor flooding is occurring downstream at Maryborough. Further renewed rises are expected as floodwaters from the upper Mary catchment arrive during Tuesday morning, which will prolong minor flood levels for the next few days. Further heavy rainfall could change this prediction.

Predicted River Heights/Flows:

Maryborough	River rises during Tuesday and a continuation of minor flooding.

Weather Forecast:
Rain areas and isolated thunderstorms, gradually easing later in the day.
Moderate to locally heavy falls possible.

Next Issue:
The next warning will be issued at about 11:30am Tuesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.08m rising	05:30 AM TUE 11/01/11
Obi Obi Ck st Baroon TW #	2.83m falling	06:28 AM TUE 11/01/11
Mary R at Bellbird Ck #	3.38m rising	06:18 AM TUE 11/01/11
Mary R at Kenilworth H/S #	4.57m steady	06:11 AM TUE 11/01/11
Mary R at Moy Pocket #	10.25m steady	06:28 AM TUE 11/01/11
Yabba Ck at Borumba Dam HW *	1.93m falling	05:30 AM TUE 11/01/11
Yabba Ck at Imbil	6.2m rising fast	06:00 AM TUE 11/01/11
Kandanga Ck at Hygait *	7.09m falling	05:30 AM TUE 11/01/11
Amamoor Ck at Zachariah *	8.39m falling	05:20 AM TUE 11/01/11
Mary R at Dagun Pocket *	15.31m falling	05:30 AM TUE 11/01/11
Six Mile Ck at Lake MacDonald Dr#	3.4m falling	05:40 AM TUE 11/01/11
Six Mile Ck at Cooran *	8.61m falling	05:09 AM TUE 11/01/11
Mary R at Gympie #	19.14m falling	05:49 AM TUE 11/01/11
Mary R at Fishermans Pocket *	19.06m steady	05:40 AM TUE 11/01/11
Glastonbury Ck at Glastonbury *	5.44m falling	03:20 AM TUE 11/01/11
Wide Bay Ck at Kilkivan *	8.58m falling	05:50 AM TUE 11/01/11
Wide Bay Ck at Brooyar *	8.27m rising	05:20 AM TUE 11/01/11
Mary R at Miva	16.2m rising slowly	06:00 PM MON 10/01/11
Mary R at Miva *	17.53m rising	05:40 AM TUE 11/01/11
Munna Ck at Marodian *	7.26m rising	05:00 AM TUE 11/01/11
Mary R at Home Park *	14.78m falling	12:18 AM TUE 11/01/11
Mary R at Tiaro	14m falling	03:00 PM MON 10/01/11
Mary R at The Barrage *	8.77m falling	05:10 AM TUE 11/01/11
Tinana Ck at Tagigan Rd *	5.06m rising	05:00 AM TUE 11/01/11
Tinana Ck at Teddington Weir *	10.84m steady	05:47 AM TUE 11/01/11
Tinana Ck at Tinana Barrage *	NA	
Mary R at Maryborough	6.8m falling slowly	03:00 PM MON 10/01/11
Mary R at Churchill St *	5.08m falling	05:41 AM TUE 11/01/11
Bunya Ck at Booral Rd #	-0.1m rising	06:24 AM TUE 11/01/11
Black Swamp Ck at Maryborough Rd #	-2.3m rising	06:08 AM TUE 11/01/11
Urangan Boat Harbour tide *	1.68m falling	05:50 AM TUE 11/01/11

*,# denotes automatic station.

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IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 11:51 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

40 - 60 mm or rainfall has been recorded over the Obi Obi Creek and Upper Mary River areas. This is causing further rises in the upper reaches of the Mary River between Kenilworth and Moy Pocket. Major flood levels have peaked at Gympie and will continue to slowly ease.

In the lower Mary River, major flooding continues between Miva and the Barrage with minor flooding occurring in the Mary River at Maryborough.

Major flooding continues to ease slowly at Dagun Pocket. Moderate flooding is also easing on Yabba Creek in the Imbil area.

A major flood peak to 19.24 metres at Gympie was recorded at 3am Tuesday. At 11am Tuesday the Mary River at Gympie was 19.0 metres and falling slowly.

Major flooding continues between Miva and the Barrage with further rises expected during Tuesday. Major flooding is expected to continue for the next few days. Moderate flooding is occurring in Tinana Creek at Teddington Weir.

Minor flooding is occurring downstream at Maryborough. Further renewed rises are expected during Tuesday and Wednesday as floodwaters from the upper Mary catchment arrive. This will prolong minor flood levels for the next few days.

Predicted River Heights/Flows:
Maryborough River rises during Tuesday and a continuation of minor flooding.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times. Possible falls in southern parts.

Next Issue:
The next warning will be issued at about 4pm Tuesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.22m rising	10:30 AM TUE 11/01/11
Obi Obi Ck st Baroon TW #	3.03m rising	10:38 AM TUE 11/01/11
Mary R at Bellbird Ck #	4.63m falling	10:44 AM TUE 11/01/11
Mary R at Bellbird Ck *	4.74m falling	10:30 AM TUE 11/01/11
Mary R at Kenilworth H/S #	6.77m rising	11:02 AM TUE 11/01/11
Mary R at Moy Pocket #	10.65m rising	11:13 AM TUE 11/01/11
Mary R at Moy Pocket *	10.46m rising	04:15 AM TUE 11/01/11
Yabba Ck at Borumba Dam HW *	1.58m falling	10:30 AM TUE 11/01/11
Yabba Ck at Imbil	6.2m rising fast	06:00 AM TUE 11/01/11
Kandanga Ck at Hygait *	5.28m falling	10:20 AM TUE 11/01/11
Amamoor Ck at Zachariah *	4.62m falling	09:40 AM TUE 11/01/11
Mary R at Dagun Pocket *	15.02m falling	10:30 AM TUE 11/01/11
Six Mile Ck at Lake MacDonald Dr#	3.1m falling	09:49 AM TUE 11/01/11
Six Mile Ck at Cooran *	8.1m falling	10:35 AM TUE 11/01/11
Six Mile Ck at Cooran #	8.72m falling	02:35 AM TUE 11/01/11
Deep Ck at Cedar Pocket Dam #	101.42m steady	11:10 AM TUE 11/01/11
Mary R at Gympie	19.2m falling slowly	07:45 AM TUE 11/01/11
Mary R at Gympie #	18.89m falling	10:10 AM TUE 11/01/11
Mary R at Fishermans Pocket *	18.75m falling	10:10 AM TUE 11/01/11
Glastonbury Ck at Glastonbury *	5.44m falling	03:20 AM TUE 11/01/11
Wide Bay Ck at Kilkivan *	4.05m falling	10:40 AM TUE 11/01/11
Wide Bay Ck at Brooyar *	10.6m rising	10:20 AM TUE 11/01/11
Mary R at Miva	18.6m rising slowly	09:00 AM TUE 11/01/11
Mary R at Miva *	18.61m rising	10:40 AM TUE 11/01/11
Munna Ck at Marodian *	6.97m falling	10:40 AM TUE 11/01/11
Mary R at Home Park *	16.14m rising	10:20 AM TUE 11/01/11
Mary R at Tiaro	14.6m rising	09:00 AM TUE 11/01/11

Mary R at The Barrage *	8.95m falling	09:55 AM TUE 11/01/11
Tinana Ck at Tagigan Rd *	5.11m falling	10:00 AM TUE 11/01/11
Tinana Ck at Teddington Weir *	10.82m steady	10:42 AM TUE 11/01/11
Tinana Ck at Tinana Barrage *	5.78m steady	06:00 AM TUE 11/01/11
Mary R at Maryborough	6.1m falling slowly	10:00 AM TUE 11/01/11
Mary R at Churchill St *	5.08m falling	10:40 AM TUE 11/01/11
Bunya Ck at Booral Rd #	0.25m falling	11:14 AM TUE 11/01/11
Black Swamp Ck at Maryborough Rd #	-2.25m steady	08:32 AM TUE 11/01/11
Urangan Boat Harbour tide *	2.91m rising	10:50 AM TUE 11/01/11

*, # denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 4:41 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls of up to 160mm have been recorded since 9am Tuesday in the Obi Obi Creek and Upper Mary River catchments. This is causing renewed rises in the upper reaches of the Mary River between Bellbird Creek and Moy Pocket.

Major flood levels have peaked at Gympie and are expected to continue to slowly ease.

In the lower Mary River, major flooding continues between Miva and the Barrage. Minor flooding is rising slowly in the Mary River at Maryborough with a peak near the moderate flood level of 8 metres expected around midday Wednesday.

Major flooding continues to ease slowly at Dagun Pocket. Minor flooding is also easing on Yabba Creek in the Imbil area.

A major flood peak of 19.24 metres was recorded at Gympie at around 3am Tuesday morning. At 3:52pm Tuesday the Mary River at Gympie was 18.49 metres and falling.

Major flooding continues between Miva and the Barrage with further rises expected during Tuesday and major flooding is expected to continue for the next few days. Moderate flooding is occurring in Tinana Creek at Teddington Weir.

Minor flooding is occurring downstream at Maryborough. Further renewed rises are expected during Tuesday and Wednesday as floodwaters from the upper Mary catchment arrive. A peak near the moderate flood level of 8 metres is expected at Maryborough around midday Wednesday.

Predicted River Heights/Flows:
Mary River at:

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Gympie            Continue to fall slowly

Maryborough       Peak near the moderate flood level (8 metres)
                  around midday Wednesday.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times. Possible
falls in southern parts.

Next Issue:
The next warning will be issued at about 10pm Tuesday.

Latest River Heights:
Obi Obi Ck at Gardners Falls *      1.81m falling       02:30 PM TUE 11/01/11
Obi Obi Ck st Baroon TW #           3.84m steady        03:58 PM TUE 11/01/11
Mary R at Bellbird Ck #             5.93m steady        03:55 PM TUE 11/01/11
Mary R at Kenilworth H/S #          8.72m rising        03:57 PM TUE 11/01/11
Mary R at Moy Pocket #              12.25m rising       03:55 PM TUE 11/01/11
Yabba Ck at Borumba Dam HW *        1.24m falling       03:30 PM TUE 11/01/11
Yabba Ck at Imbil                   6.2m rising fast    06:00 AM TUE 11/01/11
Kandanga Ck at Hygait *             3.91m falling       03:00 PM TUE 11/01/11
Amamoor Ck at Zachariah *           3.56m falling       02:20 PM TUE 11/01/11
Mary R at Dagun Pocket *            14.67m falling      03:45 PM TUE 11/01/11
Six Mile Ck at Lake MacDonald Dr#   3.7m rising         03:52 PM TUE 11/01/11
Six Mile Ck at Cooran #             8.72m falling       02:35 AM TUE 11/01/11
Deep Ck at Cedar Pocket Dam #       101.38m steady      02:30 PM TUE 11/01/11
Mary R at Gympie #                  18.49m falling      03:52 PM TUE 11/01/11
Mary R at Fishermans Pocket *       18.35m falling      03:20 PM TUE 11/01/11
Glastonbury Ck at Glastonbury *     5.44m falling       03:20 AM TUE 11/01/11
Wide Bay Ck at Kilkivan *           2.4m falling        03:00 PM TUE 11/01/11
Wide Bay Ck at Brooyar *            7.91m falling       02:50 PM TUE 11/01/11
Mary R at Miva *                    19.34m rising       03:40 PM TUE 11/01/11
Munna Ck at Marodian *              5.89m falling       03:40 PM TUE 11/01/11
Mary R at Home Park *               17.19m rising       03:40 PM TUE 11/01/11
Mary R at Tiaro                     15.2m rising slowly 03:00 PM TUE 11/01/11
Mary R at The Barrage *             9.35m rising        03:10 PM TUE 11/01/11
Tinana Ck at Tagigan Rd *           4.83m falling       03:00 PM TUE 11/01/11
Tinana Ck at Teddington Weir *      10.81m steady       03:42 PM TUE 11/01/11
Tinana Ck at Tinana Barrage *       5.78m steady        06:00 AM TUE 11/01/11
Mary R at Maryborough               6.3m rising         02:20 PM TUE 11/01/11
Mary R at Churchill St *            5.26m rising        03:41 PM TUE 11/01/11

*,# from automatic station

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TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 10:09 PM on Tuesday the 11th of January 2011
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by the Bureau of Meteorology, Brisbane.

Rainfalls of up to 190mm have been recorded since 9am Tuesday in the Obi Obi Creek and Upper Mary River catchments. Renewed rises in the upper reaches of the Mary River between Bellbird Creek and Moy Pocket.

Major flood levels have peaked at Gympie and are expected to continue to slowly ease.

In the lower Mary River, major flooding continues between Miva and the Barrage. Minor flooding is rising slowly in the Mary River at Maryborough with a peak near the moderate flood level of 8 metres expected around midday Wednesday.

Major flooding continues to ease slowly at Dagun Pocket. Minor flooding is also easing on Yabba Creek in the Imbil area.

Major flood levels are expected to continue easing overnight Tuesday and into Wednesday at Gympie. At 9:20pm Tuesday the Mary River at Gympie was 18.04m and continuing to fall.

Major flooding continues between Miva and the Barrage with further rises expected during Tuesday and major flooding is expected to continue for the next few days. Moderate flooding is occurring in Tinana Creek at Teddington Weir.

Minor flooding is occurring downstream at Maryborough. Renewed rises are expected to continue into Wednesday as floodwaters from the upper Mary catchment arrive. A peak near the moderate flood level of 8 metres is expected at Maryborough around midday Wednesday.

Predicted River Heights/Flows:
Mary River at:

Gympie	Continue to fall slowly.
Maryborough	Peak near the moderate flood level (8 metres) around midday Wednesday.

Weather Forecast:
Isolated showers and thunderstorms, tending to scattered showers and rain areas in the south. Some moderate falls possible in southern parts.

Next Issue:
The next warning will be issued at about 8am Tuesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	1.15m falling	08:00 PM TUE 11/01/11
Obi Obi Ck st Baroon TW #	3.49m steady	09:33 PM TUE 11/01/11
Mary R at Bellbird Ck #	5.08m rising	09:01 PM TUE 11/01/11
Mary R at Kenilworth H/S #	8.72m falling	09:47 PM TUE 11/01/11
Mary R at Moy Pocket #	13.75m rising	09:50 PM TUE 11/01/11
Yabba Ck at Borumba Dam HW *	1.2m falling	09:30 PM TUE 11/01/11
Yabba Ck at Imbil	6.2m rising fast	06:00 AM TUE 11/01/11
Kandanga Ck at Hygait *	3.11m falling	08:00 PM TUE 11/01/11
Amamoor Ck at Zachariah *	3.1m steady	08:00 PM TUE 11/01/11
Mary R at Dagun Pocket *	14.35m rising	09:30 PM TUE 11/01/11
Six Mile Ck at Lake MacDonald Dr#	5m rising	09:36 PM TUE 11/01/11
Six Mile Ck at Cooran #	8.72m falling	02:35 AM TUE 11/01/11
Deep Ck at Cedar Pocket Dam #	101.36m steady	07:53 PM TUE 11/01/11
Mary R at Gympie #	18.04m falling	09:22 PM TUE 11/01/11
Mary R at Fishermans Pocket *	17.86m falling	08:30 PM TUE 11/01/11
Glastonbury Ck at Glastonbury *	5.44m falling	03:20 AM TUE 11/01/11
Wide Bay Ck at Kilkivan *	1.77m falling	09:00 PM TUE 11/01/11

Wide Bay Ck at Brooyar *	5.38m falling	09:00 PM TUE 11/01/11
Mary R at Miva *	19.34m falling	08:40 PM TUE 11/01/11
Munna Ck at Marodian *	4.95m falling	08:49 PM TUE 11/01/11
Mary R at Home Park *	18.06m rising	08:40 PM TUE 11/01/11
Mary R at Tiaro	15.2m rising slowly	03:00 PM TUE 11/01/11
Mary R at The Barrage *	9.99m rising	09:05 PM TUE 11/01/11
Tinana Ck at Tagigan Rd *	4.58m falling	08:00 PM TUE 11/01/11
Tinana Ck at Teddington Weir *	10.83m steady	09:42 PM TUE 11/01/11
Tinana Ck at Tinana Barrage *	5.78m steady	06:00 AM TUE 11/01/11
Mary R at Maryborough	6.55m rising	08:30 PM TUE 11/01/11
Mary R at Churchill St *	5.56m rising	09:41 PM TUE 11/01/11

*,# from automatic station

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IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 7:16 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

The heavy rainfall has eased overnight to isolated rain areas and showers across the Mary River catchment. Stream levels are generally easing across the Mary catchment during Wednesday morning, where major flooding is easing at Gympie.

Major flooding continues in the lower Mary River between Miva and the Barrage, where the main flood peak is currently in the Home Park area. Minor flooding continues to slowly rise downstream at Maryborough with a peak near the moderate flood level of 8 metres expected around midday Wednesday.

Minor to moderate flooding continues to ease along the upper Mary River between Kenilworth and Dagun Pocket. Major flood levels are easing at Gympie, where at 6:25am Wednesday the river level was 17.34m and continuing to fall. Creek rises and moderate flooding is occurring at Cooran in Six Mile Creek, and approaching a peak during Wednesday morning.

Major flooding continues in the lower Mary River between Miva and the Barrage, where the flood peak is currently in the Home Park area. Moderate flooding continues in Tinana Creek at Teddington Weir.

River rises and minor flooding continues downstream at Maryborough, where a peak near the moderate flood level of 8 metres is expected at Maryborough around midday Wednesday.

Predicted River Heights/Flows:
Mary River at:

Gympie Continue to fall slowly.

Maryborough Peak near the moderate flood level (8 metres) around midday Wednesday.

Weather Forecast:
Patchy rain areas, scattered showers and isolated thunderstorms, easing to isolated showers during the day.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.68m steady	05:00 AM WED 12/01/11
Obi Obi Ck st Baroon TW #	2.49m falling	07:03 AM WED 12/01/11
Mary R at Bellbird Ck #	2.73m steady	06:55 AM WED 12/01/11
Mary R at Kenilworth H/S #	4.67m falling	07:08 AM WED 12/01/11
Mary R at Moy Pocket #	11.6m falling	07:01 AM WED 12/01/11
Yabba Ck at Borumba Dam HW *	1.14m falling	11:30 PM TUE 11/01/11
Yabba Ck at Imbil	NA	
Kandanga Ck at Hygait *	2.2m falling	06:00 AM WED 12/01/11
Amamoor Ck at Zachariah *	2.78m falling	06:00 AM WED 12/01/11
Mary R at Dagun Pocket *	14.43m rising	01:45 AM WED 12/01/11
Six Mile Ck at Lake MacDonald Dr#	4.25m falling	06:59 AM WED 12/01/11
Six Mile Ck at Cooran #	8.77m rising	06:44 AM WED 12/01/11
Deep Ck at Cedar Pocket Dam #	101.4m steady	07:03 AM WED 12/01/11
Mary R at Gympie #	17.34m falling	06:25 AM WED 12/01/11
Mary R at Fishermans Pocket *	16.97m falling	06:00 AM WED 12/01/11
Glastonbury Ck at Glastonbury *	1.87m steady	06:00 AM WED 12/01/11
Wide Bay Ck at Kilkivan *	1.58m steady	06:00 AM WED 12/01/11
Wide Bay Ck at Brooyar *	4.17m falling	06:00 AM WED 12/01/11
Mary R at Miva *	18.39m falling	06:40 AM WED 12/01/11
Munna Ck at Marodian *	5.29m rising	06:30 AM WED 12/01/11
Mary R at Home Park *	18.46m rising	12:20 AM WED 12/01/11
Mary R at Tiaro	15.2m rising slowly	03:00 PM TUE 11/01/11
Mary R at The Barrage *	10.93m rising	06:00 AM WED 12/01/11
Tinana Ck at Tagigan Rd *	4.45m falling	11:00 PM TUE 11/01/11
Tinana Ck at Teddington Weir *	10.84m steady	06:50 AM WED 12/01/11
Tinana Ck at Tinana Barrage *	6.88m rising	06:10 AM WED 12/01/11
Mary R at Maryborough	6.7m rising	10:15 PM TUE 11/01/11
Mary R at Churchill St *	6.22m rising	06:41 AM WED 12/01/11
Bunya Ck at Booral Rd #	-0.15m rising	05:45 AM WED 12/01/11
Black Swamp Ck at Maryborough Rd #	-2.3m steady	05:32 AM WED 12/01/11
Urangan Boat Harbour tide *	1.9m steady	06:50 AM WED 12/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER

Issued at 10:52 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

The heavy rainfall has eased overnight to isolated rain areas and showers across the Mary River catchment. Stream levels are generally easing across the Mary catchment during Wednesday morning, where major flooding is easing at Gympie.

Major flooding continues in the lower Mary River between Miva and the Barrage, where the main flood peak is currently in the Home Park area. Minor flooding continues to slowly rise downstream at Maryborough with a peak near the moderate flood level of 8 metres expected early Wednesday afternoon.

Minor to moderate flooding continues to ease along the upper Mary River between Kenilworth and Dagun Pocket. Major flood levels are easing at Gympie, where at 10am Wednesday the river level was 17.19 metres and expected to fall below the major flood level of 17.0 metres by Wednesday afternoon. Creek rises and moderate flooding is occurring at Cooran in Six Mile Creek, and approaching a peak during Wednesday morning.

Major flooding continues in the lower Mary River between Miva and the Barrage, where the flood peak is currently in the Home Park area. Moderate flooding continues in Tinana Creek at Teddington Weir.

River rises and minor flooding continues downstream at Maryborough, where a peak near the moderate flood level of 8 metres is expected at Maryborough early Wednesday afternoon.

Predicted River Heights/Flows:
Mary River at:

Gympie Expected to fall below the major flood level of 17.0 metres by Wednesday afternoon.

Maryborough Peak near the moderate flood level (8 metres) early Wednesday afternoon.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 5pm Wednesday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.64m steady	09:00 AM WED 12/01/11
Obi Obi Ck st Baroon TW #	2.17m falling	10:28 AM WED 12/01/11
Mary R at Bellbird Ck #	2.48m falling	10:02 AM WED 12/01/11
Mary R at Bellbird Ck *	2.6m falling	09:00 AM WED 12/01/11
Mary R at Kenilworth H/S #	3.67m falling	10:32 AM WED 12/01/11
Mary R at Moy Pocket #	10.55m rising	10:31 AM WED 12/01/11
Mary R at Moy Pocket *	10.88m falling	09:20 AM WED 12/01/11
Yabba Ck at Borumba Dam HW *	1.14m falling	11:30 PM TUE 11/01/11
Kandanga Ck at Hygait *	2.04m falling	09:00 AM WED 12/01/11
Amamoor Ck at Zachariah *	2.76m falling	09:00 AM WED 12/01/11
Mary R at Dagun Pocket *	14.43m rising	01:45 AM WED 12/01/11
Six Mile Ck at Lake MacDonald Dr#	3.85m falling	10:19 AM WED 12/01/11
Six Mile Ck at Cooran #	8.82m steady	10:28 AM WED 12/01/11
Deep Ck at Cedar Pocket Dam #	101.4m steady	07:53 AM WED 12/01/11
Mary R at Gympie	17.5m falling	05:00 AM WED 12/01/11
Mary R at Gympie #	17.19m falling	09:46 AM WED 12/01/11
Mary R at Fishermans Pocket *	16.72m falling	09:50 AM WED 12/01/11
Glastonbury Ck at Glastonbury *	1.89m rising	07:00 AM WED 12/01/11
Wide Bay Ck at Kilkivan *	1.62m rising	09:00 AM WED 12/01/11

Wide Bay Ck at Brooyar *	4m falling	09:00 AM WED 12/01/11
Mary R at Miva	18.35m falling slowly	09:00 AM WED 12/01/11
Mary R at Miva *	18.03m falling	09:40 AM WED 12/01/11
Munna Ck at Marodian *	5.47m rising	09:00 AM WED 12/01/11
Mary R at Home Park *	18.63m falling	09:40 AM WED 12/01/11
Mary R at Tiaro	17m rising	08:00 AM WED 12/01/11
Mary R at The Barrage *	11.17m rising	09:10 AM WED 12/01/11
Tinana Ck at Tagigan Rd *	4.45m falling	11:00 PM TUE 11/01/11
Tinana Ck at Teddington Weir *	10.83m steady	09:40 AM WED 12/01/11
Tinana Ck at Tinana Barrage *	6.88m rising	06:10 AM WED 12/01/11
Mary R at Maryborough	7.4m rising slowly	07:00 AM WED 12/01/11
Mary R at Churchill St *	6.43m rising	09:40 AM WED 12/01/11
Bunya Ck at Booral Rd #	-0.15m steady	10:30 AM WED 12/01/11
Black Swamp Ck at Maryborough Rd #	-2.35m steady	08:32 AM WED 12/01/11
Urangan Boat Harbour tide *	2.25m rising	09:50 AM WED 12/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 4:53 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels are easing across the upper Mary catchment with rises continuing at
the bottom of Tinana Creek and at Maryborough.

Major flooding continues in the lower Mary River between Miva and the Barrage,
where the main flood peak is currently in the Barrage area. Minor flooding
continues to slowly rise downstream at Maryborough with a peak near the moderate
flood level of 8 metres expected during Wednesday evening.

Minor to moderate flooding continues to ease along the upper Mary River between
Moy Pocket and Dagun Pocket and in Six Mile Creek at Cooran. Major flood levels
are easing at Gympie, where at 3pm Wednesday the river level was 17.04 metres.

River rises and minor flooding continues to rise downstream at Maryborough,
where a peak near the moderate flood level of 8 metres is expected at
Maryborough during Wednesday evening.

Predicted River Heights/Flows:
Mary River at:

Maryborough Peak near the moderate flood level (8 metres) early
Wednesday afternoon.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 11pm Wednesday.

Latest River Heights:

Obi Obi Ck st Baroon TW #	1.82m falling	03:53 PM WED 12/01/11
Mary R at Bellbird Ck #	2.23m steady	03:55 PM WED 12/01/11
Mary R at Kenilworth H/S #	2.82m falling	04:14 PM WED 12/01/11
Mary R at Moy Pocket #	9.05m falling	04:24 PM WED 12/01/11
Kandanga Ck at Hygait *	1.83m falling	03:00 PM WED 12/01/11
Amamoor Ck at Zachariah *	2.73m falling	11:00 AM WED 12/01/11
Mary R at Dagun Pocket *	14.43m rising	01:45 AM WED 12/01/11
Six Mile Ck at Lake MacDonald Dr#	3.25m falling	04:17 PM WED 12/01/11
Six Mile Ck at Cooran #	8.22m steady	04:28 PM WED 12/01/11
Deep Ck at Cedar Pocket Dam #	101.32m steady	04:20 PM WED 12/01/11
Mary R at Gympie #	17.04m steady	03:01 PM WED 12/01/11
Mary R at Fishermans Pocket *	16.61m rising	02:00 PM WED 12/01/11
Glastonbury Ck at Glastonbury *	2.25m falling	12:00 PM WED 12/01/11
Wide Bay Ck at Kilkivan *	1.5m falling	03:00 PM WED 12/01/11
Wide Bay Ck at Brooyar *	4.05m falling	03:00 PM WED 12/01/11
Mary R at Miva *	17.41m steady	03:10 PM WED 12/01/11
Munna Ck at Marodian *	5.24m falling	03:00 PM WED 12/01/11
Mary R at Home Park *	18.21m falling	03:20 PM WED 12/01/11
Mary R at Tiaro	16.85m falling	03:00 PM WED 12/01/11
Mary R at The Barrage *	11.33m falling	03:10 PM WED 12/01/11
Tinana Ck at Teddington Weir *	10.81m steady	03:41 PM WED 12/01/11
Tinana Ck at Tinana Barrage *	6.88m rising	06:10 AM WED 12/01/11
Mary R at Maryborough	7.77m rising slowly	02:00 PM WED 12/01/11
Mary R at Churchill St *	6.76m rising	03:41 PM WED 12/01/11

#,* from automatic station

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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 10:33 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels are easing across the upper Mary catchment with rises continuing at
the bottom of Tinana Creek and at Maryborough.

Major flooding continues in the lower Mary River between Miva and the Barrage,
where the main flood peak is currently in the Barrage area. Minor flooding
continues to slowly rise downstream at Maryborough with a peak near the moderate
flood level of 8 metres expected during Wednesday evening.

Minor to moderate flooding continues to ease along the upper Mary River between
Moy Pocket and Dagun Pocket and in Six Mile Creek at Cooran.

The Mary River at Gympie has fallen below major flood levels and is continuing to fall.

River rises and minor flooding continues to rise downstream at Maryborough, where a peak near the moderate flood level of 8 metres is expected at Maryborough during Wednesday evening.

Predicted River Heights/Flows:
Mary River at:

Maryborough Peak near the moderate flood level (8 metres)
Wednesday evening.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.6m steady	09:00 PM WED 12/01/11
Obi Obi Ck st Baroon TW #	1.62m steady	09:58 PM WED 12/01/11
Mary R at Bellbird Ck *	2.15m falling	09:00 PM WED 12/01/11
Mary R at Kenilworth H/S #	2.47m falling	10:00 PM WED 12/01/11
Mary R at Moy Pocket *	8.06m falling	09:20 PM WED 12/01/11
Yabba Ck at Borumba Dam HW *	0.65m falling	09:00 PM WED 12/01/11
Kandanga Ck at Hygait *	1.75m falling	09:00 PM WED 12/01/11
Amamoor Ck at Zachariah *	2.65m steady	09:00 PM WED 12/01/11
Mary R at Dagun Pocket *	13.1m falling	09:45 PM WED 12/01/11
Six Mile Ck at Lake MacDonald Dr#	2.7m falling	10:02 PM WED 12/01/11
Six Mile Ck at Cooran *	7.69m falling	09:00 PM WED 12/01/11
Deep Ck at Cedar Pocket Dam #	101.27m steady	09:10 PM WED 12/01/11
Mary R at Gympie #	16.64m falling	09:40 PM WED 12/01/11
Mary R at Fishermans Pocket *	16.28m steady	09:10 PM WED 12/01/11
Glastonbury Ck at Glastonbury *	2.25m falling	12:00 PM WED 12/01/11
Wide Bay Ck at Kilkivan *	1.39m falling	09:00 PM WED 12/01/11
Wide Bay Ck at Brooyar *	3.77m falling	09:00 PM WED 12/01/11
Mary R at Miva	18.35m falling slowly	09:00 AM WED 12/01/11
Munna Ck at Marodian *	4.33m falling	09:20 PM WED 12/01/11
Mary R at Home Park *	17.61m falling	08:50 PM WED 12/01/11
Mary R at Tiaro	16.85m falling	03:00 PM WED 12/01/11
Mary R at The Barrage *	11.32m rising	09:10 PM WED 12/01/11
Tinana Ck at Tagigan Rd *	3.26m falling	09:00 PM WED 12/01/11
Tinana Ck at Teddington Weir *	10.78m steady	09:52 PM WED 12/01/11
Tinana Ck at Tinana Barrage *	6.88m rising	06:10 AM WED 12/01/11
Mary R at Maryborough	7.77m rising slowly	02:00 PM WED 12/01/11
Mary R at Churchill St *	6.92m steady	09:40 PM WED 12/01/11

#,* automatic station

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IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 7:27 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to ease in the Mary River at Gympie, with major flooding also easing downstream between Miva and The Barrage. A minor flood peak at Maryborough just below the moderate flood level of 8 metres was recorded at 9pm Wednesday, with minor flooding currently easing during Thursday morning.

Minor flooding continues to ease in the upper Mary River at Dagun Pocket, with moderate flood levels also easing at Gympie. At 7am Thursday the river level at Gympie was 15.49 metres, with river levels expected to fall away more quickly during Thursday.

Stream levels have eased below minor flood levels along Six Mile Creek.

Major flooding continues to ease along the lower Mary River between Miva and The Barrage. Minor to moderate flooding is similarly easing in Tinana Creek at Teddington Weir and at Tinana Barrage.

Minor flood levels are easing downstream at Maryborough, where a minor flood peak to 7.95 metres was recorded at 9pm Wednesday. At 5am Thursday the river level at Maryborough was 7.8 metres, with levels expected to continue to fall away during Thursday.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 1pm Thursday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.56m steady	05:00 AM THU 13/01/11
Obi Obi Ck st Baroon TW #	1.32m steady	07:13 AM THU 13/01/11
Mary R at Bellbird Ck #	1.88m steady	06:55 AM THU 13/01/11
Mary R at Kenilworth H/S #	2.07m falling	07:18 AM THU 13/01/11
Mary R at Moy Pocket #	6.4m falling	07:05 AM THU 13/01/11
Yabba Ck at Borumba Dam HW *	0.54m steady	06:00 AM THU 13/01/11
Kandanga Ck at Hygait *	1.57m falling	06:00 AM THU 13/01/11
Amamoor Ck at Zachariah *	2.53m steady	06:00 AM THU 13/01/11
Mary R at Dagun Pocket *	11.76m falling	06:30 AM THU 13/01/11
Six Mile Ck at Lake MacDonald Dr#	2.05m falling	07:17 AM THU 13/01/11
Six Mile Ck at Cooran *	6.3m falling	06:00 AM THU 13/01/11
Mary R at Gympie Weir *	16.08m falling	06:30 AM THU 13/01/11
Mary R at Gympie #	15.44m falling	07:17 AM THU 13/01/11
Mary R at Fishermans Pocket *	15.39m falling	06:10 AM THU 13/01/11
Glastonbury Ck at Glastonbury *	1.68m steady	05:00 AM THU 13/01/11
Wide Bay Ck at Kilkivan *	1.27m falling	06:00 AM THU 13/01/11
Wide Bay Ck at Brooyar *	3.4m falling	06:00 AM THU 13/01/11
Mary R at Miva *	16.27m falling	06:00 AM THU 13/01/11
Munna Ck at Marodian *	3.52m falling	06:00 AM THU 13/01/11
Mary R at Home Park *	16.51m falling	06:10 AM THU 13/01/11
Mary R at Tiaro	16.85m falling	03:00 PM WED 12/01/11
Mary R at The Barrage *	10.83m falling	06:10 AM THU 13/01/11
Tinana Ck at Tagigan Rd *	2.99m falling	06:00 AM THU 13/01/11
Tinana Ck at Teddington Weir *	10.7m steady	06:42 AM THU 13/01/11

Tinana Ck at Tinana Barrage *	7.32m steady	06:00 AM THU 13/01/11
Mary R at Maryborough	7.8m falling slowly	05:00 AM THU 13/01/11
Mary R at Churchill St *	6.64m falling	06:41 AM THU 13/01/11
Bunya Ck at Booral Rd #	-0.2m steady	04:30 AM THU 13/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m steady	05:32 AM THU 13/01/11
Urangan Boat Harbour tide *	2.28m falling	05:50 AM THU 13/01/11

*,# denotes automatic station.

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public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 12:57 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to ease in the Mary River at Gympie, with major flooding also easing downstream between Miva and The Barrage. A minor flood peak at Maryborough just below the moderate flood level of 8 metres was recorded at 9pm Wednesday, with minor flooding currently easing during Thursday.

Minor flooding continues to ease in the upper Mary River at Dagun Pocket, with moderate flood levels also easing at Gympie. At 12:30pm Thursday the river level at Gympie was 14.59 metres, with river levels expected to fall away more quickly during Thursday and Friday.

Major flooding continues to ease along the lower Mary River between Miva and The Barrage. Minor to moderate flooding is similarly easing in Tinana Creek at Teddington Weir and at Tinana Barrage.

Minor flood levels are easing downstream at Maryborough, where a minor flood peak to 7.95 metres was recorded at 9pm Wednesday. At 12:40pm Thursday the river level at Churchill St was 6.4 metres, with levels at Maryborough expected to continue to fall away during Thursday.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 8pm Thursday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.55m steady	11:00 AM THU 13/01/11
Obi Obi Ck st Baroon TW #	1.21m steady	12:23 PM THU 13/01/11
Mary R at Bellbird Ck #	1.78m falling	10:26 AM THU 13/01/11
Mary R at Kenilworth H/S #	1.87m falling	12:26 PM THU 13/01/11
Mary R at Moy Pocket #	5.7m falling	12:40 PM THU 13/01/11
Kandanga Ck at Hygait *	1.47m falling	11:00 AM THU 13/01/11
Amamoor Ck at Zachariah *	2.49m steady	11:00 AM THU 13/01/11

Mary R at Dagun Pocket *	10.92m falling	12:30 PM THU 13/01/11
Six Mile Ck at Lake MacDonald Dr#	1.85m steady	11:37 AM THU 13/01/11
Six Mile Ck at Cooran *	5.47m falling	11:00 AM THU 13/01/11
Mary R at Gympie Weir *	15.83m falling	08:15 AM THU 13/01/11
Mary R at Gympie #	14.59m falling	12:28 PM THU 13/01/11
Mary R at Fishermans Pocket *	14.99m falling	09:10 AM THU 13/01/11
Glastonbury Ck at Glastonbury *	1.62m falling	10:00 AM THU 13/01/11
Wide Bay Ck at Kilkivan *	1.22m falling	12:00 PM THU 13/01/11
Wide Bay Ck at Brooyar *	3.22m falling	12:00 PM THU 13/01/11
Mary R at Miva *	15.86m falling	11:40 AM THU 13/01/11
Munna Ck at Marodian *	3.37m falling	11:00 AM THU 13/01/11
Mary R at Home Park *	15.78m falling	11:50 AM THU 13/01/11
Mary R at Tiaro	15.5m falling slowly	09:00 AM THU 13/01/11
Mary R at The Barrage *	10.34m falling	12:00 PM THU 13/01/11
Tinana Ck at Tagigan Rd *	2.79m falling	11:00 AM THU 13/01/11
Tinana Ck at Teddington Weir *	10.62m falling	12:42 PM THU 13/01/11
Tinana Ck at Tinana Barrage *	7.32m falling	06:00 AM THU 13/01/11
Mary R at Maryborough	7.8m falling slowly	05:00 AM THU 13/01/11
Mary R at Churchill St *	6.4m falling	12:41 PM THU 13/01/11
Bunya Ck at Booral Rd #	-0.2m steady	10:30 AM THU 13/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m steady	11:32 AM THU 13/01/11
Urangan Boat Harbour tide *	1.9m rising	09:50 AM THU 13/01/11

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 8:01 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to ease in the Mary River at Gympie, with moderate to major flooding also easing downstream between Miva and The Barrage. A minor flood peak at Maryborough just below the moderate flood level of 8 metres was recorded at 9pm Wednesday, and minor flooding will continue easing during Thursday evening and Friday.

Minor flooding continues to ease in the upper Mary River at Dagun Pocket, with moderate flood levels also easing at Gympie. At 7:19pm Thursday the river level at Gympie was 13.39 metres, with river levels expected to fall away more quickly during Thursday evening and Friday.

Major flooding continues to ease along the lower Mary River between Miva and The Barrage. Minor to moderate flooding is similarly easing in Tinana Creek at Teddington Weir and at Tinana Barrage.

Minor flood levels are easing downstream at Maryborough, where a minor flood peak to 7.95 metres was recorded at 9pm Wednesday. At 6:40pm Thursday the river level at Churchill St was 5.98 metres, with levels at Maryborough expected to

continue to fall away during Thursday evening.

Next Issue:
The next warning will be issued at about 9am Friday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.53m steady	06:00 PM THU 13/01/11
Obi Obi Ck st Baroon TW #	1.12m falling	07:08 PM THU 13/01/11
Mary R at Bellbird Ck #	1.68m steady	06:55 PM THU 13/01/11
Mary R at Kenilworth H/S #	1.67m falling	07:00 PM THU 13/01/11
Mary R at Moy Pocket #	5.15m rising	07:04 PM THU 13/01/11
Yabba Ck at Borumba Dam HW *	0.44m steady	06:00 PM THU 13/01/11
Kandanga Ck at Hygait *	1.34m falling	06:00 PM THU 13/01/11
Amamoor Ck at Zachariah *	2.44m steady	06:00 PM THU 13/01/11
Mary R at Dagun Pocket *	9.85m falling	06:45 PM THU 13/01/11
Six Mile Ck at Lake MacDonald Dr#	1.5m falling	06:55 PM THU 13/01/11
Six Mile Ck at Cooran #	4.32m falling	07:00 PM THU 13/01/11
Deep Ck at Cedar Pocket Dam #	101.15m steady	05:10 PM THU 13/01/11
Mary R at Gympie Weir *	15.83m falling	08:15 AM THU 13/01/11
Mary R at Gympie #	13.39m falling	07:19 PM THU 13/01/11
Mary R at Fishermans Pocket *	13.78m falling	05:50 PM THU 13/01/11
Glastonbury Ck at Glastonbury *	1.6m falling	12:00 PM THU 13/01/11
Wide Bay Ck at Kilkivan *	1.16m steady	06:00 PM THU 13/01/11
Wide Bay Ck at Brooyar *	3.07m falling	06:00 PM THU 13/01/11
Mary R at Miva *	15.31m rising	06:30 PM THU 13/01/11
Munna Ck at Marodian *	3.28m falling	06:00 PM THU 13/01/11
Mary R at Home Park *	15.11m falling	06:00 PM THU 13/01/11
Mary R at Tiaro	14.9m falling slowly	03:00 PM THU 13/01/11
Mary R at The Barrage *	9.76m falling	06:00 PM THU 13/01/11
Tinana Ck at Tagigan Rd *	2.54m falling	06:00 PM THU 13/01/11
Tinana Ck at Teddington Weir *	10.54m falling	06:42 PM THU 13/01/11
Tinana Ck at Tinana Barrage *	7.32m steady	06:00 AM THU 13/01/11
Mary R at Maryborough	7.22m falling	04:00 PM THU 13/01/11
Mary R at Churchill St *	5.98m falling	06:40 PM THU 13/01/11
Bunya Ck at Booral Rd #	-0.2m steady	04:30 PM THU 13/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m rising	06:53 PM THU 13/01/11
Urangan Boat Harbour tide *	1.9m rising	09:50 AM THU 13/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 8:21 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Mary River at Gympie. Moderate to major
flooding is also easing downstream between Miva and The Barrage with minor

flooding easing at Maryborough.

Minor flooding continues to ease in the upper Mary River at Dagun Pocket, with moderate flood levels also easing at Gympie. At 8am Friday the river level at Gympie was 11.09 metres, with river levels expected to fall below the minor flood level early Saturday.

Moderate to major flooding continues to ease along the lower Mary River between Miva and The Barrage. Minor flooding is easing in Tinana Creek at Teddington Weir.

Minor flood levels are also easing downstream at Maryborough with river levels expected to fall below minor during Friday morning. At 7:40am Friday the river level at Churchill St was 4.87 metres.

Next Issue:
The next warning will be issued at about 5pm Friday.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.51m steady	06:00 AM FRI 14/01/11
Obi Obi Ck st Baroon TW #	1.01m falling	07:08 AM FRI 14/01/11
Mary R at Bellbird Ck #	1.53m steady	06:55 AM FRI 14/01/11
Mary R at Kenilworth H/S #	1.42m falling	06:33 AM FRI 14/01/11
Mary R at Moy Pocket #	4.3m falling	07:37 AM FRI 14/01/11
Yabba Ck at Borumba Dam HW *	0.37m falling	06:00 AM FRI 14/01/11
Kandanga Ck at Hygait *	1.2m steady	06:00 AM FRI 14/01/11
Amamoor Ck at Zachariah *	2.39m steady	06:00 AM FRI 14/01/11
Mary R at Dagun Pocket *	7.47m falling	06:30 AM FRI 14/01/11
Six Mile Ck at Lake MacDonald Dr#	1.2m falling	07:02 AM FRI 14/01/11
Six Mile Ck at Cooran #	3.47m steady	07:28 AM FRI 14/01/11
Deep Ck at Cedar Pocket Dam #	101.12m steady	06:40 AM FRI 14/01/11
Mary R at Gympie #	11.14m falling	07:24 AM FRI 14/01/11
Mary R at Fishermans Pocket *	11.9m falling	06:00 AM FRI 14/01/11
Glastonbury Ck at Glastonbury *	1.44m steady	04:00 AM FRI 14/01/11
Wide Bay Ck at Kilkivan *	1.08m steady	06:00 AM FRI 14/01/11
Wide Bay Ck at Brooyar *	2.82m falling	06:00 AM FRI 14/01/11
Mary R at Miva *	13.93m falling	06:30 AM FRI 14/01/11
Munna Ck at Marodian *	3.05m falling	06:00 AM FRI 14/01/11
Mary R at Home Park *	14.26m falling	12:20 AM FRI 14/01/11
Mary R at Tiaro	13m falling slowly	07:10 AM FRI 14/01/11
Mary R at The Barrage *	8.38m falling	07:05 AM FRI 14/01/11
Tinana Ck at Tagigan Rd *	2.27m falling	06:00 AM FRI 14/01/11
Tinana Ck at Teddington Weir *	10.37m falling	05:51 AM FRI 14/01/11
Tinana Ck at Tinana Barrage *	5.57m falling	06:10 AM FRI 14/01/11
Mary R at Churchill St *	4.87m falling	07:41 AM FRI 14/01/11
Bunya Ck at Booral Rd #	-0.15m steady	07:30 AM FRI 14/01/11
Black Swamp Ck at Maryborough Rd #	-2.5m steady	05:32 AM FRI 14/01/11

#, * denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MARY RIVER
Issued at 4:36 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood continues to ease along the Mary River between Gympie and the Barrage and in Tinana Creek between Teddington Weir and Tinana Barrage.

Minor flooding continues to ease in the upper Mary River at Gympie. At 4:15pm Friday the river level at Gympie was 9.24 metres, with river levels expected to fall below the minor flood level Saturday morning.

River levels at Maryborough have continued easing during Friday with river levels now below the minor flood level.

Next Issue:
The next warning will be issued at about 9am Saturday.

Latest River Heights:

Mary R at Gympie #	9.24m falling	04:16 PM FRI 14/01/11
Mary R at Fishermans Pocket *	10.19m falling	03:20 PM FRI 14/01/11
Mary R at Miva *	12.67m falling	03:40 PM FRI 14/01/11
Mary R at Home Park *	12.01m falling	03:30 PM FRI 14/01/11
Mary R at Tiaro	11.7m falling slowly	03:50 PM FRI 14/01/11
Mary R at The Barrage *	7.49m falling	03:00 PM FRI 14/01/11
Tinana Ck at Teddington Weir *	10.2m falling	03:51 PM FRI 14/01/11
Tinana Ck at Tinana Barrage *	5.57m falling	06:10 AM FRI 14/01/11
Mary R at Churchill St *	4.07m falling	03:41 PM FRI 14/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM612

IDQ20790

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE MARY RIVER
Issued at 8:54 AM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue to ease between Miva and Tiaro with below minor levels expected on Sunday.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Obi Obi Ck at Gardners Falls *	0.5m steady	03:00 PM FRI 14/01/11
Obi Obi Ck st Baroon TW #	0.87m steady	01:08 AM SAT 15/01/11
Mary R at Bellbird Ck #	1.38m steady	06:55 AM SAT 15/01/11
Mary R at Bellbird Ck *	1.37m steady	07:00 AM SAT 15/01/11
Mary R at Kenilworth H/S #	1.07m falling	07:04 AM SAT 15/01/11
Mary R at Moy Pocket #	3.55m falling	06:36 AM SAT 15/01/11
Mary R at Moy Pocket *	3.55m falling	07:00 AM SAT 15/01/11
Yabba Ck at Borumba Dam HW *	0.28m steady	06:00 AM SAT 15/01/11
Kandanga Ck at Hygait *	1.03m steady	07:00 AM SAT 15/01/11
Amamoor Ck at Zachariah *	2.32m steady	07:00 AM SAT 15/01/11
Mary R at Dagun Pocket *	4.58m falling	06:15 AM SAT 15/01/11
Six Mile Ck at Lake MacDonald Dr#	0.95m steady	05:37 AM SAT 15/01/11
Six Mile Ck at Cooran *	2.96m falling	07:00 AM SAT 15/01/11
Six Mile Ck at Cooran #	2.97m steady	07:28 AM SAT 15/01/11
Deep Ck at Cedar Pocket Dam #	101.09m steady	07:53 AM SAT 15/01/11
Mary R at Gympie #	5.14m falling	08:06 AM SAT 15/01/11
Mary R at Fishermans Pocket *	6.4m falling	07:00 AM SAT 15/01/11
Glastonbury Ck at Glastonbury *	1.3m steady	07:00 AM SAT 15/01/11
Wide Bay Ck at Kilkivan *	0.98m steady	07:00 AM SAT 15/01/11
Wide Bay Ck at Brooyar *	2.53m falling	07:00 AM SAT 15/01/11
Mary R at Miva *	10m falling	07:30 AM SAT 15/01/11
Munna Ck at Marodian *	2.17m falling	07:00 AM SAT 15/01/11
Mary R at Home Park *	10.72m falling	12:10 AM SAT 15/01/11
Mary R at Tiaro	11.7m falling slowly	03:50 PM FRI 14/01/11
Mary R at The Barrage *	6.22m falling	07:05 AM SAT 15/01/11
Tinana Ck at Tagigan Rd *	2.04m steady	07:00 AM SAT 15/01/11
Tinana Ck at Teddington Weir *	9.93m falling	07:46 AM SAT 15/01/11
Tinana Ck at Tinana Barrage *	3.67m falling	07:00 AM SAT 15/01/11
Mary R at Churchill St *	2.82m falling	07:40 AM SAT 15/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(19)"

FLDWARN for the Noosa and Maroochy Rs

1 December 2010 to 31 January 2011

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TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 1:39 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

The heavy rainfall during Sunday has resulted in fast river level rises along
the Maroochy and Mooloolah rivers and small rises in the Noosa River catchment.
Further rises are likely as heavy rainfall continues.

MAROOCHY RIVER:
River levels are rising along the Maroochy River with rainfall expected to
continue. Major flood levels of at least 6 metres are expected at Eumundi today.
Moderate flood levels are possible at Yandina this evening if rainfall
continues. Moderate flood levels are likely along Doonan Creek and Paynter Creek
later today.


MOOLOOLAH RIVER:
Moderate flood levels are rising at Jordan Street.

NOOSA RIVER:
Minor flood levels are rising at Lake Cooroibah with rises above minor possible
at Tewantin as rainfall continues.



Weather Forecast:
Heavy rain continuing.

Next Issue:
The next warning will be issued by 5pm Sunday.

Latest River Heights:
Mooloolah R at Mooloolah *      4.77m rising      12:30 PM SUN 09/01/11
Ewen Maddock Dam #              25.96m rising     01:07 PM SUN 09/01/11
Mooloolah R at Jordan St #      4.3m rising       12:55 PM SUN 09/01/11
Mooloolah R at Palmview #       3.64m rising      12:28 PM SUN 09/01/11
Currumundi Ck at Meridan Way #  1.61m rising      11:13 AM SUN 09/01/11
Mooloolah R U/S Parreara Weir # 0.96m falling     12:58 PM SUN 09/01/11
Mountain Ck at Tanawha #        1.15m falling     12:36 PM SUN 09/01/11
Mooloolaba Tide #               1.67m falling     01:05 PM SUN 09/01/11
Mooloolaba Tide *               1.87m rising      12:50 PM SUN 09/01/11
Golden Beach #                  1.31m rising      12:31 PM SUN 09/01/11
Coochin Ck at Old Gympie Rd #   3.2m falling      01:08 PM SUN 09/01/11
Coochin Ck at Beerwah #         4.4m falling      11:30 AM SUN 09/01/11
Coochin Ck at Mawsons Rd *      3.91m rising      11:40 AM SUN 09/01/11
N Maroochy R at Eumundi #       5.27m rising      01:05 PM SUN 09/01/11
N Maroochy R at Eumundi *       4.94m steady      12:31 PM SUN 09/01/11
Poona Dam #                     152.84m steady    01:07 PM SUN 09/01/11
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S Maroochy R at Kiamba *	2.63m rising	12:20 PM SUN 09/01/11
S Maroochy R at Kiamba #	2.83m rising	01:07 PM SUN 09/01/11
S Maroochy R at Yandina *	2.44m rising	12:30 PM SUN 09/01/11
S Maroochy R at Yandina #	2.68m rising	01:04 PM SUN 09/01/11
Maroochy R at Dunethin Rock #	1.4m rising	12:57 PM SUN 09/01/11
Yandina Ck at Yandina Ck #	4.31m rising	12:58 PM SUN 09/01/11
Doonan Ck at Doonan Creek #	4.15m rising	12:49 PM SUN 09/01/11
Maroochy R at Stoney Wharf Rd #	1.15m rising	12:21 PM SUN 09/01/11
Petrie Ck at West Woombye #	1.25m rising	01:09 PM SUN 09/01/11
Petrie Ck at Warana Br *	3.93m rising	12:20 PM SUN 09/01/11
Petrie Ck at Warana Br #	4.64m rising	01:09 PM SUN 09/01/11
Paynter Ck at Palmwoods Oval #	3.75m rising	12:43 PM SUN 09/01/11
Paynter Ck at Diddillibah#	3.36m rising	12:50 PM SUN 09/01/11
Eudlo Ck at Eudlo #	3.75m rising	01:06 PM SUN 09/01/11
Eudlo Ck at Kiels Mountain *	2.32m rising	12:00 PM SUN 09/01/11
Maroochy R at Picnic Point #	0.68m falling	01:06 PM SUN 09/01/11
Teewah Ck at Coops Corner *	3.93m rising	12:30 PM SUN 09/01/11
L Cootharaba at Boreen Point #	1.13m rising	12:58 PM SUN 09/01/11
L Cootharaba at Boreen Point	1.06m rising fast	12:30 PM SUN 09/01/11
L Cooroibah #	1.23m steady	11:41 AM SUN 09/01/11
Noosa R at Tewantin #	1m falling	12:28 PM SUN 09/01/11
Noosa R at Noosa Bar #	0.9m falling	12:59 PM SUN 09/01/11

*automatic station

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public and satellite phones.

TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 5:20 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

The heavy rainfall recorded during Sunday has resulted in fast river level rises along the Maroochy and Mooloolah Rivers and in Coochin Creek with small rises in the Noosa River catchment. Further rises are likely as heavy rainfall continues.

Rainfalls recorded in the last 3 hours in the Sunshine Coast Rivers and streams have been between 40-70mm with localised totals of above 90mm.

MAROOCHY RIVER:
Major flood levels are rising slowly along the North Maroochy River at Eumundi and in Doonan, Yandina, Petrie, Paynter and Eudlo Creeks. Minor flood levels are easing along the South Maroochy River between Kiamba and Yandina. Further rainfall is forecast during Sunday evening which is expected to produce further rises.

MOOLOOLAH RIVER:
Minor to moderate flood levels are rising between Mooloolah and Jordan Street.

Major flood levels are likely at Jordan Street during Sunday evening.

COOCHIN CREEK:
River level rises causing major flooding are being recorded at Old Gympie Road and minor flood levels are rising downstream at Beerwah.

NOOSA RIVER: Minor flood levels are rising at Lake Cooroibah with rises continuing in Teewah Creek at Coops Corner.

Weather Forecast:
Heavy rainfall continuing.

Next Issue:
The next warning will be issued by 9:30pm Sunday.

Latest River Heights:

Mooloolah R at Mooloolah *	5.05m	rising	03:00 PM SUN 09/01/11
Ewen Maddock Dam #	26.16m	falling	04:20 PM SUN 09/01/11
Mooloolah R at Jordan St #	4.7m	rising	04:22 PM SUN 09/01/11
Mooloolah R at Palmview #	4.04m	rising	04:10 PM SUN 09/01/11
Currumundi Ck at Meridan Way #	1.71m	rising	04:17 PM SUN 09/01/11
Mooloolah R U/S Parreara Weir #	0.56m	falling	04:00 PM SUN 09/01/11
Mountain Ck at Tanawha #	1.45m	rising	04:09 PM SUN 09/01/11
Mooloolaba Tide #	0.92m	falling	04:12 PM SUN 09/01/11
Golden Beach #	1.21m	falling	03:31 PM SUN 09/01/11
Coochin Ck at Old Gympie Rd #	4.15m	rising	04:23 PM SUN 09/01/11
Coochin Ck at Beerwah #	4.75m	rising	04:19 PM SUN 09/01/11
Coochin Ck at Mawsons Rd *	4.59m	steady	03:10 PM SUN 09/01/11
N Maroochy R at Eumundi #	6.42m	rising	04:21 PM SUN 09/01/11
N Maroochy R at Eumundi *	6.24m	rising	03:31 PM SUN 09/01/11
Poona Dam #	152.88m	steady	04:03 PM SUN 09/01/11
S Maroochy R at Kiamba #	3.58m	steady	04:21 PM SUN 09/01/11
S Maroochy R at Yandina #	3.43m	steady	04:19 PM SUN 09/01/11
Maroochy R at Dunethin Rock #	2.75m	rising	04:23 PM SUN 09/01/11
Yandina Ck at Yandina Ck #	5.01m	falling	04:15 PM SUN 09/01/11
Doonan Ck at Doonan Creek #	4.45m	rising	04:11 PM SUN 09/01/11
Maroochy R at Stoney Wharf Rd #	1.15m	steady	02:29 PM SUN 09/01/11
Petrie Ck at West Woombye #	1.4m	falling	04:21 PM SUN 09/01/11
Petrie Ck at Warana Br #	6.59m	rising	04:08 PM SUN 09/01/11
Paynter Ck at Palmwoods Oval #	4.35m	rising	04:08 PM SUN 09/01/11
Paynter Ck at Diddillibah#	3.66m	steady	04:23 PM SUN 09/01/11
Eudlo Ck at Eudlo #	4.35m	rising	04:21 PM SUN 09/01/11
Maroochy R at Picnic Point #	0.48m	steady	04:22 PM SUN 09/01/11
Teewah Ck at Coops Corner *	4.56m	rising	03:20 PM SUN 09/01/11
L Cootharaba at Boreen Point #	1.23m	rising	03:16 PM SUN 09/01/11
L Cooroibah #	1.28m	steady	02:41 PM SUN 09/01/11
Noosa R at Tewantin #	0.9m	falling	03:03 PM SUN 09/01/11
Noosa R at Noosa Bar #	0.45m	falling	04:04 PM SUN 09/01/11

*.# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 9:49 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall has been less than 25 millimetres in the last 3 hours in the catchments of the Maroochy and Mooloolah Rivers. The heaviest rainfalls have been in the catchment of the Noosa River where over 50 millimetres has been recorded in the Boreen point area in the last 3 hours.

Major flood levels are steady in the North Maroochy River at Eumundi and continue to rise in the Mooloolah River at Jordon Street. Most other Sunshine Coast streams are starting to ease with the easing of the rainfall over the last three hours.

Further heavy rainfall and rises are still possible overnight Sunday.

MAROOCHY RIVER:
Major flood levels are steady in the North Maroochy River at Eumundi and minor to moderate flooding is generally easing in Doonan, Yandina, Petrie, Paynter and Eudlo Creeks and in the South Maroochy River between Kiamba and Yandina. Further rainfall is forecast during Sunday night and Monday which could produce further rises.

MOOLOOLAH RIVER:
Moderate to major flood levels are rising between Mooloolah and Jordan Street. Major flood levels will continue at Jordan Street overnight Sunday.

COOCHIN CREEK:
River levels have peaked and moderate flooding is easing in Coochin Creek Old Gympie Road and Beerwah.

NOOSA RIVER: Minor flood levels are expected on the high tides at Lake Cooroibah and Tewantin during Sunday night and Monday. Higher levels are possible but dependent on further heavy rainfall.

Weather Forecast:
Heavy rainfall continuing.

Next Issue:
The next warning will be issued by 12am Monday.

Latest River Heights:

Coochin Ck at Old Gympie Rd #	3.95m steady	09:36 PM SUN 09/01/11
Coochin Ck at Beerwah #	5.9m falling	09:40 PM SUN 09/01/11
Coochin Ck at Mawsons Rd *	7.03m rising	08:40 PM SUN 09/01/11
Mooloolah R at Mooloolah *	5.54m falling	08:30 PM SUN 09/01/11
Ewen Maddock Dam #	26.5m rising	09:37 PM SUN 09/01/11
Mooloolah R at Jordan St #	5.35m steady	08:44 PM SUN 09/01/11
Mooloolah R at Palmview #	4.84m rising	09:34 PM SUN 09/01/11
Currumundi Ck at Meridan Way #	1.96m steady	08:13 PM SUN 09/01/11
Mooloolah R U/S Parreara Weir #	0.76m rising	09:35 PM SUN 09/01/11
Mountain Ck at Tanawha #	1.55m rising	09:29 PM SUN 09/01/11
Mooloolaba Tide #	1.47m rising	09:43 PM SUN 09/01/11

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N Maroochy R at Eumundi #       6.62m falling  09:30 PM SUN 09/01/11
Poona Dam #                     152.82m steady 09:42 PM SUN 09/01/11
S Maroochy R at Kiamba #        2.83m falling  09:37 PM SUN 09/01/11
S Maroochy R at Yandina #       3.03m falling  09:43 PM SUN 09/01/11
Maroochy R at Dunethin Rock #   2.8m falling   09:41 PM SUN 09/01/11
Yandina Ck at Yandina Ck #      5.56m rising   09:29 PM SUN 09/01/11
Doonan Ck at Doonan Creek #     4.45m steady   08:57 PM SUN 09/01/11
Maroochy R at Stoney Wharf Rd # 1.25m steady   08:29 PM SUN 09/01/11
Petrie Ck at West Woombye #     1m falling     09:28 PM SUN 09/01/11
Petrie Ck at Warana Br #        5.49m falling  09:36 PM SUN 09/01/11
Paynter Ck at Palmwoods Oval #  4.55m falling  09:25 PM SUN 09/01/11
Paynter Ck at Diddillibah#      3.86m falling  09:39 PM SUN 09/01/11
Eudlo Ck at Eudlo #             4.3m falling   09:35 PM SUN 09/01/11
Eudlo Ck at Kiels Mountain *    3.05m rising   08:00 PM SUN 09/01/11
Maroochy R at Picnic Point #    0.63m rising   09:23 PM SUN 09/01/11

Teewah Ck at Coops Corner *     5.24m rising   08:58 PM SUN 09/01/11
L Cootharaba at Boreen Point #  1.43m rising   08:27 PM SUN 09/01/11
L Cootharaba at Boreen Point    1.5m rising    09:30 PM SUN 09/01/11
L Cooroibah #                   1.28m steady   08:41 PM SUN 09/01/11
Noosa R at Tewantin #           0.95m rising   09:42 PM SUN 09/01/11
Noosa R at Noosa Bar #          0.8m rising    09:42 PM SUN 09/01/11

*,# from automatic station


Warnings and River Height Bulletins are available at
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public and satellite phones.
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TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 12:08 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has eased in the 3 hours to midnight in the Maroochy, Mooloolah and
Noosa River catchments. Rainfall totals for the period were less than 25
millimetres.

Major flood levels are slowly falling in the North Maroochy River at Eumundi.
Major flood levels are steady in the Mooloolah River at Jordon Street. Most
other Sunshine Coast streams are starting to ease after the easing of the
rainfall over the last three hours.

Further heavy rainfall and rises are still possible overnight Sunday.


MAROOCHY RIVER:
Major flood levels are slowly falling in the North Maroochy River at Eumundi and
minor to moderate flooding is generally easing in Doonan, Yandina, Petrie,
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Paynter and Eudlo Creeks and in the South Maroochy River between Kiamba and Yandina. Further rainfall is forecast during Sunday night and Monday which could produce further rises.

MOOLOOLAH RIVER:
Moderate to major flood levels are steady between Mooloolah and Jordan Street. Major flood levels will continue at Jordan Street overnight Sunday.

COOCHIN CREEK:
River levels have peaked and minor flooding is easing in Coochin Creek between Old Gympie Road and Beerwah.

NOOSA RIVER: Minor flood levels are expected on the high tides at Lake Cooroibah and Tewantin during Sunday night and Monday. Higher levels are possible but dependent on further heavy rainfall.

Weather Forecast:
Heavy rainfall continuing.

Next Issue:
The next warning will be issued by 6am Monday.

Latest River Heights:

Mooloolah R at Mooloolah *	5.31m falling	10:20 PM SUN 09/01/11
Ewen Maddock Dam #	26.52m falling	11:10 PM SUN 09/01/11
Mooloolah R at Jordan St #	5.35m steady	08:44 PM SUN 09/01/11
Mooloolah R at Palmview #	5.04m steady	11:29 PM SUN 09/01/11
Currumundi Ck at Meridan Way #	2.26m rising	11:35 PM SUN 09/01/11
Mooloolah R U/S Parreara Weir #	1.01m rising	11:34 PM SUN 09/01/11
Mountain Ck at Tanawha #	1.5m rising	11:41 PM SUN 09/01/11
Mooloolaba Tide #	1.62m falling	11:43 PM SUN 09/01/11
Golden Beach #	1.21m rising	11:37 PM SUN 09/01/11
N Maroochy R at Eumundi #	6.47m falling	11:32 PM SUN 09/01/11
Poona Dam #	152.81m steady	11:31 PM SUN 09/01/11
S Maroochy R at Kiamba #	2.73m falling	11:25 PM SUN 09/01/11
S Maroochy R at Yandina #	2.88m falling	11:33 PM SUN 09/01/11
Maroochy R at Dunethin Rock #	2.65m falling	11:38 PM SUN 09/01/11
Yandina Ck at Yandina Ck #	5.51m falling	10:56 PM SUN 09/01/11
Doonan Ck at Doonan Creek #	4.45m steady	08:57 PM SUN 09/01/11
Maroochy R at Stoney Wharf Rd #	1.35m steady	11:29 PM SUN 09/01/11
Petrie Ck at West Woombye #	1.05m falling	11:41 PM SUN 09/01/11
Petrie Ck at Warana Br *	5.36m falling	10:20 PM SUN 09/01/11
Petrie Ck at Warana Br #	5.14m falling	11:36 PM SUN 09/01/11
Paynter Ck at Palmwoods Oval #	4.45m falling	11:31 PM SUN 09/01/11
Paynter Ck at Diddillibah#	4.26m rising	11:34 PM SUN 09/01/11
Eudlo Ck at Eudlo #	4.15m falling	11:25 PM SUN 09/01/11
Eudlo Ck at Kiels Mountain *	3.15m rising	10:00 PM SUN 09/01/11
Maroochy R at Picnic Point #	0.83m rising	11:44 PM SUN 09/01/11
Coochin Ck at Old Gympie Rd #	3.55m falling	11:07 PM SUN 09/01/11
Coochin Ck at Beerwah #	5.3m falling	11:10 PM SUN 09/01/11
Coochin Ck at Mawsons Rd *	7.42m falling	11:40 PM SUN 09/01/11
Teewah Ck at Coops Corner *	5.27m steady	10:10 PM SUN 09/01/11
L Cootharaba at Boreen Point #	1.48m rising	10:27 PM SUN 09/01/11
L Cootharaba at Boreen Point	1.5m rising	09:30 PM SUN 09/01/11
L Cooroibah #	1.33m steady	11:41 PM SUN 09/01/11
Noosa R at Tewantin #	1m steady	11:21 PM SUN 09/01/11
Noosa R at Noosa Bar #	0.95m rising	11:43 PM SUN 09/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 6:23 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has eased overnight the Maroochy, Mooloolah and Noosa River catchments.
Rainfall totals for the 6 hour period to 6am are around 30mm generally.

Major flood levels are slowly falling in the North Maroochy River at Eumundi.
Major flood levels are steady in the Mooloolah River at Jordon Street. Most
other Sunshine Coast streams are continuing to ease.

Further heavy rainfall and rises are still possible during Monday.

MAROOCHY RIVER:
Major flood levels are slowly falling in the North Maroochy River at Eumundi and
minor to moderate flooding is generally easing in Doonan, Yandina, Petrie,
Paynter and Eudlo Creeks and in the South Maroochy River between Kiamba and
Yandina. Further rainfall is forecast during Monday which could produce further
rises.

MOOLOOLAH RIVER:
Moderate to major flood levels are steady between Mooloolah and Jordan Street.
Major flood levels will continue at Jordan Street this morning.

COOCHIN CREEK:
River levels have peaked and minor flooding is easing in Coochin Creek between
Old Gympie Road and Beerwah.

NOOSA RIVER:
Minor flood levels are expected on the high tides at Lake Cooroibah and Tewantin
during Monday. Higher levels are possible but dependent on further heavy
rainfall.

Weather Forecast:
Heavy rainfall continuing.

Next Issue:
The next warning will be issued by 3pm Monday.

Latest River Heights:

Mooloolah R at Mooloolah *	4.79m	falling	05:00 AM MON 10/01/11
Ewen Maddock Dam #	26.52m	rising	06:05 AM MON 10/01/11
Mooloolah R at Jordan St #	5.2m	steady	05:44 AM MON 10/01/11
Mooloolah R at Palmview #	4.94m	falling	05:30 AM MON 10/01/11
Currumundi Ck at Meridan Way #	2.76m	falling	05:46 AM MON 10/01/11

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Mooloolah R U/S Parreara Weir # 1.57m rising   05:57 AM MON 10/01/11
Mountain Ck at Tanawha #        1.45m steady   06:13 AM MON 10/01/11
Mooloolaba Tide #               0.97m rising   05:51 AM MON 10/01/11
Mooloolaba Tide *               1.02m rising   05:50 AM MON 10/01/11
Golden Beach #                  1.11m steady   05:25 AM MON 10/01/11
Coochin Ck at Old Gympie Rd #   3.2m falling   06:03 AM MON 10/01/11
Coochin Ck at Beerwah #         4.8m steady    04:25 AM MON 10/01/11
Coochin Ck at Mawsons Rd *      6.14m falling  05:40 AM MON 10/01/11
N Maroochy R at Eumundi #       5.67m falling  06:00 AM MON 10/01/11
Poona Dam #                     152.77m steady 05:40 AM MON 10/01/11
S Maroochy R at Kiamba #        2.23m falling  05:55 AM MON 10/01/11
S Maroochy R at Yandina #       2.33m falling  05:30 AM MON 10/01/11
Maroochy R at Dunethin Rock #   2.1m falling   06:10 AM MON 10/01/11
Yandina Ck at Yandina Ck #      5.31m falling  06:13 AM MON 10/01/11
Doonan Ck at Doonan Creek #     4.35m falling  05:57 AM MON 10/01/11
Maroochy R at Stoney Wharf Rd # 1.45m steady   05:29 AM MON 10/01/11
Petrie Ck at West Woombye #     0.85m falling  05:58 AM MON 10/01/11
Petrie Ck at Warana Br *        3.91m falling  03:30 AM MON 10/01/11
Petrie Ck at Warana Br #        3.84m steady   06:12 AM MON 10/01/11
Paynter Ck at Palmwoods Oval #  4.2m falling   05:53 AM MON 10/01/11
Paynter Ck at Diddillibah#      3.96m falling  04:33 AM MON 10/01/11
Eudlo Ck at Eudlo #             3.7m falling   05:17 AM MON 10/01/11
Eudlo Ck at Kiels Mountain *    3.15m steady   05:00 AM MON 10/01/11
Maroochy R at Picnic Point #    0.68m steady   04:22 AM MON 10/01/11
Teewah Ck at Coops Corner *     5.12m rising   05:00 AM MON 10/01/11
L Cootharaba at Boreen Point #  1.68m rising   06:12 AM MON 10/01/11
L Cootharaba at Boreen Point    1.5m rising    09:30 PM SUN 09/01/11
L Cooroibah #                   1.38m steady   05:41 AM MON 10/01/11
Noosa R at Tewantin #           0.95m steady   05:21 AM MON 10/01/11
Noosa R at Noosa Bar #          0.55m rising   06:03 AM MON 10/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 3:26 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Widespread minor to moderate flood levels are falling slowly throughout the
Sunshine Coast Rivers and Streams. Further rainfall causing renewed rises is
possible during the next 24 hours.


MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:
Minor to moderate flood levels have peaked and are easing throughout the region.
Further rainfall causing renewed rises is possible during the next 24 hours.
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NOOSA RIVER:
Minor to moderate flood levels are currently being recorded on the high tides at Lake Cooroibah and Tewantin. Higher levels are possible but dependent on further heavy rainfall.

Weather Forecast:
Rain, heavy at times. Local thunder.

Next Issue:
The next warning will be issued by about 8pm Monday.

Latest River Heights:

Mooloolah R at Mooloolah *	4.72m	falling	01:30 PM MON 10/01/11
Ewen Maddock Dam #	26.42m	falling	02:09 PM MON 10/01/11
Mooloolah R at Jordan St #	5.1m	falling	01:52 PM MON 10/01/11
Mooloolah R at Palmview #	4.84m	rising	01:27 PM MON 10/01/11
Currumundi Ck at Meridan Way #	2.31m	falling	02:21 PM MON 10/01/11
Mooloolah R U/S Parreara Weir #	1.82m	falling	02:21 PM MON 10/01/11
Mountain Ck at Tanawha #	1.15m	falling	02:02 PM MON 10/01/11
Mooloolaba Tide #	1.52m	falling	02:12 PM MON 10/01/11
Golden Beach #	1.31m	steady	02:25 PM MON 10/01/11
Coochin Ck at Old Gympie Rd #	2.7m	falling	01:38 PM MON 10/01/11
Coochin Ck at Beerwah #	3.7m	falling	02:23 PM MON 10/01/11
Coochin Ck at Mawsons Rd *	5.08m	falling	11:40 AM MON 10/01/11
N Maroochy R at Eumundi #	5.02m	falling	02:24 PM MON 10/01/11
N Maroochy R at Eumundi *	5.14m	falling	01:19 PM MON 10/01/11
Poona Dam #	152.79m	steady	02:23 PM MON 10/01/11
S Maroochy R at Kiamba #	2.48m	falling	02:05 PM MON 10/01/11
S Maroochy R at Yandina #	2.63m	falling	02:21 PM MON 10/01/11
Maroochy R at Dunethin Rock #	2.3m	steady	02:24 PM MON 10/01/11
Yandina Ck at Yandina Ck #	5.36m	steady	01:43 PM MON 10/01/11
Doonan Ck at Doonan Creek #	4.35m	falling	01:21 PM MON 10/01/11
Maroochy R at Stoney Wharf Rd #	1.6m	rising	12:20 PM MON 10/01/11
Petrie Ck at West Woombye #	0.6m	steady	02:13 PM MON 10/01/11
Petrie Ck at Warana Br #	4.54m	falling	02:26 PM MON 10/01/11
Paynter Ck at Palmwoods Oval #	4.35m	falling	01:49 PM MON 10/01/11
Paynter Ck at Diddillibah#	4.01m	falling	12:39 PM MON 10/01/11
Eudlo Ck at Eudlo #	4m	rising	10:20 AM MON 10/01/11
Eudlo Ck at Kiels Mountain *	3.1m	steady	01:00 PM MON 10/01/11
Maroochy R at Picnic Point #	0.88m	falling	01:42 PM MON 10/01/11
Teewah Ck at Coops Corner *	4.63m	falling	01:00 PM MON 10/01/11
L Cootharaba at Boreen Point #	1.73m	rising	01:52 PM MON 10/01/11
L Cooroibah #	1.53m	rising	12:12 PM MON 10/01/11
Noosa R at Tewantin #	1.15m	steady	02:21 PM MON 10/01/11
Noosa R at Noosa Bar #	0.8m	falling	02:17 PM MON 10/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 8:15 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are falling slowly throughout the Sunshine Coast Rivers and Streams. Further rainfall causing renewed rises is possible during the next 24 hours.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:
Minor to moderate flood levels have peaked and are easing throughout the region. Further rainfall causing renewed rises is possible during the next 24 hours.

NOOSA RIVER:
Minor to moderate flood levels are currently being recorded on the high tides at Lake Cooroibah and Tewantin. Higher levels are possible but dependent on further heavy rainfall.

Weather Forecast:
Rain areas and local thunder. Moderate to locally heavy falls.

Next Issue:
The next warning will be issued by about 10am Tuesday.

Latest River Heights:

Mooloolah R at Mooloolah #	3.98m falling	07:35 PM MON 10/01/11
Ewen Maddock Dam #	26.28m steady	07:27 PM MON 10/01/11
Mooloolah R at Jordan St #	5.05m falling	07:42 PM MON 10/01/11
Mooloolah R at Palmview #	4.64m falling	07:01 PM MON 10/01/11
Currumundi Ck at Meridan Way #	2.11m falling	06:55 PM MON 10/01/11
Mooloolah R U/S Parreara Weir #	1.57m falling	07:26 PM MON 10/01/11
Mountain Ck at Tanawha #	0.85m falling	06:58 PM MON 10/01/11
Mooloolaba Tide #	0.92m rising	07:43 PM MON 10/01/11
Mooloolaba Tide *	0.88m steady	06:50 PM MON 10/01/11
Golden Beach #	0.91m falling	07:31 PM MON 10/01/11
Coochin Ck at Old Gympie Rd #	1.9m falling	06:57 PM MON 10/01/11
Coochin Ck at Beerwah #	2.45m falling	07:15 PM MON 10/01/11
Coochin Ck at Mawsons Rd *	4.02m falling	05:40 PM MON 10/01/11
N Maroochy R at Eumundi #	4.42m falling	07:39 PM MON 10/01/11
Poona Dam #	152.75m steady	07:30 PM MON 10/01/11
S Maroochy R at Kiamba #	1.93m falling	06:46 PM MON 10/01/11
S Maroochy R at Yandina #	2.13m falling	07:18 PM MON 10/01/11
Maroochy R at Dunethin Rock #	2m falling	06:33 PM MON 10/01/11
Yandina Ck at Yandina Ck #	5.21m steady	07:43 PM MON 10/01/11
Doonan Ck at Doonan Creek #	4.3m falling	05:57 PM MON 10/01/11
Maroochy R at Stoney Wharf Rd #	1.55m falling	05:34 PM MON 10/01/11
Petrie Ck at West Woombye #	0.35m falling	07:30 PM MON 10/01/11
Petrie Ck at Warana Br #	2.54m falling	07:27 PM MON 10/01/11
Paynter Ck at Palmwoods Oval #	3.75m falling	07:35 PM MON 10/01/11
Paynter Ck at Diddillibah#	3.96m steady	07:23 PM MON 10/01/11
Eudlo Ck at Eudlo #	4m rising	10:20 AM MON 10/01/11
Eudlo Ck at Kiels Mountain *	3.03m falling	06:00 PM MON 10/01/11
Maroochy R at Picnic Point #	0.63m steady	07:22 PM MON 10/01/11

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Teewah Ck at Coops Corner *     3.82m falling   06:00 PM MON 10/01/11
L Cootharaba at Boreen Point #  1.83m rising    07:28 PM MON 10/01/11
L Cooroibah #                   1.53m steady    05:41 PM MON 10/01/11
Noosa R at Tewantin #           1.05m steady    05:21 PM MON 10/01/11
Noosa R at Noosa Bar #          0.5m falling    07:34 PM MON 10/01/11

*,# from automatic station


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TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
Issued at 6:07 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Renewed rises with the continuing heavy rainfall is causing minor to moderate
flooding throughout the Sunshine Coast Rivers and Streams. Rainfall totals of
between 20-50mm have been recorded in the previous 6 hours to 6am Tuesday, with
further moderate to heavy rainfall to continue during Tuesday.


MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:
Renewed rises are occurring in the Sunshine Coast streams during Tuesday
morning, with minor to moderate flooding continuing throughout the region. Major
flood levels remain steady in the Mooloolah River at Jordan St. Further rainfall
causing renewed rises are possible during Tuesday.

NOOSA RIVER:
Minor to moderate flooding is occurring between Boreen Point and Lake Cooroibah,
with minor flood levels currently occurring on the high tides at Tewantin.
Higher levels are possible but dependent on further heavy rainfall.

Weather Forecast:
Rain areas and isolated thunderstorms, gradually easing later in the day.
Moderate to locally heavy falls possible.

Next Issue:
The next warning will be issued by about 2pm Tuesday.

Latest River Heights:
Mooloolah R at Mooloolah #      3.85m falling      05:45 AM TUE 11/01/11
Mooloolah R at Jordan St #      5.05m steady       05:44 AM TUE 11/01/11
Mooloolah R at Palmview #       4.54m rising       05:28 AM TUE 11/01/11
Currumundi Ck at Meridan Way #  1.96m falling      02:29 AM TUE 11/01/11
Mooloolah R U/S Parreara Weir # 1.41m falling      04:13 AM TUE 11/01/11
Mountain Ck at Tanawha #        0.9m falling       04:36 AM TUE 11/01/11
Mooloolaba Tide #               0.97m falling      05:49 AM TUE 11/01/11
Golden Beach #                  0.81m falling      05:43 AM TUE 11/01/11
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Coochin Ck at Old Gympie Rd #	2.15m rising	05:40 AM TUE 11/01/11
Coochin Ck at Beerwah #	2.75m rising	05:35 AM TUE 11/01/11
Coochin Ck at Mawsons Rd *	2.46m rising	05:30 AM TUE 11/01/11
N Maroochy R at Eumundi #	2.47m steady	05:11 AM TUE 11/01/11
S Maroochy R at Kiamba #	2.48m rising	05:44 AM TUE 11/01/11
S Maroochy R at Yandina #	2.38m rising	05:43 AM TUE 11/01/11
Maroochy R at Dunethin Rock #	1.8m rising	05:39 AM TUE 11/01/11
Yandina Ck at Yandina Ck #	4.96m falling	05:27 AM TUE 11/01/11
Doonan Ck at Doonan Creek #	4.15m rising	04:36 AM TUE 11/01/11
Maroochy R at Stoney Wharf Rd #	1.4m steady	05:29 AM TUE 11/01/11
Petrie Ck at West Woombye #	1.65m falling	05:49 AM TUE 11/01/11
Petrie Ck at Warana Br #	5.14m rising	05:46 AM TUE 11/01/11
Paynter Ck at Palmwoods Oval #	3.65m rising	05:43 AM TUE 11/01/11
Paynter Ck at Diddillibah#	3.71m falling	05:19 AM TUE 11/01/11
Eudlo Ck at Eudlo #	4m rising	10:20 AM MON 10/01/11
Eudlo Ck at Kiels Mountain *	2.96m steady	04:00 AM TUE 11/01/11
Maroochy R at Picnic Point #	0.53m falling	04:43 AM TUE 11/01/11
Teewah Ck at Coops Corner *	2.98m falling	04:25 AM TUE 11/01/11
L Cootharaba at Boreen Point	1.8m rising slowly	06:00 PM MON 10/01/11
L Cooroibah #	1.53m steady	05:41 AM TUE 11/01/11
Noosa R at Tewantin #	1.05m steady	05:21 AM TUE 11/01/11
Noosa R at Noosa Bar #	0.55m rising	05:46 AM TUE 11/01/11

*,# denotes automatic station.

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TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE SUNSHINE COAST AND ADJACENT COASTAL RIVERS AND STREAMS
Issued at 9:58 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Fast stream rises are occurring with the heavy rainfall across the Sunshine
Coast and adjacent coastal rivers and streams during Tuesday morning. Heavy
rainfall totals in excess of 80-100mm have been recorded in the 1-hour to 10am
Tuesday. Widespread minor to moderate flooding is occurring, and localised major
flooding in the Mooloolah River. Further rises and moderate to major flooding is
likely during Tuesday.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:
Stream rises are occurring in the Sunshine Coast streams during Tuesday morning,
with minor to moderate flooding continuing throughout the region. Major flood
levels remain steady in the Mooloolah River at Jordan St. Further rainfall
causing renewed rises are possible during Tuesday.

NOOSA RIVER:
Minor to moderate flooding is occurring between Boreen Point and Lake Cooroibah,
with minor flood levels currently occurring on the high tides at Tewantin.

Higher levels are possible but dependent on further heavy rainfall.

PINE AND CABOOLTURE RIVERS:
Very heavy rainfall during Tuesday morning has resulted in fast river rises and moderate to major flooding along the Caboolture River. At 9:50am Tuesday, the river level at Caboolture was 9.34 metres and rising with moderate flooding.

Fast rises are occurring in Baxters and Kobble Creeks with high inflows into North Pine Dam. River rises are occurring in the North and South Pine Rivers, with minor flooding occurring at Youngs Crossing. Further rises are likely as the heavy rainfall continues during Tuesday morning.

Weather Forecast:
Rain areas and isolated thunderstorms, gradually easing later in the day. Moderate to locally heavy falls possible.

Next Issue:
The next warning will be issued by about 2pm Tuesday.

Latest River Heights:

Mooloolah R at Mooloolah *	4.47m rising	08:30 AM TUE 11/01/11
Ewen Maddock Dam #	26.4m falling	09:39 AM TUE 11/01/11
Mooloolah R at Jordan St #	5.15m rising	09:52 AM TUE 11/01/11
Mooloolah R at Palmview #	4.89m rising	09:31 AM TUE 11/01/11
Currumundi Ck at Meridan Way #	2.11m steady	08:13 AM TUE 11/01/11
Mooloolah R U/S Parreara Weir #	1.47m rising	09:13 AM TUE 11/01/11
Mountain Ck at Tanawha #	1.85m falling	09:53 AM TUE 11/01/11
Mooloolaba Tide #	1.52m rising	09:54 AM TUE 11/01/11
Golden Beach #	0.91m rising	09:36 AM TUE 11/01/11
Coochin Ck at Old Gympie Rd #	4.35m rising	09:46 AM TUE 11/01/11
Coochin Ck at Beerwah #	5.45m rising	09:52 AM TUE 11/01/11
Coochin Ck at Mawsons Rd *	4.08m rising	08:20 AM TUE 11/01/11
N Maroochy R at Eumundi #	2.47m rising	09:39 AM TUE 11/01/11
N Maroochy R at Eumundi *	2.38m steady	08:19 AM TUE 11/01/11
S Maroochy R at Kiamba #	2.48m rising	09:37 AM TUE 11/01/11
S Maroochy R at Yandina #	2.53m rising	08:21 AM TUE 11/01/11
Maroochy R at Dunethin Rock #	1.95m rising	09:55 AM TUE 11/01/11
Yandina Ck at Yandina Ck #	5.01m rising	09:04 AM TUE 11/01/11
Doonan Ck at Doonan Creek #	4.2m rising	09:45 AM TUE 11/01/11
Maroochy R at Stoney Wharf Rd #	1.4m rising	07:22 AM TUE 11/01/11
Petrie Ck at West Woombye #	1.15m rising	09:55 AM TUE 11/01/11
Petrie Ck at Warana Br #	5.64m rising	09:56 AM TUE 11/01/11
Paynter Ck at Palmwoods Oval #	4.5m rising	09:48 AM TUE 11/01/11
Paynter Ck at Diddillibah#	3.81m rising	09:29 AM TUE 11/01/11
Eudlo Ck at Eudlo #	4m rising	10:20 AM MON 10/01/11
Eudlo Ck at Kiels Mountain *	3.01m rising	08:00 AM TUE 11/01/11
Maroochy R at Picnic Point #	0.73m rising	09:39 AM TUE 11/01/11
Teewah Ck at Coops Corner *	2.85m steady	08:00 AM TUE 11/01/11
L Cootharaba at Boreen Point	1.8m rising slowly	08:15 AM TUE 11/01/11
L Cooroibah #	1.53m steady	08:41 AM TUE 11/01/11
Noosa R at Tewantin #	1.05m rising	09:50 AM TUE 11/01/11
Noosa R at Noosa Bar #	0.75m rising	09:54 AM TUE 11/01/11

*,# denotes automatic station.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CABOOLTURE RIVER AND THE COASTAL RIVERS AND ADJACENT SUNSHINE COAST STREAMS
Issued at 11:24 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall continues to fall in the Caboolture and Pine River catchments with river levels similar to those experienced during the 1974 flood. Extreme rises and major flooding is occurring along the Caboolture River and in Burpengary Creek. Widespread minor to moderate flooding is occurring across the Sunshine Coast rivers and streams, with moderate to major flood levels rising along Coochin Creek. Further rises and higher levels are possible during Tuesday with the continued very heavy rainfall.

PINE AND CABOOLTURE RIVERS: Very heavy rainfall during Tuesday morning has resulted in extreme river rises and widespread major flooding along the Caboolture River and in Burpengary Creek. At 11:15am Tuesday, the river level at Caboolture was 10.44 metres and rising with major flooding. Fast rises are occurring in Baxters and Kobble Creeks with high inflows into North Pine Dam. River rises are occurring in the North and South Pine Rivers, with minor to moderate flooding occurring at Drapers and Youngs Crossings. Further rises are likely as the heavy rainfall continues during Tuesday morning.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:
Fast rises are moderate to moderate flooding is occurring in Coochin Creek. Stream rises are also occurring across the Sunshine Coast streams during Tuesday morning, with minor to moderate flooding continuing throughout the region. Moderate to major flooding is rising along the Mooloolah River.

NOOSA RIVER:
Minor to moderate flooding continues between Boreen Point and Lake Cooroibah, with minor flood levels currently occurring on the high tides at Tewantin. Higher levels are possible but dependent on further heavy rainfall.

Weather Forecast:
Rain areas and isolated thunderstorms, gradually easing later in the day. Moderate to locally heavy falls possible.

Next Issue:
The next warning will be issued by about 2pm Tuesday.

Latest River Heights:

Mooloolah R at Mooloolah #	5.39m rising	10:29 AM TUE 11/01/11
Ewen Maddock Dam #	26.46m rising	10:51 AM TUE 11/01/11
Mooloolah R at Jordan St #	5.2m rising	11:05 AM TUE 11/01/11
Mooloolah R at Palmview #	4.94m rising	10:17 AM TUE 11/01/11
Currumundi Ck at Meridan Way #	2.11m steady	08:13 AM TUE 11/01/11
Mooloolah R U/S Parreara Weir #	1.57m rising	11:03 AM TUE 11/01/11
Mountain Ck at Tanawha #	1.8m falling	10:51 AM TUE 11/01/11

Mooloolaba Tide #	1.67m steady	10:59 AM TUE 11/01/11
Golden Beach #	1.06m rising	10:48 AM TUE 11/01/11
Coochin Ck at Old Gympie Rd #	4.55m rising	10:22 AM TUE 11/01/11
Coochin Ck at Beerwah #	6.1m rising	11:03 AM TUE 11/01/11
Coochin Ck at Mawsons Rd *	4.55m rising	09:00 AM TUE 11/01/11
N Maroochy R at Eumundi #	3.17m rising	11:03 AM TUE 11/01/11
S Maroochy R at Kiamba #	3.28m rising	11:03 AM TUE 11/01/11
S Maroochy R at Yandina #	2.88m rising	11:04 AM TUE 11/01/11
Maroochy R at Dunethin Rock #	2m rising	10:46 AM TUE 11/01/11
Yandina Ck at Yandina Ck #	5.06m steady	10:43 AM TUE 11/01/11
Doonan Ck at Doonan Creek #	4.2m rising	09:45 AM TUE 11/01/11
Maroochy R at Stoney Wharf Rd #	1.5m rising	10:51 AM TUE 11/01/11
Petrie Ck at West Woombye #	3.05m rising	11:04 AM TUE 11/01/11
Petrie Ck at Warana Br #	6.19m rising	11:00 AM TUE 11/01/11
Paynter Ck at Palmwoods Oval #	4.6m steady	10:46 AM TUE 11/01/11
Paynter Ck at Diddillibah#	3.91m rising	10:53 AM TUE 11/01/11
Eudlo Ck at Kiels Mountain *	3.03m rising	09:00 AM TUE 11/01/11
Maroochy R at Picnic Point #	0.83m rising	10:48 AM TUE 11/01/11
Teewah Ck at Coops Corner *	2.82m falling	09:00 AM TUE 11/01/11
L Cootharaba at Boreen Point #	1.83m steady	10:15 AM TUE 11/01/11
L Cooroibah #	1.53m steady	08:41 AM TUE 11/01/11
Noosa R at Tewantin #	1.1m rising	10:53 AM TUE 11/01/11
Noosa R at Noosa Bar #	0.85m falling	10:55 AM TUE 11/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM613

IDQ20795

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CABOOLTURE RIVER AND THE COASTAL RIVERS AND ADJACENT
SUNSHINE COAST STREAMS
Issued at 2:09 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

The continuing heavy rainfall has shifted into the hinterland areas of the
Sunshine Coast, which is causing fast stream rises and minor to moderate
flooding across the upper Maroochy catchment. Moderate to major flooding
continues in Paynter Creek and in the Mooloolah River, whilst moderate flood
levels have commenced to ease along Coochin Creek. Major flooding has commenced
to peak in the Caboolture River and in Burpengary Creek, whilst major flooding
continues in the North and South Pine Rivers.

Further rises and higher levels are possible during Tuesday with the continued
very heavy rainfall.

PINE AND CABOOLTURE RIVERS:

Major flooding in the upper Caboolture River has peaked and is currently falling. Major flooding continues at Caboolture, where at 1:40pm Tuesday the river level was 10.79 metres and near a peak. Major flooding is similarly slowly approaching a peak in Burpengary Creek.

Stream levels are currently easing in Baxters and Kobble Creeks, with major flooding continuing to rise in the South Pine River at Drapers Crossing and in the North Pine River at Youngs Crossing.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:

The continuing heavy rainfall has moved into the hinterland areas of the Sunshine Coast, and is causing fast stream rises and minor to moderate flooding in the numerous small creeks and in the North and South Maroochy Rivers, and major flooding in Paynter Creek. Moderate to major flooding continues along the Mooloolah River. Moderate flood levels have commenced to ease in Coochin Creek following easing of the heavy rainfall.

NOOSA RIVER:

Minor to moderate flooding continues between Boreen Point and Lake Cooroibah. Minor flooding is also occurring at Tewantin, where river levels are reaching higher levels with the high tides.

Weather Forecast:
Rain areas and isolated thunderstorms. Some moderate to locally heavy falls.

Next Issue:
The next warning will be issued by about 5:30pm Tuesday.

Latest River Heights:

Mooloolah R at Mooloolah #	5.59m rising	01:12 PM TUE 11/01/11
Mooloolah R at Jordan St #	5.25m rising	01:39 PM TUE 11/01/11
Mooloolah R at Palmview #	4.94m steady	11:29 AM TUE 11/01/11
Currumundi Ck at Meridan Way #	2.16m rising	01:26 PM TUE 11/01/11
Mooloolah R U/S Parreara Weir #	1.76m rising	01:25 PM TUE 11/01/11
Mountain Ck at Tanawha #	1.6m falling	01:02 PM TUE 11/01/11
Mooloolaba Tide #	1.62m steady	01:59 PM TUE 11/01/11
Golden Beach #	1.26m rising	01:18 PM TUE 11/01/11
Coochin Ck at Old Gympie Rd #	4.3m falling	01:13 PM TUE 11/01/11
Coochin Ck at Beerwah #	6.05m falling	01:39 PM TUE 11/01/11
Coochin Ck at Mawsons Rd *	6.72m rising	11:30 AM TUE 11/01/11
N Maroochy R at Eumundi #	4.97m rising	02:01 PM TUE 11/01/11
S Maroochy R at Kiamba #	4.08m falling	01:56 PM TUE 11/01/11
S Maroochy R at Yandina #	3.83m steady	02:01 PM TUE 11/01/11
Maroochy R at Dunethin Rock #	2.55m rising	01:54 PM TUE 11/01/11
Yandina Ck at Yandina Ck #	5.26m rising	02:02 PM TUE 11/01/11
Doonan Ck at Doonan Creek #	4.3m rising	12:12 PM TUE 11/01/11
Maroochy R at Stoney Wharf Rd #	1.65m rising	01:59 PM TUE 11/01/11
Petrie Ck at West Woombye #	2.6m falling	02:00 PM TUE 11/01/11
Petrie Ck at Warana Br #	7.44m rising	01:34 PM TUE 11/01/11
Paynter Ck at Palmwoods Oval #	5m steady	01:46 PM TUE 11/01/11
Paynter Ck at Diddillibah#	4.11m rising	01:39 PM TUE 11/01/11
Eudlo Ck at Kiels Mountain *	3.1m rising	11:00 AM TUE 11/01/11
Maroochy R at Picnic Point #	0.93m steady	01:22 PM TUE 11/01/11
Teewah Ck at Coops Corner *	2.77m steady	12:00 PM TUE 11/01/11
L Cootharaba at Boreen Point	1.78m falling slowly	12:00 PM TUE 11/01/11
L Cooroibah #	1.58m rising	01:06 PM TUE 11/01/11
Noosa R at Tewantin #	1.15m rising	12:13 PM TUE 11/01/11
Noosa R at Noosa Bar #	0.85m rising	02:01 PM TUE 11/01/11

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IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
Issued at 6:19 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall of over 60 millimetres has been recorded in the catchment of the Noosa River during the last hour. Moderate flood levels are possible at Tewantin with tonight's high tide.

Major flooding has peaked in the Caboolture River and in Burpengary Creek and is nearing a peak in the lower Pine River.

The coastal streams from Noosa to the Pine Rivers area are responding quickly to intense rainfall and further rises are possible during Tuesday night with the forecast of further heavy rainfall.

PINE AND CABOOLTURE RIVERS:

Major flooding has peaked in the Caboolture River at Caboolture where the level at 6pm was 9.7 metres and falling. Major flooding is also falling quickly in Burpengary Creek.

Major flooding continuing to fall in the South Pine River at Drapers Crossing and major levels are nearing a peak in the North Pine River at Youngs Crossing and furhter downstream in the Pine River at Murrumba Downs.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:

Stream rises and minor to moderate flooding continue in the North and South Maroochy Rivers and tributary streams. Moderate to major flooding continues along the Mooloolah River. Moderate flood levels have commenced to ease in Coochin Creek following the easing of the heavy rainfall.

NOOSA RIVER:

Minor to moderate flooding continues between Boreen Point and Lake Cooroibah. Moderate flood levels are possible at Tewantin during Tuesday night coincident with high tide. Higher levels are possible if the heavy rainfall continues.

Weather Forecast:
Rain areas and isolated thunderstorms. Some moderate to locally heavy falls.

Next Issue:
The next warning will be issued by about 9am Wednesday or earlier if required.

Latest River Heights:

Mooloolah R at Mooloolah #	5.59m steady	01:12 PM TUE 11/01/11
Ewen Maddock Dam #	26.58m falling	05:21 PM TUE 11/01/11
Mooloolah R at Jordan St #	5.3m falling	04:59 PM TUE 11/01/11
Mooloolah R at Palmview #	4.94m steady	05:29 PM TUE 11/01/11
Currumundi Ck at Meridan Way #	2.41m rising	05:30 PM TUE 11/01/11
Mooloolah R U/S Parreara Weir #	1.87m rising	05:21 PM TUE 11/01/11
Mountain Ck at Tanawha #	1.55m falling	05:41 PM TUE 11/01/11
Coochin Ck at Old Gympie Rd #	3.55m falling	05:03 PM TUE 11/01/11
Coochin Ck at Beerwah #	5.1m falling	05:29 PM TUE 11/01/11
Coochin Ck at Mawsons Rd *	7.36m falling	05:30 PM TUE 11/01/11
N Maroochy R at Eumundi #	5.42m rising	05:37 PM TUE 11/01/11
S Maroochy R at Kiamba #	2.93m falling	05:32 PM TUE 11/01/11
S Maroochy R at Yandina #	3.13m falling	05:26 PM TUE 11/01/11
Maroochy R at Dunethin Rock #	2.75m steady	05:24 PM TUE 11/01/11
Yandina Ck at Yandina Ck #	5.36m rising	05:34 PM TUE 11/01/11
Doonan Ck at Doonan Creek #	4.4m rising	04:55 PM TUE 11/01/11
Maroochy R at Stoney Wharf Rd #	1.75m steady	05:29 PM TUE 11/01/11
Petrie Ck at West Woombye #	1.45m falling	05:36 PM TUE 11/01/11
Petrie Ck at Warana Br *	6.8m falling	04:10 PM TUE 11/01/11
Petrie Ck at Warana Br #	5.74m falling	05:40 PM TUE 11/01/11
Paynter Ck at Palmwoods Oval #	4.55m falling	05:23 PM TUE 11/01/11
Paynter Ck at Diddillibah#	4.36m falling	05:38 PM TUE 11/01/11
Eudlo Ck at Kiels Mountain *	3.2m steady	04:00 PM TUE 11/01/11
Maroochy R at Picnic Point #	0.98m rising	05:44 PM TUE 11/01/11
Teewah Ck at Coops Corner *	3.12m rising	04:00 PM TUE 11/01/11
L Cootharaba at Boreen Point	1.82m rising slowly	05:30 PM TUE 11/01/11
L Cooroibah #	1.63m steady	05:41 PM TUE 11/01/11
Noosa R at Tewantin #	1.15m rising	05:34 PM TUE 11/01/11

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IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
Issued at 8:04 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

The heavy rainfall has eased overnight to scattered showers, and the stream
levels are easing across the Sunshine Coast and Caboolture and Pine River
catchments.

Minor to moderate flooding continues to ease across the Sunshine Coast, although major flood levels remain high in the Mooloolah River at Jordan St. Minor flooding is easing in the North Pine River at Youngs Crossing.

PINE AND CABOOLTURE RIVERS:

River levels have fallen away below minor flood level along the Caboolture River and Burpengary Creek. Rivers levels have similarly fallen away below minor in the South Pine River, with some minor flooding easing in the North Pine River at Youngs Crossing.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:

Stream rises are generally easing across the Sunshine Coast with minor to moderate flooding easing in Eudlo, Doonan and Paynter Creeks. Minor to moderate flooding also continues to ease in the North Maroochy River. Minor to moderate flooding continues to slowly ease along the Mooloolah River, however major flood levels remain high at Jordan St but are easing very slowly. River levels have eased below minor along Coochin Creek.

NOOSA RIVER:

Minor to moderate flooding continues between Boreen Point and Lake Cooroibah. Minor flood levels are generally easing at Tewantin during Wednesday, however higher levels are coincident with the high tide.

Weather Forecast:
Scattered showers along the coast, tending isolated inland.

Next Issue:
The next warning will be issued at about 4pm Wednesday.

Latest River Heights:

Mooloolah R at Mooloolah #	5.6m steady	06:48 PM TUE 11/01/11
Ewen Maddock Dam #	26.26m steady	07:27 AM WED 12/01/11
Mooloolah R at Jordan St #	5.05m falling	08:01 AM WED 12/01/11
Mooloolah R at Palmview #	4.64m falling	07:18 AM WED 12/01/11
Currumundi Ck at Meridan Way #	2.26m falling	07:30 AM WED 12/01/11
Mooloolah R U/S Parreara Weir #	1.66m falling	07:42 AM WED 12/01/11
Mountain Ck at Tanawha #	0.75m falling	07:32 AM WED 12/01/11
Mooloolaba Tide #	1.02m steady	07:59 AM WED 12/01/11
Golden Beach #	0.71m falling	08:01 AM WED 12/01/11
Coochin Ck at Old Gympie Rd #	1.7m rising	07:01 AM WED 12/01/11
Coochin Ck at Beerwah #	2.15m falling	07:22 AM WED 12/01/11
Coochin Ck at Mawsons Rd *	3.38m falling	05:50 AM WED 12/01/11
N Maroochy R at Eumundi #	4.62m falling	07:54 AM WED 12/01/11
S Maroochy R at Kiamba #	1.68m falling	07:45 AM WED 12/01/11
S Maroochy R at Yandina #	1.93m steady	07:19 AM WED 12/01/11
Maroochy R at Dunethin Rock #	2.25m steady	02:24 AM WED 12/01/11
Yandina Ck at Yandina Ck #	5.16m falling	08:00 AM WED 12/01/11
Doonan Ck at Doonan Creek #	4.25m falling	07:39 AM WED 12/01/11
Maroochy R at Stoney Wharf Rd #	1.7m falling	06:55 AM WED 12/01/11
Petrie Ck at West Woombye #	0.45m falling	06:40 AM WED 12/01/11
Petrie Ck at Warana Br #	2.14m falling	07:20 AM WED 12/01/11
Paynter Ck at Palmwoods Oval #	2.75m falling	07:59 AM WED 12/01/11
Paynter Ck at Diddillibah#	3.76m falling	07:23 AM WED 12/01/11
Eudlo Ck at Eudlo #	NA	
Eudlo Ck at Kiels Mountain *	3.05m falling	05:00 AM WED 12/01/11

Maroochy R at Picnic Point #	0.73m steady	07:22 AM WED 12/01/11
Teewah Ck at Coops Corner *	3.94m falling	06:00 AM WED 12/01/11
L Cootharaba at Boreen Point #	1.83m steady	07:15 AM WED 12/01/11
L Cooroibah #	1.53m falling	06:42 AM WED 12/01/11
Noosa R at Tewantin #	1m falling	07:06 AM WED 12/01/11
Noosa R at Noosa Bar #	0.5m rising	07:46 AM WED 12/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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IDQ20795

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
Issued at 4:28 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has eased on the Sunshine Coasts, and stream levels are easing across
the Sunshine Coast and Caboolture and Pine River catchments.

Minor to moderate flooding continues to ease across the Sunshine Coast, although
major flood levels remain high in the Mooloolah River at Jordan St. Minor
flooding is easing in the North Pine River at Youngs Crossing.

PINE AND CABOOLTURE RIVERS:

River levels have fallen away below minor flood level along the Caboolture,
North Pine and South Pine Rivers and Burpengary Creek.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:

Minor to moderate flooding is continuing to ease in the Sunshine Coast Creeks
and Streams.

NOOSA RIVER:

Minor flooding continues between Boreen Point and Lake Cooroibah, although
levels are continuing to fall. Minor flood levels are generally easing at
Tewantin during Wednesday, however higher levels are coincident with the high
tide.

Weather Forecast:
Scattered showers along the coast, tending isolated inland.

Next Issue:
The next warning will be issued at about 10am Thursday.

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Latest River Heights:
Mooloolah R at Mooloolah #      2.64m falling       03:48 PM WED 12/01/11
Ewen Maddock Dam #              26.12m falling      03:06 PM WED 12/01/11
Mooloolah R at Jordan St #      4.95m rising        04:14 PM WED 12/01/11
Mooloolah R at Palmview #       4.34m falling       04:13 PM WED 12/01/11
Currumundi Ck at Meridan Way #  1.91m falling       02:46 PM WED 12/01/11
Mooloolah R U/S Parreara Weir # 1.37m falling       04:14 PM WED 12/01/11
Mountain Ck at Tanawha #        0.7m steady         03:13 PM WED 12/01/11
Mooloolaba Tide #               1.12m falling       04:14 PM WED 12/01/11
Mooloolaba Tide *               1.23m steady        03:59 PM WED 12/01/11
Golden Beach #                  0.81m falling       04:11 PM WED 12/01/11
Coochin Ck at Old Gympie Rd #   1.65m rising        12:42 PM WED 12/01/11
Coochin Ck at Beerwah #         2.1m falling        04:04 PM WED 12/01/11
Coochin Ck at Mawsons Rd *      3.38m falling       05:50 AM WED 12/01/11
N Maroochy R at Eumundi #       2.02m falling       03:28 PM WED 12/01/11
S Maroochy R at Kiamba #        1.83m rising        03:03 PM WED 12/01/11
S Maroochy R at Yandina #       1.83m steady        01:19 PM WED 12/01/11
Maroochy R at Dunethin Rock #   2.25m steady        02:24 AM WED 12/01/11
Yandina Ck at Yandina Ck #      4.81m falling       04:03 PM WED 12/01/11
Doonan Ck at Doonan Creek #     4.05m falling       03:16 PM WED 12/01/11
Maroochy R at Stoney Wharf Rd # 1.5m falling        02:43 PM WED 12/01/11
Petrie Ck at West Woombye #     0.45m falling       03:18 PM WED 12/01/11
Petrie Ck at Warana Br #        2.24m steady        03:12 PM WED 12/01/11
Paynter Ck at Palmwoods Oval #  2.1m rising         03:57 PM WED 12/01/11
Paynter Ck at Diddillibah#      3.66m falling       02:02 PM WED 12/01/11
Eudlo Ck at Kiels Mountain *    2.88m falling       03:00 PM WED 12/01/11
Maroochy R at Picnic Point #    0.73m rising        04:14 PM WED 12/01/11
Teewah Ck at Coops Corner *     2.9m falling        03:00 PM WED 12/01/11
L Cootharaba at Boreen Point #  1.73m steady        04:15 PM WED 12/01/11
L Cootharaba at Boreen Point    1.8m falling slowly 07:00 AM WED 12/01/11
L Cooroibah #                   1.48m steady        02:41 PM WED 12/01/11
L Cooroibah                     1.3m falling        03:00 PM WED 12/01/11
Noosa R at Tewantin #           1m steady           02:21 PM WED 12/01/11
Noosa R at Noosa Bar #          0.55m falling       03:56 PM WED 12/01/11


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IDQ20795

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
Issued at 7:03 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Stream levels continue to ease across the Sunshine Coast and Caboolture and Pine
River catchments.

Some moderate flooding remains in the Mooloolah River at Jordan St and in
Paynter Creek at Diddillibah, however levels will continue to ease further
during Thursday.
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PINE AND CABOOLTURE RIVERS:

River levels have fallen away below minor flood level along the Caboolture, North Pine and South Pine Rivers and Burpengary Creek.

MAROOCHY AND MOOLOOLAH RIVERS AND COOCHIN CREEK:

Stream levels have continued to ease below minor flood level overnight in the Sunshine Coast Creeks and Streams. Moderate flooding however continues to ease in the Mooloolah River at Jordan St and in Paynter Creek at Diddillibah.

NOOSA RIVER:

Minor flooding is easing between Boreen Point and Lake Cooroibah. River levels have eased below minor flood level at Tewantin, however higher levels are still likely coincident with the high tide during Thursday.

Weather Forecast:
Isolated showers.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Mooloolah R at Mooloolah *	1.82m falling	05:00 AM THU 13/01/11
Mooloolah R at Jordan St #	4.45m falling	05:53 AM THU 13/01/11
Mooloolah R at Palmview #	3.94m steady	06:47 AM THU 13/01/11
Currumundi Ck at Meridan Way #	1.61m falling	05:28 AM THU 13/01/11
Mooloolah R U/S Parreara Weir #	0.81m falling	06:48 AM THU 13/01/11
Mountain Ck at Tanawha #	0.55m steady	06:13 AM THU 13/01/11
Mooloolaba Tide #	0.97m falling	06:44 AM THU 13/01/11
Golden Beach #	0.71m falling	06:41 AM THU 13/01/11
Coochin Ck at Old Gympie Rd #	1.35m steady	06:36 AM THU 13/01/11
Coochin Ck at Beerwah #	1.8m falling	01:06 AM THU 13/01/11
N Maroochy R at Eumundi #	1.37m falling	05:25 AM THU 13/01/11
S Maroochy R at Kiamba #	1.43m falling	05:21 AM THU 13/01/11
S Maroochy R at Yandina *	1.52m falling	05:00 AM THU 13/01/11
Yandina Ck at Yandina Ck #	3.51m falling	06:46 AM THU 13/01/11
Doonan Ck at Doonan Creek #	3.7m rising	06:14 AM THU 13/01/11
Maroochy R at Stoney Wharf Rd #	1m falling	06:40 AM THU 13/01/11
Petrie Ck at West Woombye #	0.3m steady	05:12 AM THU 13/01/11
Petrie Ck at Warana Br #	1.69m falling	06:39 AM THU 13/01/11
Paynter Ck at Palmwoods Oval #	1.35m falling	06:20 AM THU 13/01/11
Paynter Ck at Diddillibah#	3.51m falling	05:35 AM THU 13/01/11
Eudlo Ck at Kiels Mountain *	2.55m falling	05:00 AM THU 13/01/11
Maroochy R at Picnic Point #	0.38m falling	06:03 AM THU 13/01/11
Teewah Ck at Coops Corner *	2.15m falling	05:00 AM THU 13/01/11
L Cootharaba at Boreen Point	1.8m falling slowly	07:00 AM WED 12/01/11
L Cooroibah #	1.33m steady	05:41 AM THU 13/01/11
Noosa R at Tewantin #	0.85m falling	05:56 AM THU 13/01/11
Noosa R at Noosa Bar #	0.4m falling	06:38 AM THU 13/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(20)"

FLDWARN for the Upper Brisbane R basin

1 December 2010 to 31 January 2011

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TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 11:14 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has resulted in fast river level rises along the
Brisbane River and tributaries this evening. Minor flood levels are rising fast
between Linville and Devon Hills. Moderate flooding is rising at Gregor Creek
and will continue overnight.


Next Issue:
The next warning will be issued by 7:30am Monday.

Latest River Heights:
Stanley R at Peachester *           2.36m rising         08:20 PM SUN 19/12/10
Stanley R at Peachester #           3.68m rising         10:59 PM SUN 19/12/10
Stanley R at Woodford *             3.05m rising         08:40 PM SUN 19/12/10
Stanley R at Woodford #             3.9m steady          10:57 PM SUN 19/12/10
Stanley R at Woodford #             3.94m rising         11:00 PM SUN 19/12/10
Kilcoy Ck d/s Mt Kilcoy Weir *      2.77m rising         08:40 PM SUN 19/12/10
Kilcoy Ck d/s Mt Kilcoy Weir #      4.88m steady         11:01 PM SUN 19/12/10
Stanley R at Somerset Dam HW #      99.62m rising        10:54 PM SUN 19/12/10
Stanley R at Somerset Dam HW #      99.7m rising         10:55 PM SUN 19/12/10
Cooyar Ck at Cooyar Ck *            3.79m rising         09:30 PM SUN 19/12/10
Cooyar Ck at Cooyar Ck #            4.44m rising         10:58 PM SUN 19/12/10
Brisbane R at Linville *            3.98m rising         08:40 PM SUN 19/12/10
Brisbane R at Linville #            5.46m rising         10:59 PM SUN 19/12/10
Brisbane R at Devon Hills #         5.67m rising         11:00 PM SUN 19/12/10
Emu Ck at Boat Mountain *           1.53m rising         09:24 PM SUN 19/12/10
Emu Ck at Boat Mountain #           1.94m rising         11:00 PM SUN 19/12/10
Maronghi Ck at Glendale *           1.92m steady         09:27 PM SUN 19/12/10
Brisbane R at Gregor Ck *           4.49m rising         09:00 PM SUN 19/12/10
Brisbane R at Gregor Ck #           5.12m rising         11:00 PM SUN 19/12/10
Cressbrook Ck at Rosentreters Br *  2.47m rising         09:16 PM SUN 19/12/10
Cressbrook Ck at Rosentreters Br #  2.62m rising         11:01 PM SUN 19/12/10
Esk Ck at Falls Rd *                3.51m rising         09:00 PM SUN 19/12/10
Splityard Creek Dam #               161.95m falling      10:37 PM SUN 19/12/10
Brisbane R at Wivenhoe Dam          67.3m falling slowly 07:00 AM SUN 19/12/10
Brisbane R at Wivenhoe Dam HW #     67.43m rising        10:55 PM SUN 19/12/10
Brisbane R at Wivenhoe Dam HW #     67.41m rising        10:45 PM SUN 19/12/10
Brisbane R at Wivenhoe Dam TW #     29.02m steady        11:00 PM SUN 19/12/10
Brisbane R at Wivenhoe Dam TW #     28.86m falling       10:59 PM SUN 19/12/10

*automatic station


Flood Warnings are also available on telephone 1300 659 219 at a low call cost
of 27.5 cents, more from mobile, public and satellite phones.
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TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 5:37 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Following moderate to heavy rainfall that occurred during Sunday afternoon and evening, fast stream rises are nearing a peak or are already falling this morning along the Brisbane River and tributaries.

Moderate flood levels are easing between Linville and Devon Hills, with major flood levels nearing a peak at Gregor Creek. Minor flooding is also nearing a peak on the Stanley River above Somerset Dam at Woodford.

The heaviest rainfall totals recorded since 9am Sunday include Mt Stanley 116mm, Devon Hills 93mm, Woodford 92mm, Mt Kilcoy Weir 92mm, and generally between 50-80mm elsewhere across the upper Brisbane River catchment.

Weather Forecast:
Becoming fine and sunny.

Next Issue:
The next warning will be issued at about midday Monday.

Latest River Heights:

Stanley R at Peachester #	4.8m falling	05:14 AM MON 20/12/10
Stanley R at Woodford #	5.2m rising	05:12 AM MON 20/12/10
Kilcoy Ck d/s Mt Kilcoy Weir #	5.29m steady	05:15 AM MON 20/12/10
Stanley R at Somerset Dam HW #	100.12m rising	05:04 AM MON 20/12/10
Cooyar Ck at Cooyar Ck #	4.52m falling	05:04 AM MON 20/12/10
Brisbane R at Linville #	6.02m rising	05:05 AM MON 20/12/10
Brisbane R at Devon Hills #	6.71m falling	05:13 AM MON 20/12/10
Emu Ck at Boat Mountain #	3.28m rising	05:08 AM MON 20/12/10
Maronghi Ck at Glendale *	2.56m falling	04:00 AM MON 20/12/10
Brisbane R at Gregor Ck #	7.54m rising slowly	05:09 AM MON 20/12/10
Cressbrook Ck at Rosentreters Br #	2.7m rising	05:04 AM MON 20/12/10
Esk Ck at Falls Rd *	3.18m falling	02:20 AM MON 20/12/10
Brisbane R at Wivenhoe Dam HW #	67.55m rising	05:12 AM MON 20/12/10
Brisbane R at Wivenhoe Dam TW #	28.96m rising	05:11 AM MON 20/12/10

*,# denotes automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 12:11 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast river level rises are nearing a peak or are falling along the Brisbane River and tributaries.

Minor flood levels are easing between Linville and Devon Hills, with moderate flood levels continuing at Gregor Creek through today.

The heaviest rainfall totals recorded since 9am Sunday include Mt Stanley 116mm, Devon Hills 93mm, Woodford 92mm, Mt Kilcoy Weir 92mm, and generally between 50-80mm elsewhere across the upper Brisbane River catchment.

Weather Forecast:
Becoming fine and sunny.

Next Issue:
The next warning will be issued at about 5pm Monday.

Latest River Heights:

Stanley R at Peachester *	3.77m falling	11:20 AM MON 20/12/10
Stanley R at Peachester #	3.56m falling	12:02 PM MON 20/12/10
Stanley R at Woodford *	5.14m falling	11:30 AM MON 20/12/10
Stanley R at Woodford #	5.1m falling	11:36 AM MON 20/12/10
Stanley R at Woodford #	5.12m falling	11:45 AM MON 20/12/10
Kilcoy Ck d/s Mt Kilcoy Weir *	3.22m falling	11:40 AM MON 20/12/10
Kilcoy Ck d/s Mt Kilcoy Weir #	3.12m steady	12:05 PM MON 20/12/10
Stanley R at Somerset Dam HW #	100.28m falling	12:00 PM MON 20/12/10
Stanley R at Somerset Dam HW #	100.34m falling	12:01 PM MON 20/12/10
Cooyar Ck at Cooyar Ck *	4.85m falling	11:00 AM MON 20/12/10
Cooyar Ck at Cooyar Ck #	4.78m steady	11:35 AM MON 20/12/10
Brisbane R at Linville *	4.86m falling	11:40 AM MON 20/12/10
Brisbane R at Linville #	4.78m falling	12:05 PM MON 20/12/10
Brisbane R at Devon Hills #	5.67m falling	12:04 PM MON 20/12/10
Emu Ck at Boat Mountain *	4.31m falling	11:50 AM MON 20/12/10
Emu Ck at Boat Mountain #	4.24m falling	12:05 PM MON 20/12/10
Maronghi Ck at Glendale *	2.18m falling	11:00 AM MON 20/12/10
Brisbane R at Gregor Ck *	7.33m falling	11:00 AM MON 20/12/10
Brisbane R at Gregor Ck #	7.18m falling	11:57 AM MON 20/12/10
Cressbrook Ck at Rosentreters Br *	2.67m falling	11:00 AM MON 20/12/10
Cressbrook Ck at Rosentreters Br #	2.66m falling	11:25 AM MON 20/12/10
Esk Ck at Falls Rd *	2.01m falling	11:10 AM MON 20/12/10
Splityard Creek Dam #	161.9m falling	11:28 AM MON 20/12/10
Brisbane R at Wivenhoe Dam	67.68m rising fast	09:00 AM MON 20/12/10
Brisbane R at Wivenhoe Dam HW #	67.81m rising	11:57 AM MON 20/12/10
Brisbane R at Wivenhoe Dam HW #	67.83m rising	12:00 PM MON 20/12/10
Brisbane R at Wivenhoe Dam TW #	28.46m steady	11:39 AM MON 20/12/10
Brisbane R at Wivenhoe Dam TW #	28.18m rising	12:05 PM MON 20/12/10

*automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 4:29 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast river level rises are falling along the Brisbane River and tributaries.

Minor flood levels are easing between Linville and Devon Hills, with moderate flood levels continuing to fall at Gregor Creek through this evening and overnight.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Stanley R at Peachester *	2.72m falling	02:20 PM MON 20/12/10
Stanley R at Peachester #	2.26m falling	04:23 PM MON 20/12/10
Stanley R at Woodford *	5.01m falling	02:40 PM MON 20/12/10
Stanley R at Woodford #	4.92m falling	04:09 PM MON 20/12/10
Stanley R at Woodford #	4.94m steady	04:25 PM MON 20/12/10
Kilcoy Ck d/s Mt Kilcoy Weir *	2.73m falling	02:40 PM MON 20/12/10
Kilcoy Ck d/s Mt Kilcoy Weir #	2.52m steady	04:23 PM MON 20/12/10
Stanley R at Somerset Dam HW #	100.3m rising	03:54 PM MON 20/12/10
Stanley R at Somerset Dam HW #	100.36m falling	04:13 PM MON 20/12/10
Cooyar Ck at Cooyar Ck *	4.05m falling	02:50 PM MON 20/12/10
Cooyar Ck at Cooyar Ck #	3.74m falling	04:16 PM MON 20/12/10
Brisbane R at Linville *	4.62m falling	02:40 PM MON 20/12/10
Brisbane R at Linville #	4.36m falling	04:26 PM MON 20/12/10
Brisbane R at Devon Hills #	5.21m falling	04:16 PM MON 20/12/10
Emu Ck at Boat Mountain *	3.76m falling	02:20 PM MON 20/12/10
Emu Ck at Boat Mountain #	3.38m falling	04:23 PM MON 20/12/10
Maronghi Ck at Glendale *	2.1m falling	02:00 PM MON 20/12/10
Brisbane R at Gregor Ck *	6.83m falling	02:40 PM MON 20/12/10
Brisbane R at Gregor Ck #	6.46m falling	04:18 PM MON 20/12/10
Cressbrook Ck at Rosentreters Br *	2.59m falling	02:00 PM MON 20/12/10
Cressbrook Ck at Rosentreters Br #	2.52m falling	03:49 PM MON 20/12/10
Esk Ck at Falls Rd *	1.95m steady	02:00 PM MON 20/12/10
Splityard Creek Dam #	161.9m steady	04:20 PM MON 20/12/10
Brisbane R at Wivenhoe Dam	67.68m rising fast	09:00 AM MON 20/12/10
Brisbane R at Wivenhoe Dam HW #	67.99m rising	03:59 PM MON 20/12/10
Brisbane R at Wivenhoe Dam HW #	68.01m rising	04:21 PM MON 20/12/10
Brisbane R at Wivenhoe Dam TW #	28.49m steady	04:15 PM MON 20/12/10
Brisbane R at Wivenhoe Dam TW #	28.22m rising	04:26 PM MON 20/12/10

*automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 3:24 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall of up to 60mm today has led to fast creek and river level rises along the upper Brisbane River and tributaries. Minor to moderate flood levels are expected at Linville and Devon Hills this evening. Moderate, possibly major flood levels are forecast at Gregor Creek overnight.

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Next Issue:
The next warning will be issued by 8pm Thursday.

Latest River Heights:

Kilcoy Ck d/s Mt Kilcoy Weir *	2.54m falling	08:20 AM THU 06/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	2.31m steady	03:09 PM THU 06/01/11
Stanley R at Somerset Dam HW #	99.26m falling	03:06 PM THU 06/01/11
Stanley R at Somerset Dam HW #	99.36m rising	03:02 PM THU 06/01/11
Cooyar Ck at Cooyar Ck *	5.03m rising	01:31 PM THU 06/01/11
Cooyar Ck at Cooyar Ck #	7.86m rising	03:07 PM THU 06/01/11
Brisbane R at Linville #	3.42m rising	03:02 PM THU 06/01/11
Brisbane R at Devon Hills #	4.43m steady	02:59 PM THU 06/01/11
Emu Ck at Boat Mountain *	1.31m steady	01:00 PM THU 06/01/11
Emu Ck at Boat Mountain #	1.44m rising	02:59 PM THU 06/01/11
Maronghi Ck at Glendale *	1.9m rising	01:00 PM THU 06/01/11
Brisbane R at Gregor Ck *	3.28m rising	01:30 PM THU 06/01/11
Brisbane R at Gregor Ck #	3.94m rising	03:08 PM THU 06/01/11
Cressbrook Ck at Rosentreters Br *	1.85m steady	01:00 PM THU 06/01/11
Cressbrook Ck at Rosentreters Br #	2.04m rising	03:07 PM THU 06/01/11
Esk Ck at Falls Rd *	2.07m steady	01:30 PM THU 06/01/11
Splityard Creek Dam #	163.5m steady	01:19 PM THU 06/01/11
Brisbane R at Wivenhoe Dam	67.31m rising slowly	07:00 AM THU 06/01/11
Brisbane R at Wivenhoe Dam HW #	67.39m rising	02:17 PM THU 06/01/11

*automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 7:49 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

The heavy rainfall has cleared from the upper Brisbane River catchment. Fast creek and river level rises are continuing during Thursday evening along the upper Brisbane River and tributaries. Minor to moderate flooding continues to rise in the upper Brisbane River at Linville and Devon Hills. Moderate flooding is rising at Gregor Creek.

Higher levels are possible but dependent on further heavy rainfall.

Next Issue:
The next warning will be issued by 8am Friday.

Latest River Heights:

Stanley R at Peachester #	1.16m rising	07:31 PM THU 06/01/11
Stanley R at Woodford #	2.44m rising	07:26 PM THU 06/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	2.76m rising	07:30 PM THU 06/01/11
Stanley R at Somerset Dam HW #	99.32m rising	07:24 PM THU 06/01/11
Cooyar Ck at Cooyar Ck #	4.72m falling	07:31 PM THU 06/01/11
Brisbane R at Linville #	6.38m rising	07:27 PM THU 06/01/11
Brisbane R at Devon Hills #	5.03m rising	07:31 PM THU 06/01/11
Emu Ck at Boat Mountain #	3.68m rising	07:32 PM THU 06/01/11
Maronghi Ck at Glendale *	2.64m rising	06:30 PM THU 06/01/11
Brisbane R at Gregor Ck #	5.02m rising	07:20 PM THU 06/01/11
Cressbrook Ck at Rosentreters Br #	2.24m rising	07:10 PM THU 06/01/11
Esk Ck at Falls Rd *	3.34m falling	06:20 PM THU 06/01/11
Splityard Creek Dam #	163.5m steady	07:19 PM THU 06/01/11
Brisbane R at Wivenhoe Dam	67.31m rising slowly	07:00 AM THU 06/01/11
Brisbane R at Wivenhoe Dam TW #	27.86m rising	07:18 PM THU 06/01/11

*,# denotes automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 7:28 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

50 - 70 mm of rainfall fell over the catchment area during Thursday and caused fast river rises and minor to moderate flooding on Cooyar Creek and the Upper Brisbane River. Water levels on Cooyar Creek have now fallen below minor. Minor to moderate flooding is easing on the Upper Brisbane River between

Linville and Gregor Creek.

Further rainfall is forecast for the catchment during Friday which may cause renewed river level rises.

Weather Forecast:
Rain areas.

Next Issue:
The next warning will be issued by 5pm Friday.

Latest River Heights:

Stanley R at Peachester #	1.76m rising	07:04 AM FRI 07/01/11
Stanley R at Woodford #	2.86m rising	07:11 AM FRI 07/01/11
Stanley R at Somerset Dam	99.54m steady	06:39 AM FRI 07/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	2.41m steady	07:06 AM FRI 07/01/11
Cooyar Ck at Cooyar Ck #	2.98m falling	07:13 AM FRI 07/01/11
Brisbane R at Linville #	3.52m falling	07:09 AM FRI 07/01/11
Brisbane R at Devon Hills #	4.35m falling	07:02 AM FRI 07/01/11
Emu Ck at Boat Mountain #	3.66m falling	07:14 AM FRI 07/01/11
Maronghi Ck at Glendale *	2.1m steady	06:00 AM FRI 07/01/11
Brisbane R at Gregor Ck #	5.88m falling	07:14 AM FRI 07/01/11
Cressbrook Ck at Rosentreters Br #	2.42m steady	06:20 AM FRI 07/01/11
Esk Ck at Falls Rd *	2.06m steady	06:20 AM FRI 07/01/11
Splityard Creek Dam #	163.45m steady	04:19 AM FRI 07/01/11
Brisbane R at Wivenhoe Dam	67.69m rising	07:05 AM FRI 07/01/11
Brisbane R at Wivenhoe Dam TW #	29.13m steady	07:14 AM FRI 07/01/11

*, # denote automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 5:03 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Further rainfall of between 20-40mm has been recorded in the upper Brisbane catchment since 9am Friday. Renewed rises and minor to moderate flooding have been recorded in Gregor and Cressbrook Creeks and along the Brisbane River between Linville and Devon Hills. Further river level rises are expected during Friday evening as rainfall continues. River levels are not expected to reach heights recorded yesterday.

Further rainfall is forecast for the catchment into Saturday which may produce further river level rises.

Weather Forecast:
Rain areas and local thunder. Some moderate to locally heavy falls possible about the Sunshine Coast.

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Next Issue:
The next warning will be issued by 9am Saturday.

Latest River Heights:
Stanley R at Peachester #           3.32m rising     04:16 PM FRI 07/01/11
Stanley R at Woodford #             4.88m rising     04:14 PM FRI 07/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #      3.45m steady     04:15 PM FRI 07/01/11
Stanley R at Somerset Dam HW #      99.86m rising    04:15 PM FRI 07/01/11
Cooyar Ck at Cooyar Ck #            4.7m rising      04:16 PM FRI 07/01/11
Brisbane R at Linville #            4.58m rising     04:15 PM FRI 07/01/11
Brisbane R at Devon Hills #         5.03m rising     04:00 PM FRI 07/01/11
Emu Ck at Boat Mountain #           3.22m rising     04:13 PM FRI 07/01/11
Brisbane R at Gregor Ck #           5.92m rising     04:11 PM FRI 07/01/11
Cressbrook Ck at Rosentreters Br #  3.16m steady     03:20 PM FRI 07/01/11
Esk Ck at Falls Rd *                4.49m rising     03:20 PM FRI 07/01/11
Splityard Creek Dam #               163.4m steady    01:19 PM FRI 07/01/11
Brisbane R at Wivenhoe Dam HW #     68.05m falling   04:10 PM FRI 07/01/11
Brisbane R at Wivenhoe Dam TW #     29.79m rising    04:11 PM FRI 07/01/11

*,# from automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost
of 27.5 cents, more from mobile, public and satellite phones.
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TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 12:58 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Renewed rises and minor to moderate flooding are occurring in Gregor and
Cressbrook Creeks, with major flooding occurring along the Brisbane River
between Linville and Devon Hills. Further river level rises are possible during
Saturday morning as rainfall continues.

Further rainfall is forecast for the catchment during Saturday which may produce
further renewed river levels.

Weather Forecast:
Rain at times with possible thunder.

Next Issue:
The next warning will be issued by 9am Saturday.

Latest River Heights:
Stanley R at Peachester #           2.14m falling        12:43 AM SAT 08/01/11
Stanley R at Woodford #             4.92m falling        12:38 AM SAT 08/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #      4.52m falling        12:47 AM SAT 08/01/11
Stanley R at Somerset Dam HW #      100.16m steady       12:42 AM SAT 08/01/11
Cooyar Ck at Cooyar Ck #            4.58m falling        12:37 AM SAT 08/01/11
Brisbane R at Linville #            6.5m falling         12:45 AM SAT 08/01/11
Brisbane R at Devon Hills #         7.11m rising         12:40 AM SAT 08/01/11
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Emu Ck at Boat Mountain #           4.42m falling        12:37 AM SAT 08/01/11
Maronghi Ck at Glendale *           2.62m falling        11:00 PM FRI 07/01/11
Brisbane R at Gregor Ck #           7.28m rising         12:47 AM SAT 08/01/11
Cressbrook Ck at Rosentreters Br #  3.1m steady          12:20 AM SAT 08/01/11
Esk Ck at Falls Rd *                4.08m falling        06:10 PM FRI 07/01/11
Splityard Creek Dam #               163.35m falling      10:57 PM FRI 07/01/11
Brisbane R at Wivenhoe Dam HW #     68.33m steady        12:46 AM SAT 08/01/11
Brisbane R at Wivenhoe Dam TW #     32.1m rising         12:47 AM SAT 08/01/11

*,# denotes automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost
of 27.5 cents, more from mobile, public and satellite phones.
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TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 8:53 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is easing in the Brisbane River catchment between
Linville and Gregor Creek. Further river level rises are possible during
Saturday as further rainfall is forecast.

Next Issue:
The next warning will be issued by 9am Sunday.

Latest River Heights:

Brisbane R at Linville #            4.5m falling         07:57 AM SAT 08/01/11
Brisbane R at Devon Hills #         5.37m falling        08:07 AM SAT 08/01/11
Emu Ck at Boat Mountain #           4.34m falling        08:07 AM SAT 08/01/11
Maronghi Ck at Glendale *           2.21m falling        07:00 AM SAT 08/01/11
Brisbane R at Gregor Ck *           7.22m falling        07:30 AM SAT 08/01/11
Brisbane R at Gregor Ck #           7m falling           08:08 AM SAT 08/01/11
Cressbrook Ck at Rosentreters Br #  2.8m falling         07:42 AM SAT 08/01/11
Esk Ck at Falls Rd *                2.05m rising         07:20 AM SAT 08/01/11
Splityard Creek Dam #               163.35m steady       07:19 AM SAT 08/01/11
Brisbane R at Wivenhoe Dam HW #     68.55m rising        08:07 AM SAT 08/01/11

*automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost
of 27.5 cents, more from mobile, public and satellite phones.
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TO::BOM614

IDQ20800
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 9:28 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has returned to the Brisbane River catchment overnight and will continue through today.

Minor flood levels are occurring along the Stanley River at Peachester. Some moderate flood levels are expected today at Woodford with higher levels possible as rainfall continues.

A return to moderate and major flood levels is likely from Linville to Gregor Creek today.

Next Issue:
The next warning will be issued by 2pm Sunday.

Latest River Heights:

Stanley R at Peachester *	5.19m rising	08:00 AM SUN 09/01/11
Stanley R at Peachester #	5.88m rising	09:10 AM SUN 09/01/11
Stanley R at Woodford *	4.4m rising	08:20 AM SUN 09/01/11
Kilcoy Ck d/s Mt Kilcoy Weir *	4.88m rising	08:20 AM SUN 09/01/11
Stanley R at Somerset Dam HW #	100.12m rising	09:03 AM SUN 09/01/11
Cooyar Ck at Cooyar Ck *	2.71m steady	08:00 AM SUN 09/01/11
Brisbane R at Linville #	3.52m rising	09:12 AM SUN 09/01/11
Brisbane R at Devon Hills #	5.25m falling	09:12 AM SUN 09/01/11
Emu Ck at Boat Mountain *	2.13m falling	08:00 AM SUN 09/01/11
Maronghi Ck at Glendale *	2.01m rising	08:00 AM SUN 09/01/11
Brisbane R at Gregor Ck *	4.92m rising	08:30 AM SUN 09/01/11
Cressbrook Ck at Rosentreters Br *	2.29m steady	08:00 AM SUN 09/01/11
Cressbrook Ck at Rosentreters Br #	2.28m falling	07:36 AM SUN 09/01/11
Esk Ck at Falls Rd *	1.96m falling	08:20 AM SUN 09/01/11
Splityard Creek Dam #	163.2m steady	07:19 AM SUN 09/01/11
Brisbane R at Wivenhoe Dam HW #	68.55m rising	09:00 AM SUN 09/01/11

*automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 2:12 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of up to 85 millimetres has been been recorded in the catchments of the Upper Brisbane and Stanley Rivers during the 5 hours since 9am Sunday. Heavy rainfall is expected to continue in the catchments during Sunday and Monday with

major flood levels expected in the Upper Brisbane River during Sunday and into Monday.

UPPER BRISBANE RIVER:

The heavy rainfall is causing very fast rises in the Upper Brisbane River at Linville with major flood levels expected during Sunday afternoon. Fast rises to major flood levels are expected downstream to Gregor Creek during Sunday and into Monday.

STANLEY RIVER:

Minor flood levels are currently steady in the Stanley River at Peachester but renewed rises are possible during the next 24 hours. Moderate flood levels are expected later today at Woodford with higher levels possible as rainfall continues. Rises and flooding are also possible in Kilcoy Creek during the next 24 hours.

Next Issue:
The next warning will be issued by 10pm Sunday.

Latest River Heights:

Stanley R at Peachester #	7.68m steady	01:37 PM SUN 09/01/11
Stanley R at Woodford #	4.92m rising	01:31 PM SUN 09/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	6.48m steady	01:43 PM SUN 09/01/11
Cooyar Ck at Cooyar Ck #	5.1m rising	01:45 PM SUN 09/01/11
Brisbane R at Linville *	3.41m rising	08:10 AM SUN 09/01/11
Brisbane R at Devon Hills #	5.61m rising	01:46 PM SUN 09/01/11
Emu Ck at Boat Mountain #	2.82m rising	01:43 PM SUN 09/01/11
Maronghi Ck at Glendale *	2.08m rising	12:17 PM SUN 09/01/11
Brisbane R at Gregor Ck #	6.48m rising	01:44 PM SUN 09/01/11
Cressbrook Ck at Rosentreters Br #	3.12m rising	01:30 PM SUN 09/01/11

*,# automatic

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 10:38 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of between 100 and 250 millimetres has been been recorded in the catchments of the Upper Brisbane and Stanley Rivers during the 13 hours since 9am Sunday. The heavy rainfall is expected to continue in the catchments with major flood levels being maintained during Sunday and Monday.

UPPER BRISBANE RIVER:

Major flooding has developed in Cooyar and Cressbrook Creeks and in the Upper Brisbane River from Linville downstream to Gregor Creek. Further rises and high level major flooding are possible during Sunday and into Monday.

STANLEY RIVER:

Major flood levels are continuing to rise in the Stanley River at Peachester and Woodford. Further rises and high level major flooding are possible during Sunday and into Monday.

Further rises and flooding are also possible in Kilcoy Creek during the next 24 hours.

Next Issue:
The next warning will be issued by 9am Monday.

Latest River Heights:

Stanley R at Peachester #	8.92m steady	10:07 PM SUN 09/01/11
Stanley R at Woodford #	8.18m rising	10:11 PM SUN 09/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	7.12m steady	10:11 PM SUN 09/01/11
Cooyar Ck at Cooyar Ck #	8.1m rising	10:00 PM SUN 09/01/11
Brisbane R at Linville #	9.66m steady	10:06 PM SUN 09/01/11
Brisbane R at Devon Hills #	11.19m falling	10:00 PM SUN 09/01/11
Emu Ck at Boat Mountain #	9.72m steady	10:06 PM SUN 09/01/11
Brisbane R at Gregor Ck #	14.52m falling	10:11 PM SUN 09/01/11
Cressbrook Ck at Rosentreters Br #	5.16m falling	10:06 PM SUN 09/01/11

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 9:16 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of up to 300mm has been been recorded in the catchments of the Upper Brisbane and Stanley Rivers during the 24 hours to 9am Monday. Major flood levels continue although levels are currently easing. Further rises are possible and the heavy rainfall is expected to continue today.

UPPER BRISBANE RIVER:

Moderate to major flooding continues in much of the upper Brisbane catchment. Flood levels are now easing although further rainfall is expected today.

STANLEY RIVER:

Major flood levels are easing in the Stanley River at Peachester and Woodford.

Further rises and high level major flooding are possible during Monday as rainfall continues.

Next Issue:
The next warning will be issued by 4pm Monday.

Latest River Heights:

Stanley R at Peachester #	7.36m falling	08:16 AM MON 10/01/11
Stanley R at Woodford #	8.28m falling	08:10 AM MON 10/01/11
Kilcoy Ck d/s Mt Kilcoy Weir *	6.36m falling	06:00 AM MON 10/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	5.92m steady	08:16 AM MON 10/01/11
Stanley R at Somerset Dam HW #	102.84m rising	08:18 AM MON 10/01/11
Cooyar Ck at Cooyar Ck #	6.36m falling	08:18 AM MON 10/01/11
Brisbane R at Linville *	7.54m falling	06:00 AM MON 10/01/11
Brisbane R at Linville #	6.94m falling	08:15 AM MON 10/01/11
Brisbane R at Devon Hills #	8.25m falling	08:19 AM MON 10/01/11
Emu Ck at Boat Mountain *	7.01m falling	07:28 AM MON 10/01/11
Emu Ck at Boat Mountain #	6.62m falling	08:13 AM MON 10/01/11
Maronghi Ck at Glendale *	3.23m falling	07:17 AM MON 10/01/11
Brisbane R at Gregor Ck *	9.6m falling	07:30 AM MON 10/01/11
Brisbane R at Gregor Ck #	11.44m falling	08:17 AM MON 10/01/11
Cressbrook Ck at Rosentreters Br *	4.3m falling	07:20 AM MON 10/01/11
Cressbrook Ck at Rosentreters Br #	4.2m falling	08:18 AM MON 10/01/11
Esk Ck at Falls Rd *	4.05m steady	06:00 AM MON 10/01/11
Splityard Creek Dam #	166.1m rising	07:57 AM MON 10/01/11
Brisbane R at Wivenhoe Dam	68.55m falling slowly	09:00 AM SUN 09/01/11
Brisbane R at Wivenhoe Dam HW #	71.45m falling	08:18 AM MON 10/01/11
Brisbane R at Wivenhoe Dam HW #	71.47m rising	08:17 AM MON 10/01/11
Brisbane R at Wivenhoe Dam TW #	38.67m rising	08:17 AM MON 10/01/11
Brisbane R at Wivenhoe Dam TW #	38.6m falling	08:18 AM MON 10/01/11

*automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 5:22 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall of between 50-75mm has been been recorded in the Cressbrook Creek catchment with localised totals in excess of 125mm. Major flood levels continue at Gregor Creek and at Rosentretter's Bridge although levels are currently easing. Further rises are possible as heavy rainfall is forecast into Tuesday.

UPPER BRISBANE RIVER:

Moderate to major flooding continues in much of the upper Brisbane catchment.

Flood levels are now easing although further rainfall is forecast for the remainder of today and into Tuesday.

STANLEY RIVER:

Minor to moderate flood levels are easing in the Stanley River at Peachester and Woodford. Further rises are possible during the next 24 hours as rainfall continues.

Next Issue:
The next warning will be issued by 9am Tuesday.

Latest River Heights:

Stanley R at Peachester #	7.06m	falling	05:07 PM MON 10/01/11
Stanley R at Woodford #	7.38m	falling	05:07 PM MON 10/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	5.55m	steady	05:09 PM MON 10/01/11
Stanley R at Somerset Dam HW #	103.34m	rising	04:20 PM MON 10/01/11
Cooyar Ck at Cooyar Ck #	4.48m	falling	05:09 PM MON 10/01/11
Brisbane R at Linville #	4.94m	falling	05:09 PM MON 10/01/11
Brisbane R at Devon Hills #	6.11m	falling	05:02 PM MON 10/01/11
Emu Ck at Boat Mountain #	5.84m	rising	05:01 PM MON 10/01/11
Maronghi Ck at Glendale *	4.37m	rising	04:30 PM MON 10/01/11
Brisbane R at Gregor Ck #	8.62m	steady	04:53 PM MON 10/01/11
Cressbrook Ck at Rosentreters Br #	6.66m	falling	05:06 PM MON 10/01/11
Esk Ck at Falls Rd *	3.95m	falling	10:40 AM MON 10/01/11
Splityard Creek Dam #	162.7m	rising	05:06 PM MON 10/01/11
Brisbane R at Wivenhoe Dam HW #	72.83m	falling	05:07 PM MON 10/01/11
Brisbane R at Wivenhoe Dam TW #	39.92m	rising	05:03 PM MON 10/01/11

*,# from automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 6:56 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Further widespread rainfall totals of between 30-60mm has been been recorded in the last 6 hours to 6am Tuesday across the upper Brisbane River catchment. Renewed rises and major flooding continues at Cooyar, Gregor and Cressbrook Creeks and along the upper Brisbane River at Linville at Devon Hills.

UPPER BRISBANE RIVER:

Further rises and major flooding continues in much of the upper Brisbane catchment during Tuesday morning. Further rainfall is forecast for the remainder of today.

STANLEY RIVER:

Renewed rises are occurring with the heavy rainfall in the Stanley River causing minor to moderate flooding at Peachester and Woodford. Rises are also occurring in Kilcoy Creek.

Weather Forecast:
Rain periods with possible thunder. Rain gradually easing later in the day.

Next Issue:
The next warning will be issued by 1pm Tuesday.

Latest River Heights:

Stanley R at Peachester #	5.52m falling	06:22 AM TUE 11/01/11
Stanley R at Woodford #	6.42m rising	06:32 AM TUE 11/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	4.82m steady	06:32 AM TUE 11/01/11
Stanley R at Somerset Dam HW #	103.26m rising	06:29 AM TUE 11/01/11
Cooyar Ck at Cooyar Ck #	8.92m falling	06:33 AM TUE 11/01/11
Brisbane R at Linville #	9.42m falling	06:33 AM TUE 11/01/11
Brisbane R at Devon Hills #	10.81m rising	06:03 AM TUE 11/01/11
Emu Ck at Boat Mountain #	7.66m rising	06:07 AM TUE 11/01/11
Maronghi Ck at Glendale *	2.81m steady	05:00 AM TUE 11/01/11
Brisbane R at Gregor Ck #	11.08m rising	06:32 AM TUE 11/01/11
Cressbrook Ck at Rosentreters Br #	5.68m rising	06:12 AM TUE 11/01/11
Esk Ck at Falls Rd *	3.71m rising	05:40 AM TUE 11/01/11
Splityard Creek Dam #	162.7m rising	05:54 AM TUE 11/01/11
Brisbane R at Wivenhoe Dam HW #	73.59m rising	06:30 AM TUE 11/01/11
Brisbane R at Wivenhoe Dam TW #	41.9m falling	06:29 AM TUE 11/01/11

*,# denotes automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 1:02 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Further very heavy rainfall totals of between 100-150mm has been been recorded in the 3 hours to 1pm Tuesday across the Stanley catchment above Somerset Dam. Fast rises and minor to moderate flooding is occurring along the Stanley River with higher levels expected. Moderate to major flooding has commenced to ease in Cooyar, Gregor and Cressbrook Creeks. Major flooding continues along the upper Brisbane River at Linville at Devon Hills where river levels are also easing.

UPPER BRISBANE RIVER:
The rainfall has eased in the upper Brisbane catchment above Wivenhoe Dam with less than 20mm recorded in the 3 hours to 1pm Tuesday. Whilst moderate to major flooding is generally easing, further rainfall is forecast for the remainder of today.

STANLEY RIVER:
Fast rises and minor to moderate flooding is occurring in the Stanley River above Somerset Dam, with further rises and higher flood levels expected during Tuesday afternoon with the continued very heavy rainfall. Creek rises continue in Kilcoy Creek.

Weather Forecast:
Rain periods with possible thunder. Moderate to heavy falls possible.

Next Issue:
The next warning will be issued at about 5pm Tuesday.

Latest River Heights:

Stanley R at Peachester #	8.1m rising	12:55 PM TUE 11/01/11
Stanley R at Woodford #	7.94m rising	12:56 PM TUE 11/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	5.6m steady	12:54 PM TUE 11/01/11
Stanley R at Somerset Dam HW #	103.7m rising	12:53 PM TUE 11/01/11
Cooyar Ck at Cooyar Ck #	6.78m falling	12:39 PM TUE 11/01/11
Brisbane R at Linville #	7.16m falling	12:57 PM TUE 11/01/11
Brisbane R at Devon Hills #	9.33m falling	12:46 PM TUE 11/01/11
Emu Ck at Boat Mountain #	9.32m steady	12:19 PM TUE 11/01/11
Maronghi Ck at Glendale *	3.55m falling	11:50 AM TUE 11/01/11
Brisbane R at Gregor Ck #	12.96m falling	12:56 PM TUE 11/01/11
Cressbrook Ck at Rosentreters Br #	6.1m rising	12:54 PM TUE 11/01/11
Esk Ck at Falls Rd *	5.3m falling	11:40 AM TUE 11/01/11
Splityard Creek Dam #	162.25m rising	12:57 PM TUE 11/01/11
Brisbane R at Wivenhoe Dam HW #	74.23m falling	12:54 PM TUE 11/01/11
Brisbane R at Wivenhoe Dam TW #	44.8m rising	12:56 PM TUE 11/01/11

*,# denotes automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 4:52 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall in the catchments of the Upper Brisbane and Stanley Rivers has eased to around 20-30 millimetres in the last three hours.

Fast rises are causing major flooding in the Stanley River at Peachester and Woodford.

Moderate to major flooding continues to ease in Cooyar, Gregor and Cressbrook Creeks. Major flooding continues along the upper Brisbane River from Linville to Gregor Creek with levels now easing slowly.

Creek rises continue in Kilcoy Creek with levels expected to peak overnight.

Weather Forecast:
Rain periods with possible thunder. Moderate to heavy falls possible.

Next Issue:
The next warning will be issued at about 11pm Tuesday.

Latest River Heights:

Stanley R at Peachester #	8.86m falling	04:01 PM TUE 11/01/11
Stanley R at Woodford #	9.24m rising	03:58 PM TUE 11/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	5.68m steady	03:56 PM TUE 11/01/11
Stanley R at Somerset Dam HW #	104.16m rising	04:02 PM TUE 11/01/11
Cooyar Ck at Cooyar Ck #	5.6m falling	04:00 PM TUE 11/01/11
Brisbane R at Linville #	6.12m falling	03:51 PM TUE 11/01/11
Brisbane R at Devon Hills #	7.51m falling	04:02 PM TUE 11/01/11
Emu Ck at Boat Mountain #	6.52m falling	04:01 PM TUE 11/01/11
Maronghi Ck at Glendale *	2.92m steady	02:18 PM TUE 11/01/11
Brisbane R at Gregor Ck #	10.94m falling	04:02 PM TUE 11/01/11
Cressbrook Ck at Rosentreters Br #	6.06m falling	03:54 PM TUE 11/01/11
Esk Ck at Falls Rd *	5.06m rising	02:30 PM TUE 11/01/11
Splityard Creek Dam #	160m falling	03:59 PM TUE 11/01/11
Brisbane R at Wivenhoe Dam HW #	74.59m rising	04:02 PM TUE 11/01/11
Brisbane R at Wivenhoe Dam TW #	26.45m steady	03:59 PM TUE 11/01/11

*,# from automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 11:18 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall in the catchments of the Upper Brisbane and Stanley Rivers have continued to ease, with rainfall totals in the last three hours generally less than 10 millimetres.

Major flooding is now falling in the Stanley River at Woodford, the Brisbane River at Gregor Creek and at Rosentreters on Cressbrook Creek.

River levels in the upper Brisbane and Stanley Rivers will continue to fall overnight.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Stanley R at Peachester #	7.86m steady	10:48 PM TUE 11/01/11
Stanley R at Woodford #	9.08m falling	10:50 PM TUE 11/01/11

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Kilcoy Ck d/s Mt Kilcoy Weir #      5.41m steady   10:51 PM TUE 11/01/11
Cooyar Ck at Cooyar Ck #            4.22m falling  10:42 PM TUE 11/01/11

Brisbane R at Linville #            4.78m falling  10:48 PM TUE 11/01/11
Brisbane R at Devon Hills #         5.85m falling  10:50 PM TUE 11/01/11
Brisbane R at Gregor Ck #           8.04m falling  10:47 PM TUE 11/01/11
Cressbrook Ck at Rosentreters Br #  5.84m rising   10:51 PM TUE 11/01/11

# automatic station


Flood Warnings are also available on telephone 1300 659 219 at a low call cost
of 27.5 cents, more from mobile, public and satellite phones.
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TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 8:55 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has now eased over the catchment.

Moderate flooding continues to ease in the Stanley River at Woodford. Minor to
moderate flooding continues to ease on the Upper Brisbane River between Linville
and Gregor Creek.  Major flooding is easing on Cressbrook Creek at Rosentreters.



River levels will continue to fall during Wednesday.

Next Issue:
The next warning will be issued at about 6pm Wednesday.

Latest River Heights:
Stanley R at Peachester #           4.92m falling   08:34 AM WED 12/01/11
Stanley R at Woodford #             7.22m falling   08:32 AM WED 12/01/11
Stanley R at Woodford #             7.2m falling    08:31 AM WED 12/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #      3.84m steady    08:40 AM WED 12/01/11
Cooyar Ck at Cooyar Ck #            3.14m falling   08:39 AM WED 12/01/11

Brisbane R at Linville #            3.5m falling    08:33 AM WED 12/01/11
Brisbane R at Devon Hills #         4.41m falling   08:36 AM WED 12/01/11
Brisbane R at Gregor Ck #           5.66m falling   08:35 AM WED 12/01/11
Cressbrook Ck at Rosentreters Br #  5.08m falling   08:27 AM WED 12/01/11


Flood Warnings are also available on telephone 1300 659 219 at a low call cost
of 27.5 cents, more from mobile, public and satellite phones.
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TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 5:46 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has now eased over the catchment.

Moderate flooding continues to ease in the Stanley River at Woodford. Minor to moderate flooding continues to ease on the Upper Brisbane River between Linville and Gregor Creek. Moderate flooding is easing on Cressbrook Creek at Rosentreters.

River levels will continue to fall during Wednesday.

Next Issue:
The next warning will be issued at about 9am Thursday.

Latest River Heights:

Stanley R at Peachester #	3.12m	falling	05:10 PM WED 12/01/11
Stanley R at Woodford #	6.1m	falling	05:23 PM WED 12/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	2.97m	steady	05:23 PM WED 12/01/11
Stanley R at Somerset Dam HW #	104.7m	falling	05:17 PM WED 12/01/11
Cooyar Ck at Cooyar Ck #	2.82m	falling	05:00 PM WED 12/01/11
Brisbane R at Linville #	2.96m	falling	05:18 PM WED 12/01/11
Brisbane R at Devon Hills #	3.77m	falling	05:24 PM WED 12/01/11
Emu Ck at Boat Mountain #	3.36m	falling	05:22 PM WED 12/01/11
Maronghi Ck at Glendale *	2.18m	steady	04:00 PM WED 12/01/11
Brisbane R at Gregor Ck #	4.66m	falling	05:23 PM WED 12/01/11
Cressbrook Ck at Rosentreters Br *	4.66m	falling	04:00 PM WED 12/01/11

#,* from automatic station

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM614

IDQ20800

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
Issued at 6:48 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Stanley River at Woodford. Minor flooding continues to ease on the upper Brisbane River between Linville and Devon Hills and at Gregor Creek. Moderate flooding is easing on Cressbrook Creek at Rosentreters.

Stream levels will continue to ease during Thursday.

Weather Forecast:
Mostly fine, a shower or two.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Stanley R at Peachester #	2.28m falling	06:28 AM THU 13/01/11
Stanley R at Woodford #	5.44m falling	06:14 AM THU 13/01/11
Kilcoy Ck d/s Mt Kilcoy Weir #	2.5m steady	06:31 AM THU 13/01/11
Stanley R at Somerset Dam HW #	104.02m falling	06:23 AM THU 13/01/11
Cooyar Ck at Cooyar Ck #	2.5m falling	06:06 AM THU 13/01/11
Brisbane R at Linville #	2.5m falling	06:27 AM THU 13/01/11
Brisbane R at Devon Hills #	3.23m falling	06:16 AM THU 13/01/11
Emu Ck at Boat Mountain #	2.92m falling	06:31 AM THU 13/01/11
Maronghi Ck at Glendale *	2.06m falling	05:00 AM THU 13/01/11
Brisbane R at Gregor Ck #	3.94m falling	06:20 AM THU 13/01/11
Cressbrook Ck at Rosentreters Br #	4m falling	06:30 AM THU 13/01/11
Esk Ck at Falls Rd *	2.52m falling	05:30 AM THU 13/01/11
Splityard Creek Dam #	157.5m steady	06:26 AM THU 13/01/11
Brisbane R at Wivenhoe Dam HW #	74.69m falling	06:34 AM THU 13/01/11

*,# denotes automatic station.

Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(21)"

FLDWARN for Lower Brisbane and Bremer Rs

1 December 2010 to 31 January 2011

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TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 7:29 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Widespread rainfall overnight has resulted in fast stream rises across the
Lockyer, Laidley and Warrill Creek catchments with major flooding currently
easing at Showground Weir on Laidley Creek, and minor flooding on the rise on
Lockyer Creek at Gatton and Churchbank Weir on Warrill Creek, and also at
Rosewood on the Bremer River. Rises and minor flooding are expected to extend
downstream along these creek systems during Sunday.

Rainfall totals of between 30mm to 70mm have been recorded since 9am Saturday,
particularly in the upper Laidley and Tenthill Creek catchments. The rainfall
has become more coastal however at 7am Sunday.

Weather Forecast:
Showers and morning drizzle with the chance of an afternoon thunderstorm.

Next Issue:
The next warning will be issued at about 1pm Sunday.

Latest River Heights:
Lockyer Ck at Helidon #              1.4m falling   06:49 AM SUN 05/12/10
Sandy Creek at Sandy Creek Road #    1.05m steady   04:13 AM SUN 05/12/10
Tenthill Ck at Tenthill *            4.12m rising   02:20 AM SUN 05/12/10
Tenthill Ck at Tenthill #            3.02m falling  07:07 AM SUN 05/12/10
Lockyer Ck at Gatton #               7.44m rising   07:08 AM SUN 05/12/10
Laidley Ck at Mulgowie *             6.7m falling   02:30 AM SUN 05/12/10
Laidley Ck at Showground Weir #      8.16m falling  07:08 AM SUN 05/12/10
Laidley Ck at Warrego Hwy *          2.36m rising   02:00 AM SUN 05/12/10
Lockyer Ck at Glenore Grove #        2.8m steady    07:05 AM SUN 05/12/10
Lockyer Ck at Lyons Br #             2.31m rising   06:50 AM SUN 05/12/10
Lockyer Ck at O'Reilly's Weir #      7.88m steady   04:36 AM SUN 05/12/10
Bremer R at Adams Br *               3.63m falling  02:30 AM SUN 05/12/10
Bremer R at Adams Br #               2.23m falling  07:07 AM SUN 05/12/10
Bremer R at Stokes Crossing #        3.35m falling  07:06 AM SUN 05/12/10
Spring Ck at Greys Plains Rd #       1.09m falling  06:59 AM SUN 05/12/10
Western Ck at Grandchester #         0.88m falling  07:00 AM SUN 05/12/10
Western Ck at Kuss Rd #              5.92m falling  07:06 AM SUN 05/12/10
Western Ck at Rosewood WWTP #        6.95m steady   06:32 AM SUN 05/12/10
Bremer R at Rosewood#                4.61m rising   07:07 AM SUN 05/12/10
Bremer R at Rosewood #               4.66m rising   07:10 AM SUN 05/12/10
Bremer R at Five Mile Br Walloon #   1.28m rising   06:39 AM SUN 05/12/10
Bremer R at Five Mile Br Walloon #   -0.14m steady  06:54 AM SUN 05/12/10
Bremer R at Walloon DERM *           2.37m falling  02:00 AM SUN 05/12/10
Reynolds Ck at Moogerah Dam *        -1.53m steady  07:50 AM SAT 04/12/10
Reynolds Ck at Moogerah Dam #        154.2m rising  07:02 AM SUN 05/12/10
Warrill Ck at Kalbar Weir HW #       75.55m steady  07:00 AM SUN 05/12/10
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Warrill Ck at Harrisville #          4.48m falling  07:00 AM SUN 05/12/10
Warrill Ck at Harrisville#           4.35m steady   06:29 AM SUN 05/12/10
Warrill Ck at Churchbank Weir #      1.41m rising   07:04 AM SUN 05/12/10
Warrill Ck at Greens Rd Amberley #   3.8m rising    07:09 AM SUN 05/12/10
Bremer R at One Mile Br #            5.68m rising   07:08 AM SUN 05/12/10
Bremer R at Hancocks Br Brassall #   1.33m steady   07:11 AM SUN 05/12/10
Bremer R at Ipswich #                0m rising      07:09 AM SUN 05/12/10

*,# denotes automatic stations.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 12:50 PM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

The rainfall has eased during Sunday morning, with creek levels also generally
easing. Some minor to moderate flooding remains on Lockyer Creek at Glenore
Grove, the Warrego Highway on Laidley Creek, Warrill Creek at Harrisville, and
at Rosewood on the Bremer River. River levels downstream through to Ipswich will
remain well below minor flood level during Sunday.

Some minor flooding continues to rise on Lockyer Creek at Glenore Grove, and
minor flooding is peaking on Laidley Creek at the Warrego Highway. Moderate
flooding is also peaking on Warrill Creek at Harrisville, with minor flood
levels continuing to rise downstream at Churchbank Weir.

Moderate flooding has also peaked on the Bremer River at Rosewood, with minor
flood levels continuing to rise downstream at Five Mile Bridge at Walloon. River
levels downstream through to Ipswich will remain well below minor flood level
during Sunday.

Weather Forecast:
Rain easing to showers with the chance of an afternoon thunderstorm.

Next Issue:
The next warning will be issued at about 4pm Sunday.

Latest River Heights:
Lockyer Ck at Helidon #              1.24m falling       12:19 PM SUN 05/12/10
Sandy Creek at Sandy Creek Road #    1.1m rising         10:27 AM SUN 05/12/10
Tenthill Ck at Tenthill #            2.42m falling       12:07 PM SUN 05/12/10
Lockyer Ck at Gatton #               6.72m falling       12:23 PM SUN 05/12/10
Laidley Ck at Mulgowie *             3.23m falling       11:00 AM SUN 05/12/10
Laidley Ck at Showground Weir #      5.54m falling       12:11 PM SUN 05/12/10
Laidley Ck at Warrego Hwy *          5.12m rising        11:00 AM SUN 05/12/10
Lockyer Ck at Glenore Grove #        8.1m rising         12:22 PM SUN 05/12/10
Lockyer Ck at Lyons Br #             2.95m rising        12:23 PM SUN 05/12/10
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Lockyer Ck at Lyons Br #	2.8m rising	12:23 PM SUN 05/12/10
Lockyer Ck at O'Reilly's Weir #	7.9m steady	10:36 AM SUN 05/12/10
Bremer R at Adams Br #	1.83m falling	12:10 PM SUN 05/12/10
Bremer R at Stokes Crossing #	2.4m falling	12:08 PM SUN 05/12/10
Bremer R at Rosewood#	5.01m falling	12:07 PM SUN 05/12/10
Bremer R at Rosewood #	5.02m falling	12:22 PM SUN 05/12/10
Bremer R at Five Mile Br Walloon #	4.76m rising	12:21 PM SUN 05/12/10
Bremer R at Walloon DERM *	3.14m rising	11:30 AM SUN 05/12/10
Warrill Ck at Kalbar Weir HW #	75.33m falling	11:07 AM SUN 05/12/10
Warrill Ck at Harrisville #	4.5m falling	12:18 PM SUN 05/12/10
Warrill Ck at Harrisville#	4.4m rising	12:24 PM SUN 05/12/10
Warrill Ck at Churchbank Weir #	1.87m rising	12:03 PM SUN 05/12/10
Warrill Ck at Greens Rd Amberley #	4.34m rising	12:18 PM SUN 05/12/10
Bremer R at One Mile Br #	6.38m rising	12:14 PM SUN 05/12/10
Bremer R at Hancocks Br Brassall #	2.53m rising	12:08 PM SUN 05/12/10
Bremer R at Ipswich #	2.3m rising	11:53 AM SUN 05/12/10

*,# denotes automatic station.

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public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 3:44 PM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is slowly peaking on the Lockyer and Laidley Creeks. Minor to moderate flooding continues along Warrill Creek between Harrisville and Amberley. Minor flooding also continues along the Bremer River between Rosewood and Walloon, where river levels downstream through to Ipswich will remain well below minor flood level.

Minor flooding nears a peak on Lockyer Creek at Glenore Grove and at the Warrego Highway on Laidley Creek. Minor to moderate flooding continues along Warrill Creek between Harrisville and Churchbank Weir through to Amberley.

Weather Forecast:
Rain easing to showers with the chance of an afternoon thunderstorm.

Next Issue:
The next warning will be issued at about 8pm Sunday.

Latest River Heights:

Lockyer Ck at Gatton #	6.06m falling	03:23 PM SUN 05/12/10
Laidley Ck at Showground Weir #	5.36m falling	03:11 PM SUN 05/12/10
Laidley Ck at Warrego Hwy *	5.18m rising	02:00 PM SUN 05/12/10
Lockyer Ck at Glenore Grove #	8.34m falling	03:21 PM SUN 05/12/10
Lockyer Ck at Lyons Br #	5.61m rising	03:23 PM SUN 05/12/10
Lockyer Ck at O'Reilly's Weir *	7.93m steady	02:00 PM SUN 05/12/10

Bremer R at Adams Br #	1.75m falling	02:37 PM SUN 05/12/10
Bremer R at Stokes Crossing #	2.1m falling	02:59 PM SUN 05/12/10
Bremer R at Rosewood#	4.71m falling	03:18 PM SUN 05/12/10
Bremer R at Five Mile Br Walloon #	5m rising	02:21 PM SUN 05/12/10
Warrill Ck at Harrisville #	3.96m falling	03:24 PM SUN 05/12/10
Warrill Ck at Churchbank Weir #	1.97m rising	02:10 PM SUN 05/12/10
Warrill Ck at Greens Rd Amberley #	4.52m rising	03:21 PM SUN 05/12/10
Bremer R at One Mile Br #	7.18m rising	03:24 PM SUN 05/12/10
Bremer R at Hancocks Br Brassall #	2.23m falling	03:10 PM SUN 05/12/10
Bremer R at Ipswich #	1.3m falling	03:19 PM SUN 05/12/10

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 7:46 PM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Further showers are forecast overnight which are likely to cause some small
renewed rises, however stream levels across the Laidley, Lockyer and Warrill
Creeks and the Bremer River are expected to continue to ease during Sunday
evening. River levels at Ipswich will remain below minor flood level.

Minor flooding is easing at the Warrego Highway on Laidley Creek, and along
Warrill Creek between Harrisville and Churchbank Weir, with minor flood levels
nearing a peak during Sunday evening at Amberley. Minor flood levels are also
easing along the Bremer River between Rosewood and Walloon.

Weather Forecast:
A few showers and a possible thunderstorm.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Lockyer Ck at Gatton #	5.38m falling	07:11 PM SUN 05/12/10
Laidley Ck at Showground Weir #	5.26m steady	05:53 PM SUN 05/12/10
Laidley Ck at Warrego Hwy *	4.98m falling	05:00 PM SUN 05/12/10
Lockyer Ck at Glenore Grove #	7.72m falling	07:15 PM SUN 05/12/10
Lockyer Ck at Lyons Br #	8.57m rising	07:14 PM SUN 05/12/10
Lockyer Ck at O'Reilly's Weir *	7.95m steady	06:00 PM SUN 05/12/10
Bremer R at Adams Br #	1.87m rising	07:07 PM SUN 05/12/10
Bremer R at Stokes Crossing #	1.95m steady	06:53 PM SUN 05/12/10
Bremer R at Rosewood #	4.28m falling	07:07 PM SUN 05/12/10
Bremer R at Five Mile Br Walloon #	4.5m falling	07:15 PM SUN 05/12/10
Warrill Ck at Harrisville #	3.16m falling	07:15 PM SUN 05/12/10
Warrill Ck at Churchbank Weir #	1.82m falling	07:06 PM SUN 05/12/10

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Warrill Ck at Greens Rd Amberley #  4.68m rising        07:12 PM SUN 05/12/10
Bremer R at One Mile Br #           10.23m rising       07:12 PM SUN 05/12/10
Bremer R at Ipswich #               1.85m rising        07:14 PM SUN 05/12/10

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 11:01 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast river level rises are occurring along Lockyer, Western and Warrill Creeks
with some minor to moderate flooding expected overnight and during Monday. Some
minor flooding is occurring along the Bremer River.

LOCKYER CREEK
Fast rises are occurring from Gatton to Rifle Range Road with some minor
flooding forecast. Further forecasts will be made as upstream peaks are
observed.

WARRILL CREEK
Moderate flood levels are rising at Harrisville with minor flooding expected to
rise further at Amberley. Moderate flood levels are unlikely.

BREMER RIVER
Moderate flooding is likely at Kuss Road along Western Creek overnight. At least
minor flood levels are expected at Rosewood WWTP overnight with moderate flood
levels likely tomorrow at Rosewood.



Next Issue:
The next warning will be issued by 8am Monday.

Latest River Heights:
Lockyer Ck at Helidon *             3.97m rising        08:40 PM SUN 19/12/10
Lockyer Ck at Helidon #             3.52m falling       10:57 PM SUN 19/12/10
Flagstone Ck at  Brown-Zirbels Rd * 4.39m falling       08:40 PM SUN 19/12/10
Ma Ma Ck at Harm's *                2.88m falling       08:30 PM SUN 19/12/10
Tenthill Ck at Tenthill *           2.72m falling       09:20 PM SUN 19/12/10
Tenthill Ck at Tenthill #           2.68m rising        10:54 PM SUN 19/12/10
Lockyer Ck at Gatton *              3.67m rising        08:40 PM SUN 19/12/10
Lockyer Ck at Gatton #              7m rising           10:56 PM SUN 19/12/10
Laidley Ck at Laidley               4.05m rising slowly 07:05 AM SUN 19/12/10
Laidley Ck at Showground Weir *     5.75m rising        08:40 PM SUN 19/12/10
Laidley Ck at Showground Weir #     5.8m rising         10:50 PM SUN 19/12/10
Bill Gunn Dam #                     109.88m steady      09:20 PM SUN 19/12/10
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Laidley Ck at Warrego Hwy *          3.34m rising        09:00 PM SUN 19/12/10
Lockyer Ck at Glenore Grove #        5.26m rising        10:58 PM SUN 19/12/10
Lockyer Ck at Lyons Br #             4.47m rising        10:57 PM SUN 19/12/10
Lockyer Ck at Lyons Br #             4.32m rising        10:55 PM SUN 19/12/10
Lockyer Ck at Rifle Range Rd *       3.46m rising        08:40 PM SUN 19/12/10
Atkinson Dam #                       65.73m steady       09:51 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir *      8.29m steady        09:00 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir #      8.28m steady        10:36 PM SUN 19/12/10
Brisbane R at Savages Crossing *     4.8m falling        08:10 PM SUN 19/12/10
Brisbane R at Savages Crossing #     4.81m rising        10:31 PM SUN 19/12/10
Brisbane R at Burtons Br #           3.98m rising        10:51 PM SUN 19/12/10
Cabbage Tree Ck at L Manchester #    51.03m steady       10:56 PM SUN 19/12/10
Brisbane R at Kholo Br #             -2.27m rising       10:46 PM SUN 19/12/10
Brisbane R at Mt Crosby #            8.28m steady        08:51 PM SUN 19/12/10
Brisbane R at Mt Crosby #            8.26m steady        07:59 PM SUN 19/12/10
Brisbane R at Colleges Crossing #    4.51m steady        10:36 PM SUN 19/12/10
Western Ck at Grandchester #         2.23m falling       10:50 PM SUN 19/12/10
Western Ck at Kuss Rd #              6.84m rising        10:42 PM SUN 19/12/10
Western Ck at Rosewood WWTP #        6.95m rising        10:48 PM SUN 19/12/10
Bremer R at Rosewood                 3.3m steady         03:00 PM SUN 19/12/10
Bremer R at Rosewood#                4.76m steady        10:51 PM SUN 19/12/10
Bremer R at Rosewood #               4.8m rising         10:54 PM SUN 19/12/10
Bremer R at Five Mile Br Walloon #   3.44m rising        10:53 PM SUN 19/12/10
Reynolds Ck at Moogerah Dam *        0.59m rising        08:00 PM SUN 19/12/10
Reynolds Ck at Moogerah Dam #        155.52m rising      09:44 PM SUN 19/12/10
Warrill Ck at Toohills Crossing *    1.34m falling       08:40 PM SUN 19/12/10
Warrill Ck at Kalbar Weir HW #       76.03m rising       10:58 PM SUN 19/12/10
Warrill Ck at Kalbar Weir HW *       76.17m falling      08:30 PM SUN 19/12/10
Warrill Ck at Kalbar Weir TW *       5.13m falling       08:40 PM SUN 19/12/10
Warrill Ck at Harrisville #          4.28m steady        10:45 PM SUN 19/12/10
Warrill Ck at Harrisville#           4.1m steady         10:04 PM SUN 19/12/10
Warrill Ck at Churchbank Weir *      1.14m rising        08:30 PM SUN 19/12/10
Warrill Ck at Churchbank Weir #      1.66m rising        10:50 PM SUN 19/12/10
Warrill Ck at Greens Rd Amberley #   4.66m rising        10:48 PM SUN 19/12/10
Warrill Ck at Amberley DNR *         5.02m rising        08:40 PM SUN 19/12/10
PPurga Ck at Peak Crossing #          2.06m rising        10:35 PM SUN 19/12/10
Purga Ck at Loamside #               3.36m steady        10:35 PM SUN 19/12/10
Purga Ck at Loamside *               3.65m rising        08:40 PM SUN 19/12/10
Bremer R at Berry's Lagoon *         16.53m rising       08:30 PM SUN 19/12/10
Bremer R at One Mile

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TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 6:04 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring along Lockyer and Warrill Creeks and
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along the Bremer River during Monday morning, where a minor flood peak is expected at Amberley.

Rainfall totals of between 30mm to 50mm have been recorded since 9am Sunday.

LOCKYER CREEK
Minor flood levels are rising downstream from Gatton through to Glenore Grove, with rises and minor to moderate flooding expected through to Rifle Range Road during Monday morning.

WARRILL CREEK
Moderate flooding has peaked at Harrisville, with the flood peak currently in the Churchbank Weir area. Minor flood levels continue to rise downstream at Amberley, however creek levels are expected to remain below the moderate flood level of 6.5 metres.

BREMER RIVER
Moderate flooding is peaking at Rosewood. Minor flood levels continue to rise downstream through to Walloon, where moderate flooding is likely during Monday morning.

Weather Forecast:
Becoming fine and sunny.

Next Issue:
The next warning will be issued at about midday Monday.

Latest River Heights:

Lockyer Ck at Helidon #	2.24m falling	05:33 AM MON 20/12/10
Tenthill Ck at Tenthill #	2.3m falling	05:30 AM MON 20/12/10
Lockyer Ck at Gatton #	9.58m falling	05:34 AM MON 20/12/10
Laidley Ck at Showground Weir #	5.24m falling	05:35 AM MON 20/12/10
Laidley Ck at Warrego Hwy *	4.67m rising	04:00 AM MON 20/12/10
Lockyer Ck at Glenore Grove #	9.26m rising	05:35 AM MON 20/12/10
Lockyer Ck at Lyons Br #	7.31m rising	05:35 AM MON 20/12/10
Lockyer Ck at Rifle Range Rd *	5.31m rising	02:40 AM MON 20/12/10
Lockyer Ck at O'Reilly's Weir #	8.5m rising	05:29 AM MON 20/12/10
Brisbane R at Savages Crossing #	4.93m rising	04:10 AM MON 20/12/10
Brisbane R at Burtons Br #	4.22m rising	05:18 AM MON 20/12/10
Brisbane R at Mt Crosby #	8.3m steady	04:59 AM MON 20/12/10
Brisbane R at Colleges Crossing #	4.46m steady	04:36 AM MON 20/12/10
Bremer R at Adams Br #	1.91m falling	05:34 AM MON 20/12/10
Bremer R at Stokes Crossing #	2.65m falling	05:30 AM MON 20/12/10
Bremer R at Spressers Br #	3.15m falling	05:01 AM MON 20/12/10
Spring Ck at Greys Plains Rd #	0.89m falling	04:22 AM MON 20/12/10
Western Ck at Grandchester #	1.18m rising	05:35 AM MON 20/12/10
Western Ck at Kuss Rd #	4.94m falling	05:35 AM MON 20/12/10
Western Ck at Rosewood WWTP #	6.75m falling	05:31 AM MON 20/12/10
Bremer R at Rosewood #	5.26m falling	05:27 AM MON 20/12/10
Bremer R at Five Mile Br Walloon #	5.36m rising	05:32 AM MON 20/12/10
Warrill Ck at Toohills Crossing *	1.05m falling	02:20 AM MON 20/12/10
Warrill Ck at Kalbar Weir TW *	3.04m falling	02:40 AM MON 20/12/10
Warrill Ck at Harrisville #	4.6m rising	05:18 AM MON 20/12/10
Warrill Ck at Churchbank Weir #	2.32m rising	04:48 AM MON 20/12/10
Warrill Ck at Greens Rd Amberley #	5.22m rising	05:36 AM MON 20/12/10
Warrill Ck at Amberley DNR *	5.89m rising	02:30 AM MON 20/12/10
Bremer R at One Mile Br #	10.28m rising	05:31 AM MON 20/12/10
Bremer R at Hancocks Br Brassall #	5.48m rising	05:09 AM MON 20/12/10
Bremer R at Ipswich #	2.55m steady	05:29 AM MON 20/12/10
Brisbane R at Moggill #	0.22m steady	04:54 AM MON 20/12/10

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Brisbane R at City Gauge #          0.41m rising        05:34 AM MON 20/12/10
Moreton Bay at Whyte Island #       0.57m rising        05:35 AM MON 20/12/10

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 12:20 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring along Lockyer and Warrill Creeks and
along the Bremer River.


LOCKYER CREEK
Minor flood levels are rising downstream from Gatton through to Glenore Grove,
with rises and minor to moderate flooding expected through to Rifle Range Road
during Monday morning.

WARRILL CREEK
Moderate flooding has peaked at Harrisville, with the flood peak currently in
the Churchbank Weir area. Minor flood levels continue to rise downstream at
Amberley, however creek levels are expected to remain below the moderate flood
level of 6.5 metres.

BREMER RIVER
Moderate flooding is falling at Rosewood. Minor flood levels will continue at
Walloon this afternoon.



Weather Forecast:
Becoming fine and sunny.

Next Issue:
The next warning will be issued at about 5:30pm Monday.

Latest River Heights:
Lockyer Ck at Helidon *             1.72m falling   11:40 AM MON 20/12/10
Lockyer Ck at Helidon #             1.7m falling    11:51 AM MON 20/12/10
Flagstone Ck at  Brown-Zirbels Rd * 2.73m falling   11:40 AM MON 20/12/10
Ma Ma Ck at Harm's *                2.23m steady    11:00 AM MON 20/12/10
Tenthill Ck at Tenthill *           2.13m falling   11:00 AM MON 20/12/10
Tenthill Ck at Tenthill #           2.06m falling   12:12 PM MON 20/12/10
Lockyer Ck at Gatton *              5.45m falling   11:40 AM MON 20/12/10
Lockyer Ck at Gatton #              6.86m falling   12:13 PM MON 20/12/10
Laidley Ck at Showground Weir *     5.1m falling    11:20 AM MON 20/12/10
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Laidley Ck at Showground Weir #     5.12m steady    11:53 AM MON 20/12/10
Bill Gunn Dam #                     109.9m steady   12:06 PM MON 20/12/10
Laidley Ck at Warrego Hwy *         4.74m falling   11:00 AM MON 20/12/10
Lockyer Ck at Glenore Grove #       9.12m falling   12:06 PM MON 20/12/10
Lockyer Ck at Lyons Br #            10.87m rising   12:08 PM MON 20/12/10
Lockyer Ck at Lyons Br #            10.62m rising   12:13 PM MON 20/12/10
Lockyer Ck at Rifle Range Rd *      9.86m rising    11:40 AM MON 20/12/10
Atkinson Dam #                      65.73m steady   11:52 AM MON 20/12/10
Lockyer Ck at O'Reilly's Weir *     8.29m steady    11:00 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir #     9.02m rising    12:06 PM MON 20/12/10
Brisbane R at Savages Crossing *    4.73m falling   11:20 AM MON 20/12/10
Brisbane R at Savages Crossing #    4.67m falling   12:10 PM MON 20/12/10
Brisbane R at Burtons Br #          4.04m falling   11:45 AM MON 20/12/10
Cabbage Tree Ck at L Manchester #   51.21m rising   10:56 AM MON 20/12/10
Brisbane R at Mt Crosby #           8.35m steady    11:18 AM MON 20/12/10
Brisbane R at Mt Crosby #           8.34m steady    10:59 AM MON 20/12/10
Brisbane R at Colleges Crossing #   4.86m rising    11:42 AM MON 20/12/10
Bremer R at Adams Br *              1.7m falling    11:00 AM MON 20/12/10
Bremer R at Adams Br #              1.65m falling   11:52 AM MON 20/12/10
Bremer R at Stokes Crossing #       2m falling      11:37 AM MON 20/12/10
Bremer R at Spressers Br #          2.55m falling   12:03 PM MON 20/12/10
Spring Ck at Greys Plains Rd #      0.79m falling   09:59 AM MON 20/12/10
Western Ck at Grandchester #        0.78m falling   11:42 AM MON 20/12/10
Western Ck at Kuss Rd #             3.58m falling   12:12 PM MON 20/12/10
Western Ck at Rosewood WWTP #       5.3m falling    12:08 PM MON 20/12/10
Bremer R at Rosewood                3.3m steady     03:00 PM SUN 19/12/10
Bremer R at Rosewood#               4.61m falling   12:00 PM MON 20/12/10
Bremer R at Rosewood #              4.62m falling   12:09 PM MON 20/12/10
Bremer R at Five Mile Br Walloon #  5.02m falling   11:59 AM MON 20/12/10
Bremer R at Five Mile Br Walloon #  -0.14m steady   09:53 AM MON 20/12/10
Bremer R at Walloon DERM *          6.34m falling   11:00 AM MON 20/12/10
Warrill Ck at Toohills Crossing *   0.92m falling   10:50 AM MON 20/12/10
Warrill Ck at Kalbar Weir HW #      75.45m falling  12:04 PM MON 20/12/10
Warrill Ck at Kalbar Weir HW *      75.44m falling  11:30 AM MON 20/12/10
Warrill Ck at Kalbar Weir TW *      1.92m falling   11:40 AM MON 20/12/10
Warrill Ck at Harrisville #         4.38m rising    12:12 PM MON 20/12/10
Warrill Ck at Harrisville#          4.2m falling    12:13 PM MON 20/12/10
Warrill Ck at Churchbank Weir *     2.31m rising    11:00 AM MON 20/12/10
Warrill Ck at Churchbank Weir #     2.32m falling   11:53 AM MON 20/12/10
Warrill Ck at Greens Rd Amberley #  5.26m rising    12:09 PM MON 20/12/10
Warrill Ck at Amberley DNR *        6.05m steady    11:00 AM MON 20/12/10
Purga Ck at Peak Crossing #         1.46m falling   12:00 PM MON 20/12/10
Purga Ck at Loamside #              4.12m steady    11:53 AM MON 20/12/10
Purga Ck at Loamside *              4.68m steady    11:30 AM MON 20/12/10
Bremer R at Berry's Lagoon *        20.33m rising   11:30 AM MON 20/12/10
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Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20805

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
Issued at 5:23 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring along Lockyer and Warrill Creeks and along the Bremer River. Minor flooding will occur along the Brisbane River to Mt Crosby overnight and through this week.

LOCKYER CREEK
Minor flooding is occurring through at the Warrego Highway and at Rifle Range Road. Flood levels will fall overnight.

WARRILL CREEK
Minor flooding is continuing at Churchbank Weir and Amberley with levels expected to fall overnight.

BREMER RIVER
Moderate flooding is easing at Rosewood. Minor flood levels will continue at Walloon this evening.

BRISBANE RIVER
SEQ Water advises releases from Wivenhoe Dam will commence this evening. Minor flooding is expected between Wivenhoe Dam and Mt Crosby overnight and continuing through this week.

Weather Forecast:
Fine

Next Issue:
The next warning will be issued at about 11:30am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon *	1.57m	falling	02:30 PM MON 20/12/10
Lockyer Ck at Helidon #	1.48m	falling	04:24 PM MON 20/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.56m	falling	02:40 PM MON 20/12/10
Ma Ma Ck at Harm's *	2.15m	steady	02:30 PM MON 20/12/10
Tenthill Ck at Tenthill *	2.05m	falling	02:00 PM MON 20/12/10
Tenthill Ck at Tenthill #	1.98m	falling	03:45 PM MON 20/12/10
Lockyer Ck at Gatton *	4.73m	falling	02:40 PM MON 20/12/10
Lockyer Ck at Gatton #	5.72m	falling	04:31 PM MON 20/12/10
Laidley Ck at Mulgowie *	2.21m	falling	02:00 PM MON 20/12/10
Laidley Ck at Showground Weir *	5.05m	falling	02:10 PM MON 20/12/10
Laidley Ck at Showground Weir #	5.04m	falling	03:44 PM MON 20/12/10
Bill Gunn Dam #	109.9m	steady	03:57 PM MON 20/12/10
Laidley Ck at Warrego Hwy *	4.63m	falling	02:00 PM MON 20/12/10
Lockyer Ck at Glenore Grove #	7.98m	falling	04:28 PM MON 20/12/10
Lockyer Ck at Lyons Br #	11.39m	rising	04:11 PM MON 20/12/10
Lockyer Ck at Lyons Br #	11.06m	falling	04:22 PM MON 20/12/10
Lockyer Ck at Rifle Range Rd *	10.81m	rising	02:40 PM MON 20/12/10
Atkinson Dam #	65.73m	steady	03:39 PM MON 20/12/10
Lockyer Ck at O'Reilly's Weir *	8.29m	steady	11:00 PM SUN 19/12/10
Lockyer Ck at O'Reilly's Weir #	9.44m	rising	04:28 PM MON 20/12/10
Brisbane R at Savages Crossing *	4.53m	falling	02:30 PM MON 20/12/10
Brisbane R at Savages Crossing #	4.45m	falling	03:52 PM MON 20/12/10
Cabbage Tree Ck at L Manchester #	51.19m	falling	03:53 PM MON 20/12/10
Brisbane R at Kholo Br #	-2.23m	falling	04:30 PM MON 20/12/10
Brisbane R at Mt Crosby #	8.31m	steady	03:30 PM MON 20/12/10
Brisbane R at Mt Crosby #	8.3m	falling	03:04 PM MON 20/12/10

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Brisbane R at Colleges Crossing #   4.61m falling  04:25 PM MON 20/12/10
Bremer R at Adams Br *              1.59m falling  02:20 PM MON 20/12/10
Bremer R at Adams Br #              1.53m falling  04:31 PM MON 20/12/10
Bremer R at Stokes Crossing #       1.75m falling  03:53 PM MON 20/12/10
Bremer R at Spressers Br #          2.05m steady   04:25 PM MON 20/12/10
Spring Ck at Greys Plains Rd #      0.74m steady   03:49 PM MON 20/12/10
Western Ck at Grandchester #        0.58m falling  04:00 PM MON 20/12/10
Western Ck at Kuss Rd #             2.98m falling  04:28 PM MON 20/12/10
Western Ck at Rosewood WWTP #       4.5m falling   04:23 PM MON 20/12/10
Bremer R at Rosewood#               4.21m falling  03:54 PM MON 20/12/10
Bremer R at Rosewood #              4.2m falling   04:24 PM MON 20/12/10
Bremer R at Five Mile Br Walloon #  4.26m falling  04:29 PM MON 20/12/10
Bremer R at Five Mile Br Walloon #  -0.14m steady  03:53 PM MON 20/12/10
Bremer R at Walloon DERM *          5.93m falling  02:00 PM MON 20/12/10
Reynolds Ck at Moogerah Dam *       0.59m falling  01:00 PM MON 20/12/10
Reynolds Ck at Moogerah Dam #       155.46m rising 04:19 PM MON 20/12/10
Warrill Ck at Toohills Crossing *   0.88m falling  02:20 PM MON 20/12/10
Warrill Ck at Kalbar Weir HW #      75.39m falling 04:28 PM MON 20/12/10
Warrill Ck at Kalbar Weir HW *      75.41m falling 01:45 PM MON 20/12/10
Warrill Ck at Kalbar Weir TW *      1.75m falling  02:35 PM MON 20/12/10
Warrill Ck at Harrisville #         3.68m falling  04:21 PM MON 20/12/10
Warrill Ck at Harrisville#          3.6m steady    04:09 PM MON 20/12/10
Warrill Ck at Churchbank Weir *     2.16m falling  02:30 PM MON 20/12/10
Warrill Ck at Churchbank Weir #     2.02m steady   04:28 PM MON 20/12/10
Warrill Ck at Greens Rd Amberley #  5.2m falling   04:27 PM MON 20/12/10
Warrill Ck at Amberley DNR *        6.06m rising   02:00 PM MON 20/12/10
Purga Ck at Peak Crossing #         1.41m steady   02:08 PM MON 20/12/10
Purga Ck at Loamside #              3.86m steady   04:30 PM MON 20/12/10
Purga Ck at Loamside *              4.59m falling  02:40 P

Warnings and River Height Bulletins are available at
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public and satellite phones.
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
Issued at 11:02 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Stream levels have eased below minor flood level overnight along Laidley and
Warrill Creeks and the Bremer River, with some minor flooding continuing to ease
downstream in the Amberley area.

SEQ Water advises releases from Wivenhoe Dam will continue during this week,
with some minor flooding expected along the lower Brisbane River between
Wivenhoe Dam and the Mt Crosby area.


Weather Forecast:
Fine.
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Next Issue:
The next warning will be issued at about 11:30am Wednesday.

Latest River Heights:

Lockyer Ck at Helidon #	1.16m	falling	08:42 AM TUE 21/12/10
Tenthill Ck at Tenthill #	1.78m	falling	09:21 AM TUE 21/12/10
ockyer Ck at Gatton #	3.5m	falling	10:31 AM TUE 21/12/10
Laidley Ck at Mulgowie *	1.83m	steady	09:00 AM TUE 21/12/10
Laidley Ck at Showground Weir #	4.86m	steady	08:53 AM TUE 21/12/10
Laidley Ck at Warrego Hwy *	3.64m	falling	09:00 AM TUE 21/12/10
Lockyer Ck at Glenore Grove #	4.66m	falling	10:27 AM TUE 21/12/10
Lockyer Ck at Lyons Br #	8.45m	falling	10:26 AM TUE 21/12/10
Lockyer Ck at Rifle Range Rd *	9.14m	falling	08:20 AM TUE 21/12/10
Lockyer Ck at O'Reilly's Weir #	10.88m	rising	09:26 AM TUE 21/12/10
Brisbane R at Savages Crossing #	9.65m	rising	10:31 AM TUE 21/12/10
Brisbane R at Burtons Br #	7.52m	rising	10:24 AM TUE 21/12/10
Brisbane R at Kholo Br #	0.07m	rising	10:29 AM TUE 21/12/10
Brisbane R at Mt Crosby #	9.15m	steady	10:30 AM TUE 21/12/10
Brisbane R at Colleges Crossing #	6.11m	rising	10:29 AM TUE 21/12/10
Bremer R at Adams Br #	1.31m	falling	10:25 AM TUE 21/12/10
Bremer R at Stokes Crossing #	1.25m	steady	09:53 AM TUE 21/12/10
Bremer R at Spressers Br #	0.8m	steady	10:25 AM TUE 21/12/10
Spring Ck at Greys Plains Rd #	0.69m	steady	09:50 AM TUE 21/12/10
Western Ck at Grandchester #	0.38m	steady	09:55 AM TUE 21/12/10
Western Ck at Kuss Rd #	1.54m	steady	09:35 AM TUE 21/12/10
Western Ck at Rosewood WWTP #	2.7m	falling	10:02 AM TUE 21/12/10
Bremer R at Rosewood#	3.01m	falling	10:12 AM TUE 21/12/10
Bremer R at Five Mile Br Walloon #	2.9m	steady	10:28 AM TUE 21/12/10
Bremer R at Walloon DERM *	4.02m	falling	08:00 AM TUE 21/12/10
Warrill Ck at Toohills Crossing *	0.8m	rising	06:40 AM TUE 21/12/10
Warrill Ck at Kalbar Weir TW *	1.25m	rising	08:15 AM TUE 21/12/10
Warrill Ck at Harrisville #	2.38m	rising	10:30 AM TUE 21/12/10
Warrill Ck at Churchbank Weir #	0.71m	falling	09:21 AM TUE 21/12/10
Warrill Ck at Greens Rd Amberley #	4m	falling	10:29 AM TUE 21/12/10
Warrill Ck at Amberley DNR *	5.26m	falling	06:10 AM TUE 21/12/10
Bremer R at One Mile Br #	9.03m	falling	10:13 AM TUE 21/12/10
Bremer R at Hancocks Br Brassall #	4.98m	falling	10:11 AM TUE 21/12/10
Bremer R at Ipswich #	3.15m	rising	10:28 AM TUE 21/12/10
Brisbane R at Moggill #	1.97m	rising	10:24 AM TUE 21/12/10
Brisbane R at City Gauge #	1.65m	falling	10:31 AM TUE 21/12/10
Moreton Bay at Whyte Island #	1.31m	falling	10:30 AM TUE 21/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE
RIVERS

Issued at 9:14 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Stream levels have continued to ease overnight and remain below minor flood levels along Laidley and Warrill Creeks and the Bremer River. SEQ Water advises releases from Wivenhoe Dam will continue during this week, with some minor flooding occurring along the lower Brisbane River between Wivenhoe Dam and the Mt Crosby area.

Weather Forecast:
Rain developing.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Lockyer Ck at Helidon #	1m falling	08:51 AM WED 22/12/10
Lockyer Ck at Gatton #	2.76m falling	08:37 AM WED 22/12/10
Laidley Ck at Mulgowie *	1.68m steady	07:00 AM WED 22/12/10
Laidley Ck at Showground Weir #	4.76m steady	08:53 AM WED 22/12/10
Laidley Ck at Warrego Hwy *	1.96m falling	08:00 AM WED 22/12/10
Lockyer Ck at Glenore Grove #	3.26m falling	08:58 AM WED 22/12/10
Lockyer Ck at Lyons Br #	5.11m falling	09:02 AM WED 22/12/10
Lockyer Ck at Rifle Range Rd *	5.2m falling	08:20 AM WED 22/12/10
Lockyer Ck at O'Reilly's Weir #	10.96m falling	08:33 AM WED 22/12/10
Brisbane R at Lowood Pump Stn #	10.15m rising	09:05 AM WED 22/12/10
Brisbane R at Savages Crossing #	10.29m falling	08:55 AM WED 22/12/10
Brisbane R at Burtons Br #	8.54m rising	07:36 AM WED 22/12/10
Brisbane R at Kholo Br #	2.53m rising	09:06 AM WED 22/12/10
Brisbane R at Mt Crosby #	11.15m steady	09:00 AM WED 22/12/10
Brisbane R at Mt Crosby #	8.8m falling	09:01 AM WED 22/12/10
Brisbane R at Colleges Crossing #	8.76m rising	08:17 AM WED 22/12/10
Bremer R at Adams Br #	1.29m rising	09:07 AM WED 22/12/10
Bremer R at Stokes Crossing #	1.1m falling	08:27 AM WED 22/12/10
Bremer R at Spressers Br #	0.1m falling	08:21 AM WED 22/12/10
Western Ck at Grandchester #	0.33m steady	06:56 AM WED 22/12/10
Western Ck at Kuss Rd #	0.98m falling	08:12 AM WED 22/12/10
Western Ck at Rosewood WWTP #	2m steady	06:31 AM WED 22/12/10
Bremer R at Rosewood #	2.18m falling	08:54 AM WED 22/12/10
Bremer R at Five Mile Br Walloon #	1.96m falling	08:38 AM WED 22/12/10
Bremer R at Walloon DERM *	2.88m falling	08:00 AM WED 22/12/10
Bremer R at Three Mile Br #	9.55m falling	08:27 AM WED 22/12/10
Warrill Ck at Toohills Crossing *	0.75m steady	06:00 AM WED 22/12/10
Warrill Ck at Kalbar Weir TW *	0.94m rising	08:15 AM WED 22/12/10
Warrill Ck at Harrisville #	1.52m falling	08:51 AM WED 22/12/10
Warrill Ck at Churchbank Weir #	0.51m steady	07:29 AM WED 22/12/10
Warrill Ck at Greens Rd Amberley #	3.16m falling	08:56 AM WED 22/12/10
Warrill Ck at Amberley DNR *	3.92m falling	08:20 AM WED 22/12/10
Purga Ck at Peak Crossing #	0.81m falling	09:03 AM WED 22/12/10
Purga Ck at Loamside #	1.59m steady	08:44 AM WED 22/12/10
Bremer R at One Mile Br #	6.05m falling	09:08 AM WED 22/12/10
Bremer R at Hancocks Br Brassall #	3.83m falling	07:53 AM WED 22/12/10
Bremer R at Ipswich #	2.15m rising	08:59 AM WED 22/12/10
Brisbane R at Moggill #	2.32m rising	09:05 AM WED 22/12/10
Brisbane R at Jindalee Br	NA	
Brisbane R at City Gauge #	1.5m rising	09:01 AM WED 22/12/10
Moreton Bay at Whyte Island #	1.43m rising	09:04 AM WED 22/12/10

*,# denotes automatic station.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
Issued at 5:19 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of between 50-70mm has been recorded in the Bremer River and Lockyer, Laidley and Warrill Creek catchments since 9am Sunday. River level rises causing moderate to major flooding has been recorded along Laidley and Warrill Creeks and along the Bremer River above Ipswich. Minor to moderate flooding is being recorded along Lockyer Creek downstream to Lyon's Bridge.

Further river level rises are expected within the area during Monday with the Bremer River at Ipswich expected to reach the minor flood level of 8 metres Monday evening. A Severe Weather Warning is current for the region with further rainfall expected during Monday.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach the minor flood level of 8 metres Monday evening.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Lockyer Ck at Helidon *	3.93m falling	02:30 AM MON 27/12/10
Lockyer Ck at Helidon #	3.98m steady	04:39 AM MON 27/12/10
Tenthill Ck at Tenthill #	3.82m rising	04:51 AM MON 27/12/10
Lockyer Ck at Gatton *	9.38m rising	02:40 AM MON 27/12/10
Lockyer Ck at Gatton #	13.7m falling	04:46 AM MON 27/12/10
Laidley Ck at Mulgowie *	5.36m falling	03:00 AM MON 27/12/10
Laidley Ck at Laidley	6.8m rising fast	09:10 PM SUN 26/12/10
Laidley Ck at Showground Weir *	9.19m falling	02:40 AM MON 27/12/10
Laidley Ck at Showground Weir #	8.06m falling	04:50 AM MON 27/12/10
Bill Gunn Dam #	110.03m steady	02:16 AM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.59m rising	03:30 AM MON 27/12/10
Lockyer Ck at Glenore Grove #	11.12m rising	04:51 AM MON 27/12/10
Lockyer Ck at Lyons Br #	10.67m rising	04:49 AM MON 27/12/10
Lockyer Ck at Lyons Br #	10.36m rising	04:52 AM MON 27/12/10
Atkinson Dam #	65.77m steady	03:38 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir *	9.39m steady	03:00 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	9.6m rising	04:49 AM MON 27/12/10
Brisbane R at Lowood Pump Stn #	4.45m falling	04:14 AM MON 27/12/10
Brisbane R at Savages Crossing *	5.42m falling	02:40 AM MON 27/12/10

Brisbane R at Savages Crossing #	5.33m falling	04:39 AM MON 27/12/10
Brisbane R at Burtons Br #	4.74m falling	04:41 AM MON 27/12/10
Cabbage Tree Ck at L Manchester #	51.51m rising	04:16 AM MON 27/12/10
Brisbane R at Kholo Br #	-1.31m rising	04:38 AM MON 27/12/10
Brisbane R at Mt Crosby #	8.66m rising	04:52 AM MON 27/12/10
Brisbane R at Colleges Crossing #	5.36m rising	04:51 AM MON 27/12/10
Bremer R at Adams Br *	3.13m falling	03:10 AM MON 27/12/10
Bremer R at Adams Br #	3.03m rising	04:34 AM MON 27/12/10
Bremer R at Stokes Crossing #	3.75m falling	04:32 AM MON 27/12/10
Bremer R at Spressers Br #	5.87m rising	04:49 AM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.29m falling	04:40 AM MON 27/12/10
Western Ck at Grandchester #	3.03m rising	04:45 AM MON 27/12/10
Western Ck at Kuss Rd #	7.12m falling	04:51 AM MON 27/12/10
Western Ck at Rosewood WWTP #	6.88m falling	03:37 AM MON 27/12/10
Bremer R at Rosewood	4.3m rising	03:00 PM SUN 26/12/10
Bremer R at Rosewood#	6.06m steady	04:51 AM MON 27/12/10
Bremer R at Rosewood #	6.08m rising	03:42 AM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.44m rising	04:49 AM MON 27/12/10
Bremer R at Walloon DERM *	6.65m rising	03:00 AM MON 27/12/10
Bremer R at Three Mile Br #	18.2m rising	04:41 AM MON 27/12/10
Reynolds Ck at Moogerah Dam *	1.01m steady	02:30 AM MON 27/12/10
Reynolds Ck at Moogerah Dam #	155.98m rising	04:15 AM MON 27/12/10
Warrill Ck at Toohills Crossing *	1.9m rising	02:40 AM MON 27/12/10
Warrill Ck at Kalbar Weir HW #	77.93m falling	04:39 AM MON 27/12/10
Warrill Ck at Kalbar Weir HW *	78.29m falling	02:30 AM MON 27/12/10
Warrill Ck at Kalbar Weir TW *	7.95m falling	02:40 AM MON 27/12/10
Warrill Ck at Harrisville #	5.38m rising	03:47 AM MON 27/12/10
Warrill Ck at Harrisville#	5.25m rising	04:22 AM MON 27/12/10
Warrill Ck at Churchbank Weir *	2.78m rising	02:15 AM MON 27/12/10
Warrill Ck at Churchbank Weir #	2.87m rising	04:35 AM MON 27/12/10
Warrill Ck at Greens Rd Amberley #	6.18m rising	04:50 AM MON 27/12/10
Warrill Ck at Amberley DNR *	6.92m rising	02:40 AM MON 27/12/10
Purga Ck at Peak Crossing #	3.31m falling	04:43 AM MON 27/12/10
Purga Ck at Loamside #	6.44m steady	04:50 AM MON 27/12/10
Purga Ck at Loamside *		

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 5:21 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall of between 50-70mm has been recorded in the Bremer
River and Lockyer, Laidley and Warrill Creek catchments since 9am Sunday. River
level rises causing moderate to major flooding has been recorded along Laidley
and Warrill Creeks and along the Bremer River above Ipswich. Minor to moderate
flooding is being recorded along Lockyer Creek downstream to Lyon's Bridge.

Further river level rises are expected within the area during Monday with the Bremer River at Ipswich expected to reach the minor flood level of 8 metres Monday evening. A Severe Weather Warning is current for the region with further rainfall expected during Monday.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach the minor flood level of 8 metres Monday evening.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Lockyer Ck at Helidon *	3.93m falling	02:30 AM MON 27/12/10
Lockyer Ck at Helidon #	4m rising	05:12 AM MON 27/12/10
Flagstone Ck at Brown-Zirbels Rd *	4.34m rising	02:40 AM MON 27/12/10
Sandy Creek at Sandy Creek Road #	NA	
Ma Ma Ck at Harm's *	3m falling	02:00 AM MON 27/12/10
Tenthill Ck at Tenthill *	3.74m falling	04:09 AM MON 27/12/10
Tenthill Ck at Tenthill #	3.88m rising	05:18 AM MON 27/12/10
Lockyer Ck at Gatton *	9.38m rising	02:40 AM MON 27/12/10
Lockyer Ck at Gatton	NA	
Lockyer Ck at Gatton #	13.88m rising	05:19 AM MON 27/12/10
Laidley Ck at Thornton	NA	
Laidley Ck at Mulgowie *	5.46m rising	04:30 AM MON 27/12/10
Laidley Ck at Laidley	6.8m rising fast	09:10 PM SUN 26/12/10
Laidley Ck at Showground Weir *	9.19m falling	02:40 AM MON 27/12/10
Laidley Ck at Showground Weir #	7.74m falling	05:20 AM MON 27/12/10
Bill Gunn Dam #	110.03m steady	05:15 AM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.71m rising	04:00 AM MON 27/12/10
Lake Clarendon Dam #	NA	
Lockyer Ck at Glenore Grove #	11.38m rising	05:17 AM MON 27/12/10
Lockyer Ck at Lyons Br	NA	
Lockyer Ck at Lyons Br #	10.91m rising	05:19 AM MON 27/12/10
Lockyer Ck at Lyons Br #	10.56m rising	05:19 AM MON 27/12/10
Lockyer Ck at Rifle Range Rd *	NA	
Atkinson Dam #	65.77m steady	03:38 AM MON 27/12/10
Buaraba Ck #	NA	
Lockyer Ck at O'Reilly's Weir *	9.53m rising	04:00 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	9.66m rising	05:15 AM MON 27/12/10
Brisbane R at Lowood Pump Stn #	4.45m falling	04:14 AM MON 27/12/10
Brisbane R at Lowood	NA	
Brisbane R at Lowood #	NA	
Brisbane R at Savages Crossing *	5.42m falling	02:40 AM MON 27/12/10
Brisbane R at Savages Crossing #	5.31m falling	05:09 AM MON 27/12/10
Black Snake Ck at Marburg #	NA	
Brisbane R at Burtons Br #	4.72m falling	05:11 AM MON 27/12/10
Cabbage Tree Ck at L Manchester #	51.51m rising	04:16 AM MON 27/12/10
Brisbane R at Kholo Br #	-1.29m rising	04:59 AM MON 27/12/10
Brisbane R at Mt Crosby	NA	
Brisbane R at Mt Crosby *	NA	
Brisbane R at Mt Crosby #	8.68m steady	05:20 AM MON 27/12/10
Brisbane R at Mt Crosby #	8.66m steady	04:59 AM MON 27/12/10
Brisbane R at Colleges Crossing #	5.36m rising	04:51 AM MON 27/12/10
Bremer R at Adams Br *	3.09m falling	04:00 AM MON 27/12/10
Bremer R at Adams Br #	3.05m rising	05:16 AM MON 27/12/10
Bremer R at Stokes Crossing	NA	

Bremer R at Stokes Crossing #	3.65m falling	05:15 AM MON 27/12/10
Bremer R at Spressers Br #	5.82m falling	04:55 AM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.09m falling	05:16 AM MON 27/12/10
Western Ck at Grandchester #	3.13m rising	05:07 AM MON 27/12/10
Western Ck at Kuss Rd	NA	
Western Ck at Kuss Rd #	7.04m falling	05:18 AM MON 27/12/10
Western Ck at Rosewood WWTP #	6.83m falling	04:53 AM MON 27/12/10
Bremer R at Rosewood	4.3m rising	03:00 PM SUN 26/12/10
Bremer R at Rosewood#	6.06m steady	04:51 AM MON 27/12/10
Bremer R at Rosewood #		

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 10:13 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises are causing areas of moderate to major flooding in Laidley, Lockyer and Warrill Creeks and in the Bremer River. A moderate flood peak is expected in the Bremer River at Ipswich later this afternoon.

LAIDLEY AND LOCKYER CREEKS:

The main flood peak in Lockyer Creek is currently in the Glenore Grove area causing moderate flooding. Rises will continue downstream at Lyons Bridge with a major flood peak expected during Monday afternoon.

Moderate to major flooding has generally peaked in Laidley Creek.

BREMER RIVER:

The main peak in the Bremer River is now in the Walloon area with a moderate flood peak of around 10 metres now expected in the Bremer river at the David Trumpy Bridge later this afternoon. Further heavy rainfall is forecast and higher levels are possible.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach 10 metres by 3pm Monday.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 2pm Monday.

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Latest River Heights:
Lockyer Ck at Helidon *             3.99m falling       08:10 AM MON 27/12/10
Lockyer Ck at Gatton *              9.72m rising        08:20 AM MON 27/12/10
Lockyer Ck at Gatton #              13.94m rising       10:01 AM MON 27/12/10
Laidley Ck at Mulgowie *            5.45m falling       08:00 AM MON 27/12/10
Laidley Ck at Laidley               6.5m falling slowly 07:30 AM MON 27/12/10
Laidley Ck at Showground Weir #     7.32m falling       09:59 AM MON 27/12/10
Laidley Ck at Warrego Hwy *         5.96m steady        08:00 AM MON 27/12/10

Lockyer Ck at Glenore Grove #       12.7m rising        09:57 AM MON 27/12/10
Lockyer Ck at Lyons Br #            12.99m rising       09:58 AM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #     10.16m rising       09:49 AM MON 27/12/10

Western Ck at Rosewood WWTP #       6.48m falling       09:55 AM MON 27/12/10
Bremer R at Rosewood#               5.76m falling       09:12 AM MON 27/12/10

Bremer R at Five Mile Br Walloon #  6.98m rising        08:49 AM MON 27/12/10
Bremer R at Walloon DERM *          7.81m rising        08:00 AM MON 27/12/10
Bremer R at Three Mile Br #         20.35m rising       09:56 AM MON 27/12/10

Warrill Ck at Kalbar                8.7m falling slowly 09:00 AM MON 27/12/10
Warrill Ck at Amberley DNR *        7.08m rising        08:00 AM MON 27/12/10

Bremer R at Berry's Lagoon *        22.52m rising       08:15 AM MON 27/12/10
Bremer R at One Mile Br #           14.35m rising       10:02 AM MON 27/12/10
Bremer R at Hancocks Br Brassall #  11.13m rising       10:03 AM MON 27/12/10
Bremer R at Ipswich #               6.75m rising        10:03 AM MON 27/12/10

*,# automatic station


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 2:29 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises are causing areas of moderate to major flooding in Laidley, Lockyer
and Warrill Creeks and in the Bremer River. A moderate flood peak is expected in
the Bremer River at Ipswich during this evening.

LAIDLEY AND LOCKYER CREEKS:

Further rainfall has been recorded since 9am which is producing some renewed
rises in the upper reaches of the catchment. The main flood peak in Lockyer
Creek is now downstream of the Glenore Grove area. Major flood levels will
continue downstream at Lyons Bridge with a peak around 15.2 metres expected
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overnight Monday.

Moderate to major flooding has peaked in Laidley Creek.

BREMER RIVER:

A major flood peak of about 7 metres has been recorded in the Bremer River at the Five Mile Bridge with a moderate flood peak of around 10 metres now expected in the Bremer river at the David Trumpy Bridge during this evening. Further heavy rainfall is forecast and higher levels are possible.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach around 10 metres Monday evening.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 6pm Monday.

Latest River Heights:

Lockyer Ck at Helidon #	4.56m rising	01:30 PM MON 27/12/10
Lockyer Ck at Gatton #	13.7m falling	01:13 PM MON 27/12/10
Laidley Ck at Mulgowie *	5.56m rising	12:00 PM MON 27/12/10
Laidley Ck at Laidley	6.5m falling slowly	07:30 AM MON 27/12/10
Laidley Ck at Showground Weir #	7.2m rising	01:29 PM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.84m falling	12:00 PM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.72m falling	01:24 PM MON 27/12/10
Lockyer Ck at Lyons Br #	13.45m rising	01:22 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.46m steady	01:17 PM MON 27/12/10
Western Ck at Rosewood WWTP #	6.43m rising	01:28 PM MON 27/12/10
Bremer R at Rosewood #	5.5m falling	12:51 PM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.66m steady	01:27 PM MON 27/12/10
Bremer R at Three Mile Br #	20.8m rising	01:26 PM MON 27/12/10
Warrill Ck at Kalbar	8.7m falling slowly	09:00 AM MON 27/12/10
Warrill Ck at Amberley DNR *	7.2m rising	11:40 AM MON 27/12/10
Bremer R at Berry's Lagoon *	23.19m rising	11:30 AM MON 27/12/10
Bremer R at One Mile Br #	14.8m rising	01:13 PM MON 27/12/10
Bremer R at Hancocks Br Brassall #	12.38m rising	01:30 PM MON 27/12/10
Bremer R at Ipswich #	7.75m rising	01:23 PM MON 27/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 5:57 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Monday has caused fast rises and areas of moderate to major flooding in Laidley, Lockyer and Warrill Creeks and in the Bremer River. A moderate flood peak is expected in the Bremer River at Ipswich during this evening.

LAIDLEY AND LOCKYER CREEKS:

Further heavy rainfall during the afternoon has caused renewed rises and moderate to major flooding in the upper reaches of Laidley and Lockyer Creeks. Major flood levels will continue downstream at Lyons Bridge with further rises and a peak around 15.2 metres expected overnight Monday.

WARRILL CREEK:

Fast rises and major flooding is occurring in the Warrill Creek from Kalbar Weir to Amberley.

BREMER RIVER:

A major flood peak of about 7 metres has been recorded in the Bremer River at the Five Mile Bridge with a moderate flood peak of around 10 metres now expected in the Bremer river at the David Trumpy Bridge at Ipswich during this evening.

The heavy rainfall has now cleared the area with only lighter rain expected overnight.

Predicted River Heights/Flows:
Bremer River:

Ipswich Reach around 10 metres Monday evening.

Next Issue:
The next warning will be issued at about 9pm Monday.

Latest River Heights:

Lockyer Ck at Helidon #	5.16m falling	04:45 PM MON 27/12/10
Flagstone Ck at Brown-Zirbels Rd *	7.14m falling	02:40 PM MON 27/12/10
Tenthill Ck at Tenthill #	8.7m rising	04:45 PM MON 27/12/10
Lockyer Ck at Gatton #	14.72m falling	04:34 PM MON 27/12/10
Laidley Ck at Mulgowie *	8.97m rising	03:30 PM MON 27/12/10
Laidley Ck at Laidley	6.6m rising slowly	02:15 PM MON 27/12/10
Laidley Ck at Showground Weir #	8.72m rising	04:47 PM MON 27/12/10
Bill Gunn Dam #	110.07m steady	02:23 PM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.76m falling	03:00 PM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.62m falling	04:42 PM MON 27/12/10
Lockyer Ck at Lyons Br #	13.85m rising	04:40 PM MON 27/12/10
Lockyer Ck at Lyons Br #	11.46m rising	04:46 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir *	10.67m rising	03:00 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.72m rising	04:38 PM MON 27/12/10
Brisbane R at Lowood Pump Stn #	5.45m rising	04:44 PM MON 27/12/10

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Bremer R at Adams Br *              4.43m rising       03:00 PM MON 27/12/10
Bremer R at Adams Br #              4.67m rising       04:43 PM MON 27/12/10
Bremer R at Stokes Crossing #       4.55m rising       04:30 PM MON 27/12/10
Bremer R at Spressers Br #          5.52m steady       04:25 PM MON 27/12/10
Spring Ck at Greys Plains Rd #      2.34m falling      04:46 PM MON 27/12/10
Western Ck at Grandchester #        4.43m falling      04:45 PM MON 27/12/10
Western Ck at Kuss Rd #             7.12m rising       04:42 PM MON 27/12/10
Western Ck at Rosewood WWTP #       6.48m rising       04:19 PM MON 27/12/10
Bremer R at Rosewood                5.4m rising slowly 03:05 PM MON 27/12/10
Bremer R at Rosewood#               5.46m steady       01:51 PM MON 27/12/10
Bremer R at Rosewood #              5.46m rising       04:24 PM MON 27/12/10
Bremer R at Five Mile Br Walloon #  6.28m falling      04:46 PM MON 27/12/10
Bremer R at Walloon DERM *          7.78m falling      03:00 PM MON 27/12/10
Bremer R at Three Mile Br #         20.7m falling      04:26 PM MON 27/12/10

Reynolds Ck at Moogerah Dam *       1.92m rising       02:40 PM MON 27/12/10
Reynolds Ck at Moogerah Dam #       157.08m rising     04:35 PM MON 27/12/10
Warrill Ck at Toohills Crossing *   6.07m rising       02:40 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW #      79.73m rising      04:45 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW *      79.24m rising      02:30 PM MON 27/12/10
Warrill Ck at Kalbar Weir TW *      8.55m rising       02:40 PM MON 27/12/10
Warrill Ck at Kalbar                10m rising fast    03:00 PM MON 27/12/10
Warrill Ck at Harrisville #         5.4m rising        04:35 PM MON 27/12/10
Warrill Ck at Churchbank Weir *     2.97m rising       02:00 PM MON 27/12/10
Warrill Ck at Churchbank Weir #     3.07m steady       04:28 PM MON 27/12/10
Warrill Ck at Greens Rd Amberley #  6.64m falling      04:44 PM MON 27/12/10
Purga Ck at Peak Crossing #         3.16m rising       04:41 PM MON 27/12/10
Purga Ck at Loamside #              5.99m steady       04:39 PM MON 27/12/10
Bremer R at Berry's Lagoon *        23.42m rising      02:30 PM MON 27/12/10
Bremer R at One Mile Br #           14.95m falling     04:21 PM MON 27/12/10
Bremer R at Hancocks Br Brassall #  12.63m steady       04:11 PM MON 27/12/10
Bremer R at Ipswich #               8.45m rising       04:46 PM MON 27/12/10

#, * denotes automatic station.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 9:23 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Laidley, Lockyer and Warrill Creeks
and the Bremer River.  A minor flood peak of 8.5 metres is occurring at Ipswich.


LAIDLEY AND LOCKYER CREEKS:
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Moderate to major flooding continues in the upper reaches of the Laidley and Lockyer Creeks. Major flood levels will continue downstream at Lyons Bridge with further rises and a peak around 15.2 metres expected overnight Monday.

WARRILL CREEK:

Major flooding in Warrill Creek from Kalbar Weir to Amberley will continue overnight then ease during Tuesday.

BREMER RIVER:

Minor flooding is easing in the upper reaches of the Bremer River. Moderate to major flooding continues between Spressers Bridge and Walloon. The Bremer River at Ipswich is now peaking at 8.5 metres and is expected to remain steady overnight and Tuesday.

The heavy rainfall has now cleared the area with only lighter rain expected overnight.

Next Issue:
The next warning will be issued at about 6am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	5.16m falling	04:45 PM MON 27/12/10
Flagstone Ck at Brown-Zirbels Rd *	7.14m falling	02:40 PM MON 27/12/10
Tenthill Ck at Tenthill #	8.7m rising	04:45 PM MON 27/12/10
Lockyer Ck at Gatton #	14.72m falling	04:34 PM MON 27/12/10
Laidley Ck at Mulgowie *	8.97m rising	03:30 PM MON 27/12/10
Laidley Ck at Laidley	6.6m rising slowly	02:15 PM MON 27/12/10
Laidley Ck at Showground Weir #	8.72m rising	04:47 PM MON 27/12/10
Bill Gunn Dam #	110.07m steady	02:23 PM MON 27/12/10
Laidley Ck at Warrego Hwy *	5.76m falling	03:00 PM MON 27/12/10
Lockyer Ck at Glenore Grove #	12.62m falling	04:42 PM MON 27/12/10
Lockyer Ck at Lyons Br #	13.85m rising	04:40 PM MON 27/12/10
Lockyer Ck at Lyons Br #	11.46m rising	04:46 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir *	10.67m rising	03:00 PM MON 27/12/10
Lockyer Ck at O'Reilly's Weir #	10.72m rising	04:38 PM MON 27/12/10
Brisbane R at Lowood Pump Stn #	5.45m rising	04:44 PM MON 27/12/10
Bremer R at Adams Br *	4.43m rising	03:00 PM MON 27/12/10
Bremer R at Adams Br #	4.67m rising	04:43 PM MON 27/12/10
Bremer R at Stokes Crossing #	4.55m rising	04:30 PM MON 27/12/10
Bremer R at Spressers Br #	5.52m steady	04:25 PM MON 27/12/10
Spring Ck at Greys Plains Rd #	2.34m falling	04:46 PM MON 27/12/10
Western Ck at Grandchester #	4.43m falling	04:45 PM MON 27/12/10
Western Ck at Kuss Rd #	7.12m rising	04:42 PM MON 27/12/10
Western Ck at Rosewood WWTP #	6.48m rising	04:19 PM MON 27/12/10
Bremer R at Rosewood	5.4m rising slowly	03:05 PM MON 27/12/10
Bremer R at Rosewood#	5.46m steady	01:51 PM MON 27/12/10
Bremer R at Rosewood #	5.46m rising	04:24 PM MON 27/12/10
Bremer R at Five Mile Br Walloon #	6.28m falling	04:46 PM MON 27/12/10
Bremer R at Walloon DERM *	7.78m falling	03:00 PM MON 27/12/10
Bremer R at Three Mile Br #	20.7m falling	04:26 PM MON 27/12/10
Reynolds Ck at Moogerah Dam *	1.92m rising	02:40 PM MON 27/12/10
Reynolds Ck at Moogerah Dam #	157.08m rising	04:35 PM MON 27/12/10
Warrill Ck at Toohills Crossing *	6.07m rising	02:40 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW #	79.73m rising	04:45 PM MON 27/12/10
Warrill Ck at Kalbar Weir HW *	79.24m rising	02:30 PM MON 27/12/10

Warrill Ck at Kalbar Weir TW *	8.55m rising	02:40 PM MON 27/12/10
Warrill Ck at Kalbar	10m rising fast	03:00 PM MON 27/12/10
Warrill Ck at Harrisville #	5.4m rising	04:35 PM MON 27/12/10
Warrill Ck at Churchbank Weir *	2.97m rising	02:00 PM MON 27/12/10
Warrill Ck at Churchbank Weir #	3.07m steady	04:28 PM MON 27/12/10
Warrill Ck at Greens Rd Amberley #	6.64m falling	04:44 PM MON 27/12/10
Bremer R at Berry's Lagoon *	23.42m rising	02:30 PM MON 27/12/10
Bremer R at One Mile Br #	14.95m falling	04:21 PM MON 27/12/10
Bremer R at Hancocks Br Brassall #	12.63m steady	04:11 PM MON 27/12/10
Bremer R at Ipswich #	8.45m rising	04:46 PM MON 27/12/10

#, * denotes automatic station.

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public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 5:35 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Lockyer and Warrill Creeks and the Bremer River. A minor flood peak of 8.5 metres was recorded at Ipswich during Monday evening with some small further rises expected during Tuesday which will keep Ipswich River levels around the 8 metre mark.

LOCKYER CREEK:

Moderate to major flooding continues in Lockyer Creek. River level rises causing major flooding will continue in the Lyons Bridge area with a peak up to 16 metres expected during Tuesday.

WARRILL CREEK:

Moderate to major flooding is being recorded in Warrill Creek from Kalbar Weir to Amberley. Further small rises are expected during Tuesday morning with river levels expected to commence to ease during Tuesday afternoon.

BREMER RIVER:

Moderate to major flooding continues between Spressers Bridge and Walloon. The Bremer River at Ipswich peaked at 8.5 metres during Monday evening with a smaller second peak expected during Tuesday.

The heavy rainfall has now cleared the area with only lighter rain expected during Tuesday.

Next Issue:
The next warning will be issued at about noon Tuesday.

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Latest River Heights:
Lockyer Ck at Helidon #              2.34m falling      04:48 AM TUE 28/12/10
Flagstone Ck at  Brown-Zirbels Rd * 3.35m falling      02:40 AM TUE 28/12/10
Tenthill Ck at Tenthill #            3.5m falling       04:54 AM TUE 28/12/10
Lockyer Ck at Gatton #              11.54m falling      05:01 AM TUE 28/12/10
Laidley Ck at Mulgowie *             3.91m falling      03:00 AM TUE 28/12/10
Laidley Ck at Laidley                8.8m rising slowly 09:50 PM MON 27/12/10
Laidley Ck at Showground Weir #      5.88m falling      04:56 AM TUE 28/12/10
Bill Gunn Dam #                    110.05m steady       02:15 AM TUE 28/12/10
Laidley Ck at Warrego Hwy *          6.37m steady       03:00 AM TUE 28/12/10

Lockyer Ck at Glenore Grove #       13.22m falling      05:03 AM TUE 28/12/10
Lockyer Ck at Lyons Br #            15.37m rising       04:58 AM TUE 28/12/10
Lockyer Ck at O'Reilly's Weir #     11.34m rising       05:04 AM TUE 28/12/10
Brisbane R at Lowood Pump Stn #      6.73m rising       04:50 AM TUE 28/12/10

Brisbane R at Savages Crossing #     7.01m rising       04:54 AM TUE 28/12/10
Brisbane R at Burtons Br #           5.7m rising        04:56 AM TUE 28/12/10
Brisbane R at Kholo Br #            -0.59m rising       04:42 AM TUE 28/12/10
Brisbane R at Mt Crosby #            8.98m steady       04:59 AM TUE 28/12/10
Brisbane R at Colleges Crossing #    6.26m steady       04:35 AM TUE 28/12/10
Bremer R at Adams Br #               2.03m falling      04:55 AM TUE 28/12/10
Bremer R at Stokes Crossing #        2.65m falling      05:03 AM TUE 28/12/10
Bremer R at Spressers Br #           5.52m falling      05:02 AM TUE 28/12/10
Spring Ck at Greys Plains Rd #       1.19m steady       03:50 AM TUE 28/12/10
Western Ck at Grandchester #         1.23m falling      04:55 AM TUE 28/12/10
Western Ck at Kuss Rd #              4.78m falling      05:02 AM TUE 28/12/10
Western Ck at Rosewood WWTP #        5.98m falling      05:03 AM TUE 28/12/10
Bremer R at Rosewood #               5.5m falling       05:00 AM TUE 28/12/10
Bremer R at Five Mile Br Walloon #   6.76m falling      04:55 AM TUE 28/12/10
Bremer R at Walloon DERM *           7.68m rising       03:00 AM TUE 28/12/10
Bremer R at Three Mile Br #         20.80m rising       04:41 AM TUE 28/12/10

Reynolds Ck at Moogerah Dam #      156.8m falling       04:40 AM TUE 28/12/10
Warrill Ck at Toohills Crossing *    0.83m rising       02:40 AM TUE 28/12/10
Warrill Ck at Kalbar Weir HW #      78.19m falling      05:03 AM TUE 28/12/10
Warrill Ck at Kalbar Weir TW *       8.28m falling      02:20 AM TUE 28/12/10
Warrill Ck at Kalbar                10.6m rising slowly 06:00 PM MON 27/12/10
Warrill Ck at Harrisville #          5.58m steady       05:00 AM TUE 28/12/10
Warrill Ck at Churchbank Weir #      3.32m steady       04:29 AM TUE 28/12/10
Warrill Ck at Greens Rd Amberley #   7.14m rising       04:53 AM TUE 28/12/10
Warrill Ck at Amberley DNR *         8.01m steady       02:40 AM TUE 28/12/10

Bremer R at Berry's Lagoon *        23.14m rising       02:30 AM TUE 28/12/10
Bremer R at One Mile Br #           14.85m steady       05:03 AM TUE 28/12/10
Bremer R at Hancocks Br Brassall # 12.23m rising        04:47 AM TUE 28/12/10
Bremer R at Ipswich #                8.05m rising       04:53 AM TUE 28/12/10

*,# from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
Issued at 12:03 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues in the Lockyer and Warrill Creeks and the Bremer River. A second minor flood peak of 8.5 metres is expected at Ipswich during Tuesday afternoon.

LOCKYER CREEK:

Moderate to major flooding continues in Lockyer Creek. River level rises causing major flooding will continue in the Lyons Bridge area with a peak up to 16 metres expected during Tuesday.

WARRILL CREEK:

Major flooding is being recorded in Warrill Creek from Kalbar Weir to Amberley. Further small rises are expected during Tuesday morning with river levels expected to commence to ease during Tuesday afternoon. Minor flood levels continue to ease in the upper reaches of Warrill Creek between Moogerah Dam and the Junction Weir area.

BREMER RIVER:

Minor to moderate flooding continues between Spressers Bridge and Walloon. The Bremer River at Ipswich continues to slowly rise to a second minor flood peak around the 8.5 metre level during Tuesday.

The heavy rainfall has now cleared the area with only lighter rain is expected during Tuesday.

Next Issue:
The next warning will be issued at about 7pm Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	1.92m falling	11:06 AM TUE 28/12/10
Flagstone Ck at Brown-Zirbels Rd *	3.01m falling	08:10 AM TUE 28/12/10
Tenthill Ck at Tenthill #	3.1m falling	10:57 AM TUE 28/12/10
Lockyer Ck at Gatton #	7.96m steady	11:07 AM TUE 28/12/10
Laidley Ck at Mulgowie *	3.18m falling	09:00 AM TUE 28/12/10
Laidley Ck at Laidley	3.8m falling slowly	08:15 AM TUE 28/12/10
Laidley Ck at Showground Weir #	5.4m falling	11:07 AM TUE 28/12/10
Bill Gunn Dam #	110.03m steady	08:35 AM TUE 28/12/10
Laidley Ck at Warrego Hwy *	5.75m falling	09:00 AM TUE 28/12/10
Lockyer Ck at Glenore Grove #	11.22m falling	11:11 AM TUE 28/12/10
Lockyer Ck at Lyons Br #	15.87m rising	10:58 AM TUE 28/12/10
Lockyer Ck at O'Reilly's Weir #	11.76m falling	11:11 AM TUE 28/12/10
Brisbane R at Lowood Pump Stn #	7.33m rising	11:05 AM TUE 28/12/10
Brisbane R at Savages Crossing #	7.39m falling	11:12 AM TUE 28/12/10
Brisbane R at Burtons Br #	6m rising	10:59 AM TUE 28/12/10
Brisbane R at Kholo Br #	-0.39m rising	10:47 AM TUE 28/12/10
Brisbane R at Mt Crosby #	9.07m steady	11:05 AM TUE 28/12/10
Brisbane R at Colleges Crossing #	6.51m rising	10:44 AM TUE 28/12/10
Bremer R at Adams Br #	1.85m falling	10:31 AM TUE 28/12/10
Bremer R at Stokes Crossing #	2.15m falling	11:03 AM TUE 28/12/10

Bremer R at Spressers Br #	4.87m falling	11:03 AM TUE 28/12/10
Spring Ck at Greys Plains Rd #	1.09m steady	09:50 AM TUE 28/12/10
Western Ck at Grandchester #	0.98m falling	09:58 AM TUE 28/12/10
Western Ck at Kuss Rd #	3.84m falling	11:07 AM TUE 28/12/10
Western Ck at Rosewood WWTP #	4.83m falling	11:10 AM TUE 28/12/10
Bremer R at Rosewood #	4.72m falling	11:06 AM TUE 28/12/10
Bremer R at Five Mile Br Walloon #	5.48m falling	11:10 AM TUE 28/12/10
Bremer R at Walloon DERM *	7.41m falling	09:00 AM TUE 28/12/10
Bremer R at Three Mile Br #	20.55m rising	11:11 AM TUE 28/12/10
Reynolds Ck at Moogerah Dam #	156.58m falling	10:49 AM TUE 28/12/10
Warrill Ck at Toohills Crossing *	0.06m rising	08:20 AM TUE 28/12/10
Warrill Ck at Kalbar Weir HW #	77.01m falling	11:06 AM TUE 28/12/10
Warrill Ck at Kalbar Weir TW *	7.27m falling	08:20 AM TUE 28/12/10
Warrill Ck at Kalbar	8.7m falling slowly	09:30 AM TUE 28/12/10
Warrill Ck at Harrisville #	5.28m steady	11:00 AM TUE 28/12/10
Warrill Ck at Churchbank Weir #	3.12m falling	10:31 AM TUE 28/12/10
Warrill Ck at Greens Rd Amberley #	7.32m rising	11:11 AM TUE 28/12/10
Warrill Ck at Amberley DNR *	8.15m rising	08:20 AM TUE 28/12/10
Purga Ck at Peak Crossing #	1.61m steady	11:08 AM TUE 28/12/10
Purga Ck at Loamside #	5.07m steady	11:13 AM TUE 28/12/10
Purga Ck at Loamside *	6.53m falling	08:20 AM TUE 28/12/10
Bremer R at Berry's Lagoon *	23.49m falling	08:15 AM TUE 28/12/10
Bremer R at One Mile Br #	14.9m falling	11:04 AM TUE 28/12/10
Bremer R at Hancocks Br Brassall #	12.73m rising	11:05 AM TUE 28/12/10
Bremer R at Ipswich #	8.45m falling	11:08 AM TUE 28/12/10

*,# from automatic station

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW WIVENHOE
Issued at 7:52 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is easing along Lockyer and Warrill Creeks. Minor flooding is expected along the Brisbane River between Wivenhoe Dam and Mt Crosby Weir this week.

LOCKYER CREEK:

Major flood levels have peak in the Lyons Bridge area at 16 metres. Levels will now fall overnight and during Wednesday.

WARRILL CREEK:

Major flooding is being recorded in Warrill Creek from Harrisville to Amberley. Creek levels are now falling and are expected to continue to do so overnight. Minor flood levels continue to ease in the upper reaches of Warrill Creek between Moogerah Dam and the Kalbar area.

BREMER RIVER:

Flood levels along the Bremer River are expected to fall below minor flood levels overnight.

BRISBANE RIVER BELOW WIVENHOE
SEQ Water advises that releases have started from Wivenhoe dam. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir into the weekend.

Next Issue:
The next warning will be issued at about 7:30am Wednesday.

Latest River Heights:

Lockyer Ck at Helidon *	1.67m falling	05:40 PM TUE 28/12/10
Lockyer Ck at Helidon #	1.64m falling	06:36 PM TUE 28/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.64m falling	05:20 PM TUE 28/12/10
Ma Ma Ck at Harm's *	2.19m falling	05:10 PM TUE 28/12/10
Tenthill Ck at Tenthill *	2.89m falling	05:00 PM TUE 28/12/10
Tenthill Ck at Tenthill #	2.8m falling	06:39 PM TUE 28/12/10
Lockyer Ck at Gatton *	5.13m falling	05:40 PM TUE 28/12/10
Lockyer Ck at Gatton #	6.62m steady	06:46 PM TUE 28/12/10
Laidley Ck at Mulgowie *	2.7m falling	05:00 PM TUE 28/12/10
Laidley Ck at Laidley	3.8m falling slowly	08:15 AM TUE 28/12/10
Laidley Ck at Showground Weir *	5.22m falling	05:20 PM TUE 28/12/10
Laidley Ck at Showground Weir #	5.2m falling	06:04 PM TUE 28/12/10
Bill Gunn Dam #	110.01m steady	05:17 PM TUE 28/12/10
Laidley Ck at Warrego Hwy *	4.85m falling	05:00 PM TUE 28/12/10
Lockyer Ck at Glenore Grove #	8.46m falling	06:55 PM TUE 28/12/10
Lockyer Ck at Lyons Br #	15.39m falling	06:49 PM TUE 28/12/10
Lockyer Ck at Lyons Br #	12.62m rising	01:01 AM TUE 28/12/10
Lockyer Ck at Rifle Range Rd *	15.71m falling	05:40 PM TUE 28/12/10
Lockyer Ck at O'Reilly's Weir #	12.1m falling	06:54 PM TUE 28/12/10
Brisbane R at Lowood Pump Stn #	8.31m rising	06:50 PM TUE 28/12/10
Brisbane R at Savages Crossing *	7.98m rising	05:30 PM TUE 28/12/10
Brisbane R at Savages Crossing #	8.15m rising	06:51 PM TUE 28/12/10
Brisbane R at Burtons Br #	6.48m rising	06:50 PM TUE 28/12/10
Cabbage Tree Ck at L Manchester #	51.31m falling	06:10 PM TUE 28/12/10
Brisbane R at Kholo Br #	-0.03m rising	06:46 PM TUE 28/12/10
Brisbane R at Mt Crosby #	9.24m falling	06:56 PM TUE 28/12/10
Brisbane R at Mt Crosby #	9.22m rising	06:22 PM TUE 28/12/10
Brisbane R at Colleges Crossing #	6.76m rising	05:07 PM TUE 28/12/10
Bremer R at Adams Br *	1.71m falling	05:00 PM TUE 28/12/10
Bremer R at Adams Br #	1.69m rising	06:52 PM TUE 28/12/10
Bremer R at Stokes Crossing #	1.85m steady	06:52 PM TUE 28/12/10
Bremer R at Spressers Br #	4.07m falling	06:50 PM TUE 28/12/10
Spring Ck at Greys Plains Rd #	0.99m steady	06:50 PM TUE 28/12/10
Western Ck at Grandchester #	0.73m falling	06:29 PM TUE 28/12/10
Western Ck at Kuss Rd #	3.24m falling	06:56 PM TUE 28/12/10
Western Ck at Rosewood WWTP #	3.73m falling	06:37 PM TUE 28/12/10
Bremer R at Rosewood	4m falling	03:00 PM TUE 28/12/10
Bremer R at Rosewood#	4.06m falling	06:34 PM TUE 28/12/10
Bremer R at Rosewood #	4.08m falling	06:42 PM TUE 28/12/10
Bremer R at Five Mile Br Walloon #	3.94m falling	06:52 PM TUE 28/12/10
Bremer R at Walloon DERM *	5.51m falling	05:00 PM TUE 28/12/10
Bremer R at Three Mile Br #	18.3m falling	06:56 PM TUE 28/12/10
Reynolds Ck at Moogerah Dam *	1.48m falling	05:40 PM TUE 28/12/10

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Reynolds Ck at Moogerah Dam #       156.36m falling     06:30 PM TUE 28/12/10
Warrill Ck at Toohills Crossing *   -0.04m falling      05:20 PM TUE 28/12/10
Warrill Ck at Kalbar Weir HW #      76.29m rising       06:45 PM TUE 28/12/10
Warrill Ck at Kalbar Weir HW *      76.33m falling      05:30 PM TUE 28/12/10
Warrill Ck at Kalbar Weir TW *      5.62m falling       05:40 PM TUE 28/12/10
Warrill Ck at Kalbar                7.3m falling slowly 06:00 PM TUE 28/12/10
Warrill Ck at Harrisville #         5.02m falling       06:53 PM TUE 28/12/10
Warrill Ck at Harrisville#          4.9m steady         05:27 PM TUE 28/12/10
Warrill Ck at Churchba

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW
WIVENHOE
Issued at 6:48 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease along Lockyer and Warrill Creeks.
Minor flooding is expected along the Brisbane River between Wivenhoe Dam and Mt
Crosby Weir this week.

LOCKYER CREEK:
Major flooding continues to ease in the Lyons Bridge and Rifle Range areas, with
river levels expected to fall away quickly during Wednesday.

WARRILL CREEK:
Moderate flood levels continue to ease along Warrill Creek between Harrisville
and Amberley.

BREMER RIVER:
River levels along the Bremer River have fallen below minor flood levels
overnight.

BRISBANE RIVER BELOW WIVENHOE:
SEQ Water advises that releases have started from Wivenhoe dam. The releases,
combined with Lockyer Creek flows are expected to result in minor flooding to
develop downstream to Mt Crosby Weir during Wednesday.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 3:30pm Wednesday.

Latest River Heights:
Lockyer Ck at Helidon #             1.4m falling        06:09 AM WED 29/12/10
Flagstone Ck at  Brown-Zirbels Rd * 2.31m falling       05:20 AM WED 29/12/10
Ma Ma Ck at Harm's *                2.06m falling       05:00 AM WED 29/12/10
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Tenthill Ck at Tenthill #	2.54m falling	06:15 AM WED 29/12/10
Lockyer Ck at Gatton #	5.18m falling	06:19 AM WED 29/12/10
Laidley Ck at Mulgowie *	2.32m falling	05:00 AM WED 29/12/10
Laidley Ck at Showground Weir #	5.06m steady	05:54 AM WED 29/12/10
Laidley Ck at Warrego Hwy *	4.39m falling	05:00 AM WED 29/12/10
Lockyer Ck at Glenore Grove #	6.84m falling	06:18 AM WED 29/12/10
Lockyer Ck at Lyons Br #	13.35m falling	06:22 AM WED 29/12/10
Lockyer Ck at Rifle Range Rd *	13.72m falling	05:40 AM WED 29/12/10
Lockyer Ck at O'Reilly's Weir #	12.06m falling	06:26 AM WED 29/12/10
Brisbane R at Lowood Pump Stn #	9.77m rising	06:23 AM WED 29/12/10
Brisbane R at Savages Crossing #	9.75m rising	06:27 AM WED 29/12/10
Brisbane R at Burtons Br #	7.86m rising	06:11 AM WED 29/12/10
Brisbane R at Kholo Br #	1.37m rising	06:26 AM WED 29/12/10
Brisbane R at Mt Crosby #	10.06m rising	06:22 AM WED 29/12/10
Brisbane R at Colleges Crossing #	7.71m rising	06:05 AM WED 29/12/10
Bremer R at Adams Br #	1.55m rising	06:16 AM WED 29/12/10
Bremer R at Stokes Crossing #	1.55m falling	04:54 AM WED 29/12/10
Bremer R at Spressers Br #	3.42m falling	06:11 AM WED 29/12/10
Spring Ck at Greys Plains Rd #	0.94m steady	03:50 AM WED 29/12/10
Western Ck at Grandchester #	0.53m falling	06:23 AM WED 29/12/10
Western Ck at Kuss Rd #	2.32m falling	06:17 AM WED 29/12/10
Western Ck at Rosewood WWTP #	2.78m falling	06:17 AM WED 29/12/10
Bremer R at Rosewood #	3.48m falling	06:15 AM WED 29/12/10
Bremer R at Five Mile Br Walloon #	3.24m falling	06:01 AM WED 29/12/10
Bremer R at Walloon DERM *	4.28m falling	05:00 AM WED 29/12/10
Bremer R at Three Mile Br #	15.75m falling	06:11 AM WED 29/12/10
Warrill Ck at Harrisville#	4.6m steady	06:27 AM WED 29/12/10
Warrill Ck at Churchbank Weir #	2.46m falling	05:37 AM WED 29/12/10
Warrill Ck at Greens Rd Amberley #	5.94m falling	06:23 AM WED 29/12/10
Warrill Ck at Amberley DNR *	6.89m falling	05:40 AM WED 29/12/10
Purga Ck at Peak Crossing #	1.21m steady	05:08 AM WED 29/12/10
Purga Ck at Loamside #	2.74m steady	06:19 AM WED 29/12/10
Bremer R at Berry's Lagoon *	20.17m falling	05:30 AM WED 29/12/10
Bremer R at One Mile Br #	11.3m falling	06:22 AM WED 29/12/10
Bremer R at Hancocks Br Brassall #	8.23m falling	06:18 AM WED 29/12/10
Bremer R at Ipswich #	4.7m falling	06:15 AM WED 29/12/10
Brisbane R at Moggill #	2.82m rising	05:41 AM WED 29/12/10
Brisbane R at Jindalee Br	NA	
Brisbane R at City Gauge #	0.86m falling	06:25 AM WED 29/12/10
Moreton Bay at Whyte Island #	0.59m falling	06:25 AM WED 29/12/10

*,# denotes automatic station.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE
Issued at 2:38 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease along Lockyer and Warrill Creeks. Minor flooding is expected along the Brisbane River between Wivenhoe Dam and Mt Crosby Weir this week.

LOCKYER CREEK:
Moderate flooding continues to ease in the Lyons Bridge and Rifle Range areas, with river levels expected to fall away quickly during Wednesday.

WARRILL CREEK:
Moderate flood levels continue to ease along Warrill Creek between Harrisville and Amberley.

BRISBANE RIVER BELOW WIVENHOE:
SEQ Water advises that releases have started from Wivenhoe dam. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir during Wednesday.

Next Issue:
The next warning will be issued at about 7:30am Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	1.34m steady	11:20 AM WED 29/12/10
Lockyer Ck at Helidon #	1.3m steady	01:39 PM WED 29/12/10
Flagstone Ck at Brown-Zirbels Rd *	2.2m falling	11:30 AM WED 29/12/10
Ma Ma Ck at Harm's *	2.03m steady	08:00 AM WED 29/12/10
Tenthill Ck at Tenthill *	2.48m falling	12:00 PM WED 29/12/10
Tenthill Ck at Tenthill #	2.4m falling	02:12 PM WED 29/12/10
Lockyer Ck at Gatton *	3.78m falling	11:30 AM WED 29/12/10
Lockyer Ck at Gatton #	4.9m rising	02:31 PM WED 29/12/10
Laidley Ck at Mulgowie *	2.18m falling	01:00 PM WED 29/12/10
Laidley Ck at Showground Weir *	5.02m falling	11:40 AM WED 29/12/10
Laidley Ck at Showground Weir #	5.04m steady	11:53 AM WED 29/12/10
Bill Gunn Dam #	109.97m steady	02:16 PM WED 29/12/10
Laidley Ck at Warrego Hwy *	4.18m falling	01:00 PM WED 29/12/10
Lockyer Ck at Glenore Grove #	6.12m falling	02:22 PM WED 29/12/10
Lockyer Ck at Lyons Br #	11.59m falling	02:31 PM WED 29/12/10
Lockyer Ck at Rifle Range Rd *	12.42m falling	11:40 AM WED 29/12/10
Atkinson Dam #	65.76m steady	02:22 PM WED 29/12/10
Lockyer Ck at O'Reilly's Weir *	11.69m falling	12:10 PM WED 29/12/10
Lockyer Ck at O'Reilly's Weir #	11.46m falling	02:30 PM WED 29/12/10
Brisbane R at Lowood Pump Stn #	9.79m rising	02:26 PM WED 29/12/10
Brisbane R at Savages Crossing *	9.95m rising	11:30 AM WED 29/12/10
Brisbane R at Savages Crossing #	9.89m falling	02:27 PM WED 29/12/10
Brisbane R at Burtons Br #	8.02m rising	01:47 PM WED 29/12/10
Cabbage Tree Ck at L Manchester #	51.17m falling	02:06 PM WED 29/12/10
Brisbane R at Kholo Br #	2.03m rising	02:17 PM WED 29/12/10
Brisbane R at Mt Crosby #	10.71m steady	02:32 PM WED 29/12/10
Brisbane R at Mt Crosby #	10.68m rising	02:22 PM WED 29/12/10
Brisbane R at Colleges Crossing #	8.46m rising	02:09 PM WED 29/12/10
Bremer R at Adams Br *	1.52m steady	12:00 PM WED 29/12/10
Bremer R at Adams Br #	1.49m steady	12:58 PM WED 29/12/10
Bremer R at Stokes Crossing #	1.4m falling	02:05 PM WED 29/12/10
Bremer R at Spressers Br #	3.07m falling	02:24 PM WED 29/12/10
Spring Ck at Greys Plains Rd #	0.89m steady	12:49 PM WED 29/12/10
Western Ck at Grandchester #	0.48m steady	12:55 PM WED 29/12/10
Western Ck at Kuss Rd #	2.04m falling	02:09 PM WED 29/12/10
Western Ck at Rosewood WWTP #	2.38m falling	01:51 PM WED 29/12/10
Bremer R at Rosewood	4m falling	03:00 PM TUE 28/12/10
Bremer R at Rosewood#	3.16m steady	01:51 PM WED 29/12/10
Bremer R at Rosewood #	3.16m steady	02:27 PM WED 29/12/10
Bremer R at Five Mile Br Walloon #	2.92m falling	02:02 PM WED 29/12/10

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Bremer R at Walloon DERM *          3.95m falling   12:00 PM WED 29/12/10
Bremer R at Three Mile Br #         14.5m steady    02:25 PM WED 29/12/10
Warrill Ck at Harrisville #         4.42m falling   02:29 PM WED 29/12/10
Warrill Ck at Harrisville#          4.3m falling    02:03 PM WED 29/12/10
Warrill Ck at Churchbank Weir *     2.3m falling    11:00 AM WED 29/12/10
Warrill Ck at Churchbank Weir #     2.27m steady    01:28 PM WED 29/12/10
Warrill Ck at Greens Rd Amberley #  5.46m falling   02:32 PM WED 29/12/10
Warrill Ck at Amberley DNR *        6.5m falling    11:30 AM WED 29/12/10
Bremer R at Berry's Lagoon *        19.4m falling   11:30 AM WED 29/12/10
Bremer R at One Mile Br #           10.25m falling  02:25 PM WED 29/12/10
Bremer R at Hancocks Br Brassall #  6.98m falling   02:10 PM WED 29/12/10
Bremer R at Ipswich #               3.85m falling   02:28 PM WED 29/12/10
Brisbane R at Moggill #             2.67m rising    02:10 PM WED 29/12/10
Brisbane R at Moggill #             2.62m steady    01:17 PM WED 29/12/10
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM
Issued at 6:10 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along Warrill Creek. Minor flooding is expected
to continue along the lower Brisbane River between Wivenhoe Dam and Mt Crosby
Weir during this week.

WARRILL CREEK:
Minor flooding continues to ease along Warrill Creek between Harrisville and
Amberley.

BRISBANE RIVER BELOW WIVENHOE:
SEQ Water advises that releases will continue from Wivenhoe dam until the
weekend. The releases, combined with Lockyer Creek flows are expected to result
in minor flooding downstream to Mt Crosby Weir during the remainder of this
week.

Next Issue:
The next warning will be issued at about 3:30pm Thursday.

Latest River Heights:
Lockyer Ck at Helidon *             1.17m falling     05:00 AM THU 30/12/10
Tenthill Ck at Tenthill #           2.24m steady      04:48 AM THU 30/12/10
Lockyer Ck at Gatton #              4.28m rising      05:52 AM THU 30/12/10
Laidley Ck at Mulgowie *            2m steady         04:00 AM THU 30/12/10
Laidley Ck at Showground Weir #     4.9m steady       05:53 AM THU 30/12/10
Laidley Ck at Warrego Hwy *         3.5m falling      05:00 AM THU 30/12/10
Lockyer Ck at Glenore Grove #       5.08m falling     05:49 AM THU 30/12/10
Lockyer Ck at Lyons Br #            8.95m falling     05:31 AM THU 30/12/10
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Lockyer Ck at Rifle Range Rd *	8.99m falling	05:40 AM THU 30/12/10
Lockyer Ck at O'Reilly's Weir #	11.78m falling	05:48 AM THU 30/12/10
Brisbane R at Lowood Pump Stn #	10.77m steady	05:55 AM THU 30/12/10
Brisbane R at Savages Crossing #	10.71m rising	05:54 AM THU 30/12/10
Brisbane R at Burtons Br #	8.6m rising	05:50 AM THU 30/12/10
Brisbane R at Kholo Br #	2.55m falling	05:53 AM THU 30/12/10
Brisbane R at Mt Crosby #	11.08m rising	05:37 AM THU 30/12/10
Brisbane R at Colleges Crossing #	8.86m rising	05:01 AM THU 30/12/10
Bremer R at Adams Br #	1.37m falling	05:46 AM THU 30/12/10
Bremer R at Stokes Crossing #	1.3m steady	03:52 AM THU 30/12/10
Bremer R at Spressers Br #	2.72m falling	04:36 AM THU 30/12/10
Western Ck at Grandchester #	0.43m steady	03:55 AM THU 30/12/10
Western Ck at Kuss Rd #	1.62m falling	05:52 AM THU 30/12/10
Western Ck at Rosewood WWTP #	1.83m falling	05:10 AM THU 30/12/10
Bremer R at Rosewood#	2.71m falling	05:24 AM THU 30/12/10
Bremer R at Five Mile Br Walloon #	2.42m falling	05:52 AM THU 30/12/10
Bremer R at Walloon DERM *	3.28m falling	05:00 AM THU 30/12/10
Bremer R at Three Mile Br #	12.95m falling	05:10 AM THU 30/12/10
Warrill Ck at Kalbar Weir TW *	2.52m falling	05:15 AM THU 30/12/10
Warrill Ck at Harrisville #	3.42m falling	05:50 AM THU 30/12/10
Warrill Ck at Churchbank Weir #	1.57m falling	05:18 AM THU 30/12/10
Warrill Ck at Greens Rd Amberley #	4.92m rising	05:53 AM THU 30/12/10
Warrill Ck at Amberley DNR *	5.73m falling	05:30 AM THU 30/12/10
Purga Ck at Peak Crossing #	0.96m steady	05:08 AM THU 30/12/10
Purga Ck at Loamside #	1.83m steady	05:48 AM THU 30/12/10
Bremer R at One Mile Br #	8.8m falling	05:42 AM THU 30/12/10
Bremer R at Hancocks Br Brassall #	5.58m falling	05:39 AM THU 30/12/10
Bremer R at Ipswich #	3.1m rising	05:29 AM THU 30/12/10
Brisbane R at Moggill #	2.87m rising	05:46 AM THU 30/12/10
Brisbane R at City Gauge *	1.23m steady	05:40 AM THU 30/12/10
Moreton Bay at Whyte Island #	1.09m falling	05:50 AM THU 30/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM
Issued at 3:06 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along Warrill Creek. Minor flooding is expected
to continue along the lower Brisbane River between Wivenhoe Dam and Mt Crosby
Weir during this week.

SEQ Water advises that releases will continue from Wivenhoe dam until the
weekend. The releases, combined with Lockyer Creek flows are expected to result
in minor flooding downstream to Mt Crosby Weir during the remainder of this
week.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Brisbane R at Lowood Pump Stn #	10.63m rising	02:50 PM THU 30/12/10
Brisbane R at Savages Crossing #	10.73m falling	02:48 PM THU 30/12/10
Brisbane R at Burtons Br #	8.74m falling	02:47 PM THU 30/12/10
Brisbane R at Kholo Br #	3.03m steady	02:40 PM THU 30/12/10
Brisbane R at Mt Crosby #	11.48m falling	02:49 PM THU 30/12/10
Brisbane R at Colleges Crossing #	9.41m rising	02:48 PM THU 30/12/10
Bremer R at Adams Br #	1.33m falling	02:28 PM THU 30/12/10
Bremer R at Stokes Crossing #	1.25m steady	12:52 PM THU 30/12/10
Bremer R at Spressers Br #	2.52m falling	01:37 PM THU 30/12/10
Bremer R at Rosewood #	2.5m steady	02:27 PM THU 30/12/10
Bremer R at Five Mile Br Walloon #	2.2m falling	02:34 PM THU 30/12/10
Bremer R at Walloon DERM *	3.08m falling	01:00 PM THU 30/12/10
Bremer R at Three Mile Br #	12.05m falling	02:26 PM THU 30/12/10
Warrill Ck at Kalbar Weir HW #	75.51m falling	02:09 PM THU 30/12/10
Warrill Ck at Kalbar Weir TW *	2.14m falling	02:40 PM THU 30/12/10
Warrill Ck at Harrisville #	2.84m falling	02:32 PM THU 30/12/10
Warrill Ck at Churchbank Weir #	1.07m falling	02:44 PM THU 30/12/10
Warrill Ck at Greens Rd Amberley #	4.46m falling	02:47 PM THU 30/12/10
Warrill Ck at Amberley DNR *	5.33m falling	02:30 PM THU 30/12/10
Bremer R at Berry's Lagoon *	17.33m falling	02:30 PM THU 30/12/10
Bremer R at One Mile Br #	8.1m falling	02:20 PM THU 30/12/10
Bremer R at Hancocks Br Brassall #	5.18m falling	02:48 PM THU 30/12/10
Bremer R at Ipswich #	3.2m falling	02:33 PM THU 30/12/10
Brisbane R at Moggill #	2.87m falling	01:51 PM THU 30/12/10
Brisbane R at City Gauge #	0.65m rising	02:49 PM THU 30/12/10
Moreton Bay at Whyte Island #	0.61m rising	02:48 PM THU 30/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 10:47 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during this morning is expected to lead to lead to fast rises in
the Lockyer and Warrill creek catchments and along the Bremer River with some
moderate flood levels predicted today and during Friday. Further rises are
likely while rainfall continues.

LOCKYER CREEK
Rainfall of up to 50mm in the 3 hours to 10am has resulted in fast rises in the

Lockyer Creek catchment. Minor flood levels are likely at Gatton and Laidley later today with moderate flood levels downstream at Rifle Range Rd early on Friday. Higher levels are likely as rainfall continues.

WARRILL CREEK
Fast rises are likely along Warrill Creek following rainfall this morning. At least minor flood levels are predicted later today at Harrisville and Amberley with further rises as rainfall continues.

BREMER RIVER
Some minor to moderate flood levels are likely along the Bremer River during today and Friday.

Next Issue:
The next warning will be issued by 2pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	1.25m	steady	08:00 AM THU 06/01/11
Lockyer Ck at Helidon #	2.24m	rising	10:11 AM THU 06/01/11
Flagstone Ck at Brown-Zirbels Rd *	2.48m	falling	08:00 AM THU 06/01/11
Tenthill Ck at Tenthill *	2.14m	steady	08:28 AM THU 06/01/11
Lockyer Ck at Gatton *	3.44m	rising	08:10 AM THU 06/01/11
Lockyer Ck at Gatton #	5.14m	rising	10:13 AM THU 06/01/11
Laidley Ck at Mulgowie *	2.54m	falling	08:00 AM THU 06/01/11
Laidley Ck at Showground Weir *	4.87m	rising	08:20 AM THU 06/01/11
Laidley Ck at Showground Weir #	5.16m	rising	10:01 AM THU 06/01/11
Bill Gunn Dam #	109.9m	steady	08:14 AM THU 06/01/11
Laidley Ck at Warrego Hwy *	2.28m	rising	08:00 AM THU 06/01/11
Lockyer Ck at Glenore Grove #	5.18m	rising	10:14 AM THU 06/01/11
Lockyer Ck at Lyons Br #	5.45m	falling	10:15 AM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	5.02m	falling	08:00 AM THU 06/01/11
Atkinson Dam #	65.75m	steady	10:06 AM THU 06/01/11
Lockyer Ck at O'Reilly's Weir *	9.22m	rising	08:00 AM THU 06/01/11
Lockyer Ck at O'Reilly's Weir #	9.14m	falling	10:09 AM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 2:27 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall is continuing to cause fast river level rises in the Lockyer and Warrill creek catchments and along the Bremer River. Some moderate to major flood levels are predicted for later today and during Friday. Further rises are

likely while rainfall continues.

LOCKYER CREEK
Rainfall of up to 60mm in the 6 hours to 2pm has resulted in fast rises along Lockyer Creek at Helidon and along Tenthill Creek. Minor, possibly moderate flood levels are likely at Gatton later today. Rises are also occurring along Laidley Creek with major flood levels at Mulgowie above the Laidley Creek Bridge. Major flood levels of above 7 metres are at forecast at Laidley this evening.

Downstream at Lyons Bridge, moderate flood levels are likely during Friday with major flood levels of 13 metres possible.

WARRILL CREEK
Fast rises are likely along Warrill Creek at Kalbar following rainfall this morning. At least minor flood levels are predicted later today at Harrisville and Amberley with further rises as rainfall continues.

BREMER RIVER
Minor flood levels are being observed at Adams Bridge. Minor to moderate flood levels are forecast downstream to Walloon over the next 24 hours.

Next Issue:
The next warning will be issued by 6pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon #	4.36m falling	01:47 PM THU 06/01/11
Flagstone Ck at Brown-Zirbels Rd *	5.88m falling	12:40 PM THU 06/01/11
Tenthill Ck at Tenthill *	3.28m rising	12:20 PM THU 06/01/11
Lockyer Ck at Gatton #	6.06m falling	01:46 PM THU 06/01/11
Laidley Ck at Mulgowie *	5.57m rising	12:30 PM THU 06/01/11
Laidley Ck at Showground Weir #	5.68m rising	01:49 PM THU 06/01/11
Bill Gunn Dam #	109.94m steady	01:14 PM THU 06/01/11
Laidley Ck at Warrego Hwy *	2.52m rising	12:00 PM THU 06/01/11
Lockyer Ck at Glenore Grove #	5.68m rising	01:47 PM THU 06/01/11
Lockyer Ck at Lyons Br #	6.49m rising	01:45 PM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	5.02m falling	08:00 AM THU 06/01/11
Atkinson Dam #	65.76m steady	12:48 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir *	9.07m steady	12:19 PM THU 06/01/11
Bremer R at Adams Br #	4.41m rising	01:49 PM THU 06/01/11
Bremer R at Stokes Crossing #	3.15m rising	01:48 PM THU 06/01/11
Bremer R at Spressers Br #	3.82m falling	01:37 PM THU 06/01/11
Spring Ck at Greys Plains Rd #	2.39m falling	01:47 PM THU 06/01/11
Western Ck at Grandchester #	3.38m rising	01:36 PM THU 06/01/11
Western Ck at Kuss Rd #	4m rising	01:47 PM THU 06/01/11
Western Ck at Rosewood WWTP #	3.88m rising	01:50 PM THU 06/01/11
Bremer R at Rosewood#	3.86m falling	12:31 PM THU 06/01/11
Bremer R at Walloon DERM *	3.91m rising	10:40 AM THU 06/01/11
Bremer R at Three Mile Br #	10.8m rising	01:41 PM THU 06/01/11
Reynolds Ck at Moogerah Dam *	0.35m rising	08:00 AM THU 06/01/11
Warrill Ck at Toohills Crossing *	0.3m rising	08:20 AM THU 06/01/11
Warrill Ck at Kalbar Weir HW #	76.85m rising	01:48 PM THU 06/01/11
Warrill Ck at Harrisville #	1.28m rising	01:44 PM THU 06/01/11
Warrill Ck at Churchbank Weir *	0.32m steady	06:00 AM THU 06/01/11
Warrill Ck at Greens Rd Amberley #	2.36m rising	01:44 PM THU 06/01/11
Warrill Ck at Amberley DNR *	3.42m falling	08:20 AM THU 06/01/11

*automatic station

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 5:25 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall is continuing to cause fast river level rises in the Lockyer and Warrill creek catchments and along the Bremer River. Some moderate to major flood levels are occurring.

LOCKYER CREEK
Heavy rainfall during Thursday has resulted in fast rises along Lockyer Creek and Tenthill Creek. Moderate flood levels are occurring at Gatton. Rises are also occurring along Laidley Creek with major flood levels at Mulgowie and Showground Weir.

Downstream at Glenore Grove, major flood levels are likely overnight and during Friday at Lyons Bridge.

WARRILL CREEK
Fast rises with moderate flooding are occurring along Warrill Creek at Kalbar following rainfall this morning. Moderate flood levels are predicted later today at Harrisville and minor flood levels predicted at Amberley.

BREMER RIVER
Minor flood levels are being observed at Adams Bridge with moderate flood levels at Kuss Road. Minor to moderate flood levels are forecast downstream to Walloon over the next 24 hours.

Next Issue:
The next warning will be issued by 10pm Thursday.

Latest River Heights:

Lockyer Ck at Helidon *	4.31m rising	02:30 PM THU 06/01/11
Tenthill Ck at Tenthill *	3.66m rising	04:00 PM THU 06/01/11
Lockyer Ck at Gatton #	13.34m rising	05:10 PM THU 06/01/11
Laidley Ck at Mulgowie *	6.2m falling	04:20 PM THU 06/01/11
Laidley Ck at Laidley	5.8m rising fast	02:25 PM THU 06/01/11
Laidley Ck at Showground Weir #	9.26m rising	05:10 PM THU 06/01/11
Bill Gunn Dam #	109.94m steady	04:15 PM THU 06/01/11
Laidley Ck at Warrego Hwy *	3.42m rising	04:00 PM THU 06/01/11
Lockyer Ck at Glenore Grove #	8.36m rising	05:11 PM THU 06/01/11
Lockyer Ck at Lyons Br #	7.35m rising	05:06 PM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	6.06m rising	02:20 PM THU 06/01/11
Atkinson Dam #	65.77m steady	03:37 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir #	9m rising	04:56 PM THU 06/01/11
Bremer R at Adams Br #	3.79m falling	05:10 PM THU 06/01/11
Bremer R at Stokes Crossing #	4.45m rising	04:47 PM THU 06/01/11
Bremer R at Spressers Br #	4.07m rising	05:05 PM THU 06/01/11

Spring Ck at Greys Plains Rd #	1.69m falling	05:02 PM THU 06/01/11
Western Ck at Grandchester #	3.08m rising	04:23 PM THU 06/01/11
Western Ck at Kuss Rd #	7m rising	05:09 PM THU 06/01/11
Western Ck at Rosewood WWTP #	5.53m rising	05:08 PM THU 06/01/11
Bremer R at Rosewood#	4.11m rising	05:01 PM THU 06/01/11
Bremer R at Rosewood #	4.14m rising	05:05 PM THU 06/01/11
Bremer R at Five Mile Br Walloon #	3.36m steady	04:26 PM THU 06/01/11
Bremer R at Walloon DERM *	4.32m steady	04:00 PM THU 06/01/11
Bremer R at Three Mile Br #	11.6m rising	05:10 PM THU 06/01/11
Reynolds Ck at Moogerah Dam *	0.35m rising	08:00 AM THU 06/01/11
Warrill Ck at Toohills Crossing *	0.3m rising	08:20 AM THU 06/01/11
Warrill Ck at Kalbar Weir HW #	77.07m falling	05:09 PM THU 06/01/11
Warrill Ck at Kalbar Weir TW *	0.76m steady	07:05 AM THU 06/01/11
Warrill Ck at Kalbar	7.5m rising	03:00 PM THU 06/01/11
Warrill Ck at Harrisville #	3.06m rising	05:08 PM THU 06/01/11
Warrill Ck at Churchbank Weir #	0.62m rising	05:11 PM THU 06/01/11
Warrill Ck at Greens Rd Amberley #	2.42m falling	05:08 PM THU 06/01/11
Warrill Ck at Amberley DNR *	3.1m steady	02:10 PM THU 06/01/11

*automatic station

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 9:32 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has eased during Thursday evening with totals of less then 5mm recorded
in the 3 hours to 9:30pm. Moderate and major flooding continues in Lockyer and
Laidley Creeks and in the Bremer River, with minor to moderate flooding
occurring in Warrill Creek.

LOCKYER CREEK
Minor to moderate flooding has peaked in Lockyer Creek between Helidon and
Showground Weir, with moderate flood levels currently easing at Gatton. Major
flood levels continue to rise in Laidley Creek at Laidley.

Moderate flooding continues to rise in Lockyer Creek at Glenore Grove, with
moderate flood levels also expected overnight downstream at Lyons Bridge.

WARRILL CREEK
Stream levels have either peaked or are nearing a peak along Warrill Creek.
Minor to moderate flooding is occurring between Kalbar and Churchbank Weir
during Thursday evening, with minor flooding expected overnight at Amberley.

BREMER RIVER
River levels have either peaked or are nearing a peak along the Bremer River.

Minor to major flooding is occurring between Kuss Road and Rosewood.

Next Issue:
The next warning will be issued by 7am Friday.

Latest River Heights:

Lockyer Ck at Helidon #	2.56m falling	09:02 PM THU 06/01/11
Tenthill Ck at Tenthill *	3.17m falling	08:00 PM THU 06/01/11
Lockyer Ck at Gatton #	13.3m falling	08:58 PM THU 06/01/11
Laidley Ck at Mulgowie *	4.5m falling	07:30 PM THU 06/01/11
Laidley Ck at Laidley	8.1m falling slowly	06:30 PM THU 06/01/11
Laidley Ck at Showground Weir #	7.44m falling	09:01 PM THU 06/01/11
Laidley Ck at Warrego Hwy *	4.4m rising	07:30 PM THU 06/01/11
Lockyer Ck at Glenore Grove #	11.16m rising	08:59 PM THU 06/01/11
Lockyer Ck at Lyons Br #	9.59m rising	09:00 PM THU 06/01/11
Lockyer Ck at Rifle Range Rd *	8.24m rising	08:40 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir #	9.54m rising	09:01 PM THU 06/01/11
Brisbane R at Savages Crossing #	3.35m rising	08:54 PM THU 06/01/11
Brisbane R at Burtons Br #	1.98m rising	08:29 PM THU 06/01/11
Brisbane R at Mt Crosby #	7.7m steady	08:58 PM THU 06/01/11
Brisbane R at Colleges Crossing #	2.76m rising	08:52 PM THU 06/01/11
Bremer R at Adams Br #	2.69m falling	08:58 PM THU 06/01/11
Bremer R at Stokes Crossing #	3.7m falling	09:02 PM THU 06/01/11
Bremer R at Spressers Br #	5.42m rising	09:02 PM THU 06/01/11
Spring Ck at Greys Plains Rd #	1.19m falling	08:45 PM THU 06/01/11
Western Ck at Grandchester #	1.83m falling	08:59 PM THU 06/01/11
Western Ck at Kuss Rd #	6.98m falling	08:28 PM THU 06/01/11
Western Ck at Rosewood WWTP #	6.53m rising	08:53 PM THU 06/01/11
Bremer R at Rosewood #	5.1m rising	08:59 PM THU 06/01/11
Bremer R at Five Mile Br Walloon #	3.66m rising	08:57 PM THU 06/01/11
Bremer R at Walloon DERM *	4.3m steady	08:00 PM THU 06/01/11
Bremer R at Three Mile Br #	11.65m rising	08:55 PM THU 06/01/11
Warrill Ck at Kalbar Weir TW *	5.75m rising	08:40 PM THU 06/01/11
Warrill Ck at Kalbar	7.6m falling	06:00 PM THU 06/01/11
Warrill Ck at Harrisville#	3.8m rising	08:59 PM THU 06/01/11
Warrill Ck at Churchbank Weir #	1.01m rising	08:43 PM THU 06/01/11
Warrill Ck at Greens Rd Amberley #	3.5m rising	09:02 PM THU 06/01/11
Warrill Ck at Amberley DNR *	3.94m rising	08:40 PM THU 06/01/11
Purga Ck at Peak Crossing #	0.71m steady	08:08 PM THU 06/01/11
Purga Ck at Loamside *	1.5m rising	08:30 PM THU 06/01/11
Bremer R at Berry's Lagoon *	15.91m rising	07:45 PM THU 06/01/11
Bremer R at One Mile Br #	6.55m falling	08:09 PM THU 06/01/11
Bremer R at Hancocks Br Brassall #	2.93m steady	07:11 PM THU 06/01/11
Bremer R at Ipswich #	0.45m steady	08:26 PM THU 06/01/11

*,# denotes automatic station.

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IDQ20805

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 7:14 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

40 - 70 mm of rainfall fell over the catchment since 9am Thursday which caused fast rises and minor to moderate flooding with some isolated major flooding in the Bremer River and Lockyer and Laidley Creeks. Rainfall has eased over the area in the past 6 hours and river levels are generally falling.

Further rainfall is expected over the catchment during Friday which could cause renewed river level rises.

LOCKYER CREEK
Minor to moderate flooding is easing on Lockyer Creek between Gatton and Lyons Bridge.

WARRILL CREEK
Minor flooding continues between Harrisville and Amberley.

BREMER RIVER
Moderate to major flooding is easing between Spressers Bridge and Rosewood.
Moderate flooding continues between Walloon and Three Mile Bridge.

Weather Forecast:
Rain areas.

Next Issue:
The next warning will be issued by 4pm Friday.

Latest River Heights:

Lockyer Ck at Helidon *	2.65m falling	08:40 PM THU 06/01/11
Lockyer Ck at Helidon #	1.78m falling	04:38 AM FRI 07/01/11
Tenthill Ck at Tenthill *	2.56m falling	05:00 AM FRI 07/01/11
Lockyer Ck at Gatton *	9.09m falling	08:40 PM THU 06/01/11
Lockyer Ck at Gatton #	7.08m steady	06:10 AM FRI 07/01/11
Laidley Ck at Mulgowie *	2.82m falling	04:00 AM FRI 07/01/11
Laidley Ck at Laidley	8.1m falling slowly	06:30 PM THU 06/01/11
Laidley Ck at Showground Weir *	7.69m falling	08:40 PM THU 06/01/11
Laidley Ck at Showground Weir #	5.28m steady	05:53 AM FRI 07/01/11
Laidley Ck at Warrego Hwy *	5.16m falling	05:00 AM FRI 07/01/11
Lockyer Ck at Glenore Grove #	9.44m falling	06:25 AM FRI 07/01/11
Lockyer Ck at Lyons Br #	12.83m falling	06:15 AM FRI 07/01/11
Lockyer Ck at Rifle Range Rd *	8.24m rising	08:40 PM THU 06/01/11
Lockyer Ck at O'Reilly's Weir *	10.49m rising	05:00 AM FRI 07/01/11
Lockyer Ck at O'Reilly's Weir #	10.52m rising	05:55 AM FRI 07/01/11
Brisbane R at Savages Crossing *	3.34m rising	08:40 PM THU 06/01/11
Brisbane R at Savages Crossing #	4.59m rising	06:21 AM FRI 07/01/11
Brisbane R at Burtons Br #	2.66m rising	06:20 AM FRI 07/01/11
Brisbane R at Mt Crosby #	7.87m steady	06:19 AM FRI 07/01/11
Brisbane R at Mt Crosby #	7.86m rising	05:51 AM FRI 07/01/11
Brisbane R at Colleges Crossing #	3.26m steady	04:34 AM FRI 07/01/11
Bremer R at Adams Br *	1.88m steady	05:20 AM FRI 07/01/11
Bremer R at Adams Br #	1.87m falling	06:25 AM FRI 07/01/11
Bremer R at Stokes Crossing #	2.25m falling	06:11 AM FRI 07/01/11
Bremer R at Spressers Br #	5.22m falling	06:10 AM FRI 07/01/11
Spring Ck at Greys Plains Rd #	0.99m steady	03:49 AM FRI 07/01/11
Western Ck at Grandchester #	0.98m falling	05:41 AM FRI 07/01/11
Western Ck at Kuss Rd #	4.18m falling	06:24 AM FRI 07/01/11

Western Ck at Rosewood WWTP #	5.43m falling	06:14 AM FRI 07/01/11
Bremer R at Rosewood	3.8m rising fast	03:00 PM THU 06/01/11
Bremer R at Rosewood#	5.01m falling	06:17 AM FRI 07/01/11
Bremer R at Rosewood #	5.02m falling	06:23 AM FRI 07/01/11
Bremer R at Five Mile Br Walloon #	5.76m falling	06:24 AM FRI 07/01/11
Bremer R at Walloon DERM *	6.78m rising	05:00 AM FRI 07/01/11
Bremer R at Three Mile Br #	16.05m steady	05:11 AM FRI 07/01/11
Warrill Ck at Toohills Crossing *	0.81m falling	08:40 PM THU 06/01/11
Warrill Ck at Kalbar Weir TW *	5.75m rising	08:40 PM THU 06/01/11
Warrill Ck at Kalbar	7.6m falling	06:00 PM THU 06/01/11
Warrill Ck at Harrisville #	4m falling	05:11 AM FRI 07/01/11
Warrill Ck at Harrisville#	3.9m steady	05:18 AM FRI 07/01/11
Warrill Ck at Churchbank Weir *	0.96m rising	08:30 PM THU 06/01/11
Warrill Ck at Churchbank Weir #	1.91m rising	06:22 AM FRI 07/01/11
Warrill Ck at Greens Rd Amberley #	4.62m falling	06:20 AM FRI 07/01/11
Warrill Ck at Amberley DNR *	3.94m rising	08:40 PM THU 06/01/11
Purga Ck at Peak Crossing #	0.81m rising	05:19 AM FRI 07/01/11
Purga Ck at Loamside #	1.61m steady	05:49 AM FRI 07/01/11
Purga Ck at Loamside *	1.5m rising	08:30 PM THU 06/01/11
Bremer R at Berry's Lagoon *	15.91m rising	07:45 PM THU 06/01/11
Bremer R at One Mile Br #	10.5m rising	06:22 AM FRI 07/01/11
Bremer R at Hancocks Br Brassall #	5.53m rising	06:22 AM FRI 07/01/11
Bremer R at Ipswich #	2.25m rising	06:19 AM FRI 07/01/11

*, # denote automatic

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 4:24 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Some small renewed rises and minor to moderate flooding is occurring along
Lockyer and Warrill Creeks. River rises are also occurring in the Bremer River
where minor flooding continues. The rainfall has continued to ease during Friday
afternoon, which is expected to result in stream levels to commence to ease
during this evening and overnight Friday.

The rainfall has continued to ease during Friday afternoon, with less than 7mm
recorded during the previous 3 hours to 4pm. Further small rises are occurring
along the upper reaches of the Lockyer and Warrill Creeks and in the Bremer
River during Friday afternoon.

LOCKYER CREEK:
Minor to moderate flooding continues on Lockyer Creek between the Warrego
Highway and Rifle Range Road.

WARRILL CREEK:
Minor to moderate flooding continues between Kalbar and Amberley.

BREMER RIVER:
Minor flooding continues between Spressers Bridge and Three Mile Bridge.

Weather Forecast:
Rain periods with moderate falls possible and local thunder at times.

Next Issue:
The next warning will be issued at about 9am Saturday, or earlier if heavy rainfall returns to the catchment.

Latest River Heights:

Lockyer Ck at Helidon #	3.3m rising	03:50 PM FRI 07/01/11
Tenthill Ck at Tenthill *	2.49m falling	02:00 PM FRI 07/01/11
Lockyer Ck at Gatton #	6.94m falling	03:49 PM FRI 07/01/11
Laidley Ck at Mulgowie *	2.95m rising	02:30 PM FRI 07/01/11
Laidley Ck at Laidley	8.1m falling slowly	06:30 PM THU 06/01/11
Laidley Ck at Showground Weir #	5.22m rising	03:40 PM FRI 07/01/11
Laidley Ck at Warrego Hwy *	4.71m falling	02:00 PM FRI 07/01/11
Lockyer Ck at Glenore Grove #	7.88m rising	03:47 PM FRI 07/01/11
Lockyer Ck at Lyons Br #	11.97m falling	03:42 PM FRI 07/01/11
Lockyer Ck at Rifle Range Rd *	12.38m steady	08:00 AM FRI 07/01/11
Lockyer Ck at O'Reilly's Weir #	10.56m falling	03:53 PM FRI 07/01/11
Brisbane R at Lowood Pump Stn #	5.43m rising	03:31 PM FRI 07/01/11
Brisbane R at Savages Crossing #	5.65m falling	03:49 PM FRI 07/01/11
Brisbane R at Burtons Br #	3.88m rising	03:53 PM FRI 07/01/11
Brisbane R at Kholo Br #	-1.97m rising	03:44 PM FRI 07/01/11
Brisbane R at Mt Crosby #	8.34m rising	03:27 PM FRI 07/01/11
Brisbane R at Colleges Crossing #	4.71m rising	03:27 PM FRI 07/01/11
Bremer R at Adams Br #	2.43m falling	03:52 PM FRI 07/01/11
Bremer R at Stokes Crossing #	2.3m rising	03:45 PM FRI 07/01/11
Bremer R at Spressers Br #	4.32m falling	02:53 PM FRI 07/01/11
Spring Ck at Greys Plains Rd #	1.39m falling	03:37 PM FRI 07/01/11
Western Ck at Grandchester #	2.43m falling	03:54 PM FRI 07/01/11
Western Ck at Kuss Rd #	4.6m rising	03:53 PM FRI 07/01/11
Western Ck at Rosewood WWTP #	4.88m rising	03:53 PM FRI 07/01/11
Bremer R at Rosewood #	4.32m steady	02:27 PM FRI 07/01/11
Bremer R at Five Mile Br Walloon #	4.16m falling	03:45 PM FRI 07/01/11
Bremer R at Walloon DERM *	5.77m falling	02:00 PM FRI 07/01/11
Bremer R at Three Mile Br #	14.3m steady	03:26 PM FRI 07/01/11
Warrill Ck at Toohills Crossing *	1.21m rising	08:20 AM FRI 07/01/11
Warrill Ck at Harrisville #	4.32m rising	03:32 PM FRI 07/01/11
Warrill Ck at Churchbank Weir #	1.97m rising	03:38 PM FRI 07/01/11
Warrill Ck at Greens Rd Amberley #	4.92m falling	03:47 PM FRI 07/01/11
Warrill Ck at Amberley DNR *	5.52m steady	08:20 AM FRI 07/01/11
Purga Ck at Peak Crossing #	1.51m rising	03:55 PM FRI 07/01/11
Purga Ck at Loamside #	2.37m steady	03:49 PM FRI 07/01/11
Bremer R at One Mile Br #	10.8m falling	03:43 PM FRI 07/01/11
Bremer R at Hancocks Br Brassall #	7.23m falling	03:42 PM FRI 07/01/11
Bremer R at Ipswich #	4.2m falling	03:46 PM FRI 07/01/11
Brisbane R at Moggill #	2.07m falling	03:42 PM FRI 07/01/11
Brisbane R at City Gauge *	0.62m rising	08:20 AM FRI 07/01/11
Moreton Bay at Whyte Island #	0.07m falling	03:51 PM FRI 07/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
Issued at 9:05 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are generally falling along Lockyer and Warrill Creeks and the Bremer River.

LOCKYER CREEK:
Minor to moderate flooding continues along Lockyer Creek between the Warrego Highway and Rifle Range Road. A moderate flood peak is expected this morning at Lyons Bridge of just over 12 metres.

WARRILL CREEK:
Minor to moderate flooding is falling between Harrisville and Amberley.

BREMER RIVER:
Minor flooding continues between Spressers Bridge and Walloon.

Weather Forecast:
Rain periods with moderate falls possible and local thunder at times.

Next Issue:
The next warning will be issued at about 9am Sunday, or earlier if heavy rainfall returns to the catchment.

Latest River Heights:

Lockyer Ck at Gatton *	4.83m falling	08:20 AM SAT 08/01/11
Laidley Ck at Mulgowie *	2.36m falling	07:00 AM SAT 08/01/11
Laidley Ck at Showground Weir #	5.12m steady	08:53 AM SAT 08/01/11
Laidley Ck at Warrego Hwy *	4.63m falling	08:00 AM SAT 08/01/11
Lockyer Ck at Glenore Grove #	8.2m falling	08:49 AM SAT 08/01/11
Lockyer Ck at Lyons Br #	12.09m falling	08:30 AM SAT 08/01/11
Lockyer Ck at Rifle Range Rd *	11.79m steady	08:00 AM SAT 08/01/11
Lockyer Ck at O'Reilly's Weir #	10.94m rising	08:34 AM SAT 08/01/11
Bremer R at Adams Br #	1.61m falling	08:52 AM SAT 08/01/11
Bremer R at Stokes Crossing #	1.8m falling	08:37 AM SAT 08/01/11
Bremer R at Spressers Br #	4.27m falling	08:23 AM SAT 08/01/11
Spring Ck at Greys Plains Rd #	0.89m steady	06:49 AM SAT 08/01/11
Western Ck at Grandchester #	0.78m falling	07:43 AM SAT 08/01/11
Western Ck at Kuss Rd #	3.28m falling	08:51 AM SAT 08/01/11
Western Ck at Rosewood WWTP #	3.98m falling	08:41 AM SAT 08/01/11
Bremer R at Rosewood #	4.2m falling	08:41 AM SAT 08/01/11
Bremer R at Five Mile Br Walloon #	4.02m falling	08:33 AM SAT 08/01/11
Bremer R at Walloon DERM *	5.17m falling	08:00 AM SAT 08/01/11
Bremer R at Three Mile Br #	13.85m falling	08:41 AM SAT 08/01/11
Warrill Ck at Toohills Crossing *	0.01m rising	08:10 AM SAT 08/01/11
Warrill Ck at Harrisville #	4.1m falling	08:47 AM SAT 08/01/11

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Warrill Ck at Churchbank Weir #     2.07m steady        07:29 AM SAT 08/01/11
Warrill Ck at Greens Rd Amberley #  5.18m rising        08:50 AM SAT 08/01/11
Warrill Ck at Amberley DNR *        5.99m falling       08:00 AM SAT 08/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE
Issued at 9:13 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels are falling at Amberley along Warrill Creek.

SEQ Water advises releases from Wivenhoe Dam will continue through Sunday. Minor
flooding will continue downstream along the Brisbane River to Mt Crosby today
and tomorrow.


Weather Forecast:
Rain periods with moderate falls possible.

Next Issue:
The next warning will be issued at about 9am Monday or earlier if needed.

Latest River Heights:

Brisbane R at Savages Crossing *    10.34m falling 08:10 AM SUN 09/01/11
Brisbane R at Savages Crossing #    10.31m falling 09:03 AM SUN 09/01/11
Brisbane R at Burtons Br #          7.76m falling  08:59 AM SUN 09/01/11
Cabbage Tree Ck at L Manchester #   51.19m steady  07:55 AM SUN 09/01/11
Brisbane R at Kholo Br #            2.61m falling  08:59 AM SUN 09/01/11
Brisbane R at Mt Crosby #           11.21m steady  08:55 AM SUN 09/01/11
Brisbane R at Mt Crosby #           11.14m falling 09:06 AM SUN 09/01/11
Brisbane R at Colleges Crossing #   8.91m steady   09:07 AM SUN 09/01/11
Warrill Ck at Amberley DNR *        5.07m falling  08:20 AM SUN 09/01/11

*automatic station


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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER BRISBANE BELOW WIVENHOE
Issued at 10:55 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek upstream of Gatton and in the Bremer River in the Rosewood area. Further rainfall is forecast for the region during Monday which may produce higher levels.

LOCKYER CREEK:
Lockyer Creek levels in the Helidon area have peaked at about 7 metres with further rises and moderate to major flooding expected downstream to the O'Reilly's area during Monday.

BREMER RIVER:
River level rises and moderate to major flooding continue in the Rosewood area. Further rises are expected downstream during the next 24 hours with at least minor flood levels expected in the Bremer River at Ipswich during Monday night.

MIDDLE AND LOWER BRISBANE:
SEQ Water advises releases from Wivenhoe Dam will continue. Minor flooding will continue along the middle Brisbane River at Savages and Mt Crosby with moderate flood levels expected at Mt Crosby overnight Monday.

Next Issue:
The next warning will be issued at about 9am Monday.

Latest River Heights:

Lockyer Ck at Helidon #	6.68m falling	10:08 PM SUN 09/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.65m rising	08:40 PM SUN 09/01/11
Sandy Creek at Sandy Creek Road #	4.25m falling	10:03 PM SUN 09/01/11
Ma Ma Ck at Harm's *	1.92m steady	08:00 AM SUN 09/01/11
Tenthill Ck at Tenthill *	2.45m steady	08:33 PM SUN 09/01/11
Lockyer Ck at Gatton #	9.62m falling	09:58 PM SUN 09/01/11
Laidley Ck at Mulgowie *	3.33m rising	08:00 PM SUN 09/01/11
Laidley Ck at Laidley	3.95m falling slowly	08:00 PM SUN 09/01/11
Laidley Ck at Showground Weir #	5.6m falling	08:55 PM SUN 09/01/11
Bill Gunn Dam #	110.06m steady	09:44 PM SUN 09/01/11
Laidley Ck at Warrego Hwy *	4.36m rising	08:00 PM SUN 09/01/11
LLockyer Ck at Glenore Grove #	8.8m rising	10:09 PM SUN 09/01/11
Lockyer Ck at Lyons Br #	10.03m rising	10:08 PM SUN 09/01/11
Lockyer Ck at Rifle Range Rd *	9.47m rising	08:40 PM SUN 09/01/11
Atkinson Dam #	65.76m steady	09:52 PM SUN 09/01/11
Lockyer Ck at O'Reilly's Weir #	12m rising	10:05 PM SUN 09/01/11
Brisbane R at Lowood Pump Stn #	10.87m falling	10:07 PM SUN 09/01/11
Brisbane R at Savages Crossing #	11.47m rising	10:09 PM SUN 09/01/11
Brisbane R at Burtons Br #	8.78m rising	10:08 PM SUN 09/01/11
Cabbage Tree Ck at L Manchester #	51.97m rising	10:10 PM SUN 09/01/11
Brisbane R at Kholo Br #	3.61m rising	10:10 PM SUN 09/01/11
Brisbane R at Mt Crosby #	11.9m rising	10:09 PM SUN 09/01/11
Brisbane R at Colleges Crossing #	9.71m rising	10:11 PM SUN 09/01/11
Bremer R at Adams Br #	2.15m falling	10:03 PM SUN 09/01/11
Bremer R at Stokes Crossing #	2.65m rising	09:53 PM SUN 09/01/11
Bremer R at Spressers Br #	4.87m rising	09:56 PM SUN 09/01/11

Spring Ck at Greys Plains Rd #	1.14m steady	09:48 PM SUN 09/01/11
Western Ck at Grandchester #	3.38m rising	10:07 PM SUN 09/01/11
Western Ck at Rosewood WWTP #	6.43m rising	08:45 PM SUN 09/01/11
Bremer R at Rosewood #	5.02m rising	10:05 PM SUN 09/01/11
Bremer R at Five Mile Br Walloon #	4m rising	10:09 PM SUN 09/01/11
Bremer R at Walloon DERM *	4.54m rising	08:00 PM SUN 09/01/11
Reynolds Ck at Moogerah Dam #	155.5m steady	09:01 PM SUN 09/01/11
Warrill Ck at Kalbar Weir HW #	75.75m steady	09:59 PM SUN 09/01/11
Warrill Ck at Kalbar Weir TW *	5.25m falling	08:40 PM SUN 09/01/11
Warrill Ck at Harrisville#	2.45m rising	10:08 PM SUN 09/01/11
Warrill Ck at Churchbank Weir #	0.76m steady	07:29 PM SUN 09/01/11
Warrill Ck at Greens Rd Amberley #	4.52m rising	10:05 PM SUN 09/01/11
Warrill Ck at Amberley DNR *	5.43m rising	08:40 PM SUN 09/01/11
Purga Ck at Peak Crossing #	1.16m rising	08:08 PM SUN 09/01/11
Purga Ck at Loamside *	4.19m falling	08:40 PM SUN 09/01/11
Bremer R at Berry's Lagoon *	17.66m rising	08:30 PM SUN 09/01/11
Bremer R at One Mile Br #	8.9m rising	10:11 PM SUN 09/01/11
Bremer R at Hancocks Br Brassall #	5.98m steady	10:11 PM SUN 09/01/11
Bremer R at Ipswich #	3.95m rising	09:58 PM SUN 09/01/11
Brisbane R at Moggill #	3.57m rising	09:46 PM SUN 09/01/11
Brisbane R at City Gauge #	0.1m steady	08:12 PM SUN 09/01/11
Moreton Bay at Whyte Island #	0.45m rising	10:07 PM SUN 09/01/11

*,# from automatic station

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public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER BRISBANE BELOW WIVENHOE
Issued at 12:36 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in
Lockyer Creek upstream of Gatton and in the Bremer River in the Rosewood area.
Further heavy rainfall is forecast for the catchments of the Bremer River and
Warrill and Lockyer Creeks during Monday.

LOCKYER CREEK:
Moderate to major flood levels have developed in Lockyer Creek upstream of
Gatton. Levels in the Helidon area have peaked at about 7 metres and rises
continue at Gatton. Rises to major flood levels are expected during Monday at
Glenore Grove and Lyons Bridge.

BREMER RIVER:
River level rises and moderate to major flooding continue in the Rosewood area.
Further rises are expected downstream during the next 24 hours with at least
minor flood levels expected in the Bremer River at Ipswich during Monday night
and continuing into Tuesday.

MIDDLE AND LOWER BRISBANE:
SEQ Water advises releases from Wivenhoe Dam will continue. Minor flooding will continue along the middle Brisbane River at Savages and Mt Crosby during Monday with moderate flood levels expected overnight Monday.

Higher than predicted tides are expected to continue in the Lower Brisbane area during Monday. Minor flood levels are possible on the high tide at the Brisbane City (Port Office) gauge during Tuesday and Wednesday.

Next Issue:
The next warning will be issued at about 9.30am Monday.

Latest River Heights:

Lockyer Ck at Helidon #	6.5m rising	11:47 PM SUN 09/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.65m rising	08:40 PM SUN 09/01/11
Sandy Creek at Sandy Creek Road #	4.2m rising	11:39 PM SUN 09/01/11
Lockyer Ck at Gatton #	12.98m steady	11:46 PM SUN 09/01/11
Laidley Ck at Mulgowie *	3.45m rising	10:00 PM SUN 09/01/11
Laidley Ck at Laidley	3.95m falling slowly	08:00 PM SUN 09/01/11
Laidley Ck at Showground Weir *	5.62m falling	08:30 PM SUN 09/01/11
Laidley Ck at Showground Weir #	5.72m rising	11:37 PM SUN 09/01/11
Laidley Ck at Warrego Hwy *	4.75m rising	10:00 PM SUN 09/01/11
Lockyer Ck at Glenore Grove #	9.98m rising	11:48 PM SUN 09/01/11
Lockyer Ck at Lyons Br #	10.73m rising	11:47 PM SUN 09/01/11
Lockyer Ck at Rifle Range Rd *	9.47m rising	08:40 PM SUN 09/01/11
Lockyer Ck at O'Reilly's Weir #	12.34m rising	11:45 PM SUN 09/01/11
Brisbane R at Lowood Pump Stn #	11.19m falling	11:46 PM SUN 09/01/11
Brisbane R at Savages Crossing #	11.73m rising	11:48 PM SUN 09/01/11
Brisbane R at Burtons Br #	9.06m rising	11:32 PM SUN 09/01/11
Brisbane R at Kholo Br #	3.91m rising	11:44 PM SUN 09/01/11
Brisbane R at Mt Crosby #	12.24m steady	11:49 PM SUN 09/01/11
Brisbane R at Colleges Crossing #	9.91m rising	11:46 PM SUN 09/01/11
Bremer R at Spressers Br #	4.97m rising	11:08 PM SUN 09/01/11
Western Ck at Grandchester #	4.23m rising	11:45 PM SUN 09/01/11
Western Ck at Rosewood WWTP #	6.63m rising	11:49 PM SUN 09/01/11
Bremer R at Rosewood #	5.14m rising	11:41 PM SUN 09/01/11
Bremer R at Five Mile Br Walloon #	4.66m rising	11:48 PM SUN 09/01/11
Bremer R at Walloon DERM *	5.04m rising	10:30 PM SUN 09/01/11
Reynolds Ck at Moogerah Dam #	155.48m falling	11:34 PM SUN 09/01/11
Warrill Ck at Harrisville #	2.74m rising	11:44 PM SUN 09/01/11
Warrill Ck at Harrisville#	2.65m rising	11:32 PM SUN 09/01/11
Warrill Ck at Greens Rd Amberley #	4.4m falling	11:47 PM SUN 09/01/11
Warrill Ck at Amberley DNR *	5.43m rising	08:40 PM SUN 09/01/11
Bremer R at Berry's Lagoon *	17.66m rising	08:30 PM SUN 09/01/11
Bremer R at One Mile Br #	9.25m rising	11:33 PM SUN 09/01/11
Bremer R at Hancocks Br Brassall #	6.23m rising	11:33 PM SUN 09/01/11
Bremer R at Ipswich #	4.1m rising	11:34 PM SUN 09/01/11
Brisbane R at Moggill #	3.72m rising	11:44 PM SUN 09/01/11
Brisbane R at City Gauge #	0.9m rising	11:12 PM SUN 09/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
Issued at 10:28 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek and along the Bremer River. Moderate flood levels are likely at Ipswich. Further heavy rainfall is forecast for the catchments of the Brisbane and Bremer Rivers and Warrill and Lockyer Creeks during Monday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday. At the Brisbane City Gauge, river levels of about 2.3 metres are expected with the high tides on Tuesday and Wednesday causing minor flooding.

LOCKYER CREEK:
A major flood peak is currently around Glenore Grove of around 13 metres. Rises to around 14.5 metres are expected at Lyons Bridge later today and around 15 metres at Rifle Range Road. Higher levels are possible as rainfall continues.

BREMER RIVER:
River level rises and moderate flooding continue in the Rosewood area. Further rises are expected downstream during the next 24 hours with moderate flood levels of at least 10 metres expected in the Bremer River at Ipswich early on Tuesday.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday. Minor flooding is expected at Savages and moderate flooding at Mt Crosby overnight tonight.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.3 metres with the high tides on Tuesday and Wednesday. Further rises are possible as rainfall continues.

Predicted River Heights/Flows:
Ipswich: Reach at least 9.5 metres (moderate) during the early hours of Tuesday.

Moggill: Reach around 8 metres (below minor) on Tuesday morning.

Jindalee: Reach at least 5 metres (below minor) during Tuesday.

Brisbane: Reach about 2.3 metres (minor) with the high tides on Tuesday and Wednesday.

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 3:30pm Monday.

Latest River Heights:

Lockyer Ck at Gatton *	9.49m falling	08:20 AM MON 10/01/11
Laidley Ck at Laidley	3.85m steady	08:55 AM MON 10/01/11
Laidley Ck at Showground Weir *	5.3m falling	08:10 AM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.7m steady	08:00 AM MON 10/01/11
Lockyer Ck at Glenore Grove #	12.86m falling	09:18 AM MON 10/01/11
Lockyer Ck at Lyons Br #	14.07m rising	09:17 AM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	13.4m rising	08:20 AM MON 10/01/11
Brisbane R at Lowood Pump Stn #	13.21m rising	09:13 AM MON 10/01/11
Brisbane R at Savages Crossing #	12.95m rising	09:18 AM MON 10/01/11
Brisbane R at Burtons Br #	9.92m rising	09:11 AM MON 10/01/11
Brisbane R at Kholo Br #	5.19m rising	09:12 AM MON 10/01/11
Brisbane R at Mt Crosby #	13.43m rising	09:16 AM MON 10/01/11
Brisbane R at Colleges Crossing #	11.11m rising	09:20 AM MON 10/01/11
Bremer R at Adams Br *	1.93m rising	08:30 AM MON 10/01/11
Bremer R at Stokes Crossing #	2.3m rising	09:01 AM MON 10/01/11
Bremer R at Spressers Br #	5.02m falling	09:03 AM MON 10/01/11
Western Ck at Rosewood WWTP #	6.38m falling	07:09 AM MON 10/01/11
Bremer R at Rosewood #	5.06m falling	09:08 AM MON 10/01/11
Bremer R at Five Mile Br Walloon #	5.42m rising	08:24 AM MON 10/01/11
Bremer R at Walloon DERM *	6.49m rising	08:00 AM MON 10/01/11
Warrill Ck at Harrisville#	2.65m steady	08:17 AM MON 10/01/11
Warrill Ck at Amberley DNR *	5.34m rising	08:10 AM MON 10/01/11
Bremer R at Ipswich #	5.7m rising	09:08 AM MON 10/01/11
Brisbane R at Moggill #	4.72m rising	09:14 AM MON 10/01/11
Brisbane R at Jindalee Br #	2.8m rising	09:17 AM MON 10/01/11
Brisbane R at City Gauge #	0.65m rising	09:09 AM MON 10/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 4:16 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek, Warrill Creek and and along the Bremer River. Major flood levels are likely at Ipswich during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, a river levels of about 2.1 metres is expected with

the afternoon high tide on Tuesday and about 3 metres is expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to renewed rises in the Lockyer Creek catchment. Rainfall is forecast to continue this evening and a return to moderate to major flood levels is expected overnight and during Tuesday. Major flood levels are expected to continue at Lyons Bridge with rises above 15 metres likely during Tuesday.

BREMER RIVER:
Rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels over 5 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Further rainfall during Monday will lead to increasing river levels along Warrill Creek with levels expected to reach above 6 metres at Amberley overnight.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday. Moderate flooding is expected at Savages Crossing and at Mt Crosby Weir overnight tonight and during Tuesday.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.1 metres with the afternoon high tide on Tuesday and reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker rises and higher levels are possible depending on further rainfall tonight.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres with the afternoon high tide on Tuesday. Reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 9pm Monday.

Latest River Heights:

Lockyer Ck at Gatton #	10.36m steady	03:04 PM MON 10/01/11
Laidley Ck at Laidley	6m rising	02:45 PM MON 10/01/11
Laidley Ck at Showground Weir #	6.98m rising	03:07 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.43m falling	01:00 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	11.36m falling	03:05 PM MON 10/01/11
Lockyer Ck at Lyons Br #	14.79m rising	03:02 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	13.4m rising	08:20 AM MON 10/01/11
Brisbane R at Lowood Pump Stn #	14.13m falling	03:07 PM MON 10/01/11
Brisbane R at Savages Crossing #	14.15m rising	03:09 PM MON 10/01/11
Brisbane R at Burtons Br #	10.88m rising	03:05 PM MON 10/01/11
Brisbane R at Kholo Br #	6.23m rising	03:06 PM MON 10/01/11
Brisbane R at Mt Crosby #	14.26m rising	03:07 PM MON 10/01/11
Brisbane R at Colleges Crossing #	11.96m rising	03:09 PM MON 10/01/11
Bremer R at Spressers Br #	5.07m rising	03:09 PM MON 10/01/11
Bremer R at Rosewood #	4.94m rising	03:02 PM MON 10/01/11
Bremer R at Five Mile Br Walloon #	5.12m falling	03:09 PM MON 10/01/11
Warrill Ck at Harrisville #	3.82m rising	03:05 PM MON 10/01/11
Warrill Ck at Amberley DNR *	5.34m rising	08:10 AM MON 10/01/11
Bremer R at Ipswich #	6.6m rising	02:40 PM MON 10/01/11
Brisbane R at Moggill #	5.52m rising	02:59 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.7m rising	02:50 PM MON 10/01/11
Brisbane R at City Gauge #	1.36m falling	03:09 PM MON 10/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 6:12 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

LOCKYER CREEK: Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Laidley Creek at Mulgowie. These will extend to Gatton and areas downstream during the evening and overnight. Severe record major flooding is expected in areas downstream of Gatton overnight and during Tuesday.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek, Warrill Creek and and along the Bremer River. Major flood levels are likely at Ipswich during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, a river levels of about 2.1 metres is expected with the afternoon high tide on Tuesday and about 3 metres is expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Laidley Creek at Mulgowie. These will extend to Gatton and areas downstream during the evening and overnight. High level record major flooding is expected in areas downstream of Gatton overnight and during Tuesday.

BREMER RIVER:
Rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels over 5 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Further rainfall during Monday will lead to increasing river levels along Warrill Creek with levels expected to reach above 6 metres at Amberley overnight.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday. Moderate flooding is expected at Savages Crossing and at Mt Crosby Weir overnight tonight and during Tuesday.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.1 metres with the afternoon high tide on Tuesday and reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker rises and higher levels are possible depending on further rainfall tonight.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres with the afternoon high tide on Tuesday. Reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 9pm Monday.

Latest River Heights:

Lockyer Ck at Helidon *	12.66m rising	02:50 PM MON 10/01/11
Lockyer Ck at Helidon #	12.68m steady	03:02 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	3.27m falling	08:20 AM MON 10/01/11
Sandy Creek at Sandy Creek Road #	3.8m falling	05:22 PM MON 10/01/11
Ma Ma Ck at Harm's *	2.28m falling	08:10 AM MON 10/01/11
Tenthill Ck at Tenthill *	4.53m rising	04:10 PM MON 10/01/11
Lockyer Ck at Gatton *	9.07m rising	05:30 PM MON 10/01/11
Lockyer Ck at Gatton #	13.22m rising	05:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	7.88m rising	04:00 PM MON 10/01/11
Laidley Ck at Laidley	6m rising	02:45 PM MON 10/01/11
Laidley Ck at Showground Weir *	8.95m rising	05:30 PM MON 10/01/11
Laidley Ck at Showground Weir #	9m rising	05:31 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.28m falling	03:00 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	10.78m falling	05:24 PM MON 10/01/11
Lockyer Ck at Lyons Br #	14.93m rising	05:05 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	14.85m rising	05:30 PM MON 10/01/11
Lockyer Ck at O'Reilly's Weir #	16.38m rising	05:29 PM MON 10/01/11
Brisbane R at Lowood Pump Stn #	14.53m falling	05:28 PM MON 10/01/11
Brisbane R at Savages Crossing #	14.37m rising	05:29 PM MON 10/01/11
Brisbane R at Burtons Br #	11.08m rising	05:23 PM MON 10/01/11
Brisbane R at Kholo Br #	6.63m rising	05:28 PM MON 10/01/11
Brisbane R at Mt Crosby #	14.64m rising	05:31 PM MON 10/01/11
Brisbane R at Mt Crosby #	14.08m falling	04:39 PM MON 10/01/11
Brisbane R at Colleges Crossing #	12.41m rising	05:33 PM MON 10/01/11
Bremer R at Stokes Crossing #	4.6m falling	05:20 PM MON 10/01/11
Warrill Ck at Churchbank Weir *	2.35m rising	05:30 PM MON 10/01/11
Warrill Ck at Greens Rd Amberley #	5.6m rising	05:26 PM MON 10/01/11
Bremer R at One Mile Br #	11.8m steady	05:03 PM MON 10/01/11
Bremer R at Hancocks Br Brassall #	9.28m rising	04:33 PM MON 10/01/11
Bremer R at Ipswich #	6.85m steady	05:27 PM MON 10/01/11
Brisbane R at Moggill #	5.87m rising	05:18 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.75m steady	04:07 PM MON 10/01/11
Brisbane R at City Gauge #	0.81m falling	05:21 PM MON 10/01/11

*automatic station

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public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 9:44 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

LOCKYER CREEK: Further rainfall during Monday has led to extreme rises in the

Lockyer Creek catchment at Helidon and Gatton and Laidley Creek at Mulgowie. Lockyer Creek at Gatton reached 19 metres, which is more than 2.5 metres above the previous record.

Rapid stream rises are occurring at Glenore Grove, and the river has reached 14.42 metres at 9pm. A peak in the next few hours is expected, with flood levels in excess of 15 metres possible.

Stream rises in the Lockyer Creek downstream are expected overnight, with the main flood waters reaching Lyons Bridge overnight.

Stream level rises causing moderate to major flooding are being recorded in Lockyer Creek, Warrill Creek and and along the Bremer River. Major flood levels are likely at Ipswich during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, a river levels of about 2.1 metres is expected with the afternoon high tide on Tuesday and about 3 metres is expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment at Helidon and Gatton and Laidley Creek at Mulgowie. These will extend to Lyons Bridge in the next few hours and areas downstream later Monday and early Tuesday. High level major flooding is expected in areas downstream of Gatton overnight and during Tuesday.

BREMER RIVER:
Rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels over 5 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Further rainfall during Monday will lead to increasing river levels along Warrill Creek with levels expected to reach above 6 metres at Amberley overnight.

MIDDLE AND LOWER BRISBANE:
SEQwater advises releases from Wivenhoe Dam will increase during Monday. Moderate flooding is expected at Savages Crossing and at Mt Crosby Weir overnight tonight and during Tuesday.

The Brisbane River at the City Gauge (lower end of Edward Street and at Thornton Street) is expected to reach about 2.1 metres with the afternoon high tide on Tuesday and reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon. Quicker

rises and higher levels are possible depending on further rainfall tonight.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres with the afternoon high tide on Tuesday.
Reach about 3 metres with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about midnight Monday.

Latest River Heights:

Lockyer Ck at Helidon *	12.66m rising	02:50 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.28m falling	08:40 PM MON 10/01/11
Sandy Creek at Sandy Creek Road #	2.85m falling	08:49 PM MON 10/01/11
Ma Ma Ck at Harm's *	2.28m falling	08:10 AM MON 10/01/11
Tenthill Ck at Tenthill *	4.52m falling	08:40 PM MON 10/01/11
Lockyer Ck at Gatton *	18.92m rising	18:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	6.68m falling	07:30 PM MON 10/01/11
Laidley Ck at Laidley	8.6m rising slowly	06:00 PM MON 10/01/11
Laidley Ck at Showground Weir #	9.22m rising	08:58 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.38m rising	08:00 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	14.42m rising	08:58 PM MON 10/01/11
Lockyer Ck at Lyons Br #	15.07m rising	08:56 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	14.99m rising	08:40 PM MON 10/01/11
Lockyer Ck at O'Reilly's Weir #	17.14m rising	08:55 PM MON 10/01/11
Brisbane R at Lowood Pump Stn #	15.17m falling	08:58 PM MON 10/01/11
Brisbane R at Savages Crossing *	14.76m falling	08:40 PM MON 10/01/11
Brisbane R at Savages Crossing #	14.87m steady	08:53 PM MON 10/01/11
Brisbane R at Burtons Br #	11.44m rising	08:47 PM MON 10/01/11
Brisbane R at Kholo Br #	7.09m rising	08:47 PM MON 10/01/11
Brisbane R at Mt Crosby #	15.05m rising	08:57 PM MON 10/01/11
Brisbane R at Colleges Crossing #	12.91m rising	09:00 PM MON 10/01/11
Warrill Ck at Greens Rd Amberley #	5.92m falling	08:56 PM MON 10/01/11
Bremer R at One Mile Br #	12.2m rising	08:59 PM MON 10/01/11
Bremer R at Hancocks Br Brassall #	9.58m rising	08:27 PM MON 10/01/11
Bremer R at Ipswich #	7.2m rising	08:56 PM MON 10/01/11
Brisbane R at Moggill #	6.12m rising	08:53 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.75m steady	07:07 PM MON 10/01/11
Brisbane R at City Gauge *	0.41m steady	08:40 PM MON 10/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 12:06 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

The main flood waters in the Lockyer Creek are now at Glenore Grove, with strong stream rises expected overnight and early Tuesday morning in the Lockyer Creek downstream of Glenore Grove.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane overnight and through Tuesday.

At the Brisbane City Gauge, minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Further rainfall during Monday has led to extreme rises in the Lockyer Creek catchment and Laidley Creek at Mulgowie. Record flood levels of 18.92 metres were recorded at Gatton this evening before the station failed. This level is well above the previous record peak of 16.33 metres from the February 1893 flood.

The main flood waters are currently around Glenore Grove, with strong stream rises at Lyons Bridge expected in the next few hours. The Lockyer Creek at Glenore Grove has reached 14.60 metres at 11:30pm. A peak in the next few hours is expected, with flood levels in excess of 15 metres possible.

Renewed stream rises have commenced at the Lockyer River at Lyons Bridge with a peak between 16 and 16.5 metres expected early Tuesday morning.

BREMER RIVER:
The rainfall during Monday will lead to renewed rises and a return to moderate flood levels along the Bremer River to Walloon. Levels between 5 and 6 metres are expected at Rosewood overnight.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
The rainfall during Monday has lead to increases in Warrill Creek with Amberley currently peaking around 6 metres.

MIDDLE AND LOWER BRISBANE:
Moderate flooding is developing at Savages Crossing and at Mt Crosby Weir.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres (minor) with the afternoon high tide on Tuesday. Reach about 3 metres (moderate) with the high tides on Wednesday.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 4am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	12.68m steady	03:02 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	4.28m falling	08:40 PM MON 10/01/11
Sandy Creek at Sandy Creek Road #	2.45m rising	11:01 PM MON 10/01/11
Ma Ma Ck at Harm's *	2.28m falling	08:10 AM MON 10/01/11
Tenthill Ck at Tenthill *	4.07m falling	10:30 PM MON 10/01/11
Lockyer Ck at Gatton *	18.92m rising	6:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	5.63m falling	10:10 PM MON 10/01/11
Laidley Ck at Laidley	8.7m falling slowly	10:00 PM MON 10/01/11
Laidley Ck at Showground Weir #	8.56m falling	11:16 PM MON 10/01/11
Bill Gunn Dam #	110.1m steady	11:14 PM MON 10/01/11
Laidley Ck at Warrego Hwy *	5.8m rising	09:50 PM MON 10/01/11
Lockyer Ck at Glenore Grove #	14.6m rising	11:12 PM MON 10/01/11
Lockyer Ck at Lyons Br #	15.17m rising	10:38 PM MON 10/01/11
Lockyer Ck at Rifle Range Rd *	14.99m rising	08:40 PM MON 10/01/11
Lockyer Ck at O'Reilly's Weir #	17.5m rising	11:16 PM MON 10/01/11
Brisbane R at Lowood Pump Stn #	15.45m rising	11:10 PM MON 10/01/11
Brisbane R at Savages Crossing #	15.25m falling	11:17 PM MON 10/01/11
Brisbane R at Burtons Br #	11.8m rising	11:14 PM MON 10/01/11
Brisbane R at Kholo Br #	7.41m rising	11:15 PM MON 10/01/11
Brisbane R at Mt Crosby #	15.31m rising	11:15 PM MON 10/01/11
Brisbane R at Colleges Crossing #	13.21m rising	11:18 PM MON 10/01/11
Warrill Ck at Greens Rd Amberley #	5.94m rising	11:08 PM MON 10/01/11
Bremer R at One Mile Br #	12.75m rising	11:08 PM MON 10/01/11
Bremer R at Hancocks Br Brassall #	10.13m rising	11:17 PM MON 10/01/11
Bremer R at Ipswich #	7.6m rising	11:17 PM MON 10/01/11
Brisbane R at Moggill #	6.42m rising	11:14 PM MON 10/01/11
Brisbane R at Jindalee Br #	3.9m rising	10:59 PM MON 10/01/11
Brisbane R at City Gauge #	1.05m rising	11:09 PM MON 10/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 4:06 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge, with strong stream rises expected during Tuesday.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam are expected to increase levels in Brisbane during Tuesday.

At the Brisbane City Gauge, minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

LOCKYER CREEK:
Extremely heavy rainfall during Monday led to extreme rises in the Lockyer Creek catchment and Laidley Creek at Mulgowie. Record flood levels of 18.92 metres were recorded at Gatton Monday evening before the station failed. This level was well above the previous record peak of 16.33 metres from the February 1893 flood.

The main flood waters are currently arriving at Lyons Bridge, with strong stream rises expected in the next few hours. The Lockyer Creek at Glenore Grove peaked at 14.60 metres at 11:30pm, which is 0.3 metres below the 1974 flood.

Renewed stream rises have commenced in Lockyer Creek at Lyons Bridge with a peak between 16 and 16.5 metres expected Tuesday morning. This is likely to be similar in level to the 1996 flood.

BREMER RIVER:
The Bremer River at Walloon has exceeded the moderate flood level. The Bremer River at Rosewood peaked at 5.8 metres around midnight monday.

The Bremer River at Ipswich is expected to reach about 12.7 metres on Tuesday afternoon. Higher levels are possible.

WARRILL CREEK
Warrill Creek at Amberley peaked at 5.98 metres around 9pm Monday.

MIDDLE AND LOWER BRISBANE:
Moderate flooding is developing at Savages Crossing and at Mt Crosby Weir.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and levels of about 3 metres are expected with the high tides on Wednesday causing moderate flooding.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest

tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach about 12.7 metres (major) during Tuesday afternoon.

Moggill: Reach about 12 metres (minor) during Tuesday afternoon.

Jindalee: Reach about 7 metres (minor) overnight Tuesday.

Brisbane: Reach about 2.1 metres (minor) with the afternoon high tide on Tuesday. Reach about 3 metres (moderate) with the high tides on Wednesday.

(3 metres at the Brisbane City gauge is about 1.5 metres higher than the highest tide of the year at this location).

Further rises are possible at all four locations depending on further rain.

Next Issue:
The next warning will be issued at about 8am Tuesday.

Latest River Heights:

Lockyer Ck at Helidon #	12.68m steady	03:02 PM MON 10/01/11
Flagstone Ck at Brown-Zirbels Rd *	3.49m falling	02:10 AM TUE 11/01/11
Sandy Creek at Sandy Creek Road #	2.15m falling	03:19 AM TUE 11/01/11
Ma Ma Ck at Harm's *	3.26m rising	02:30 AM TUE 11/01/11
Tenthill Ck at Tenthill *	5.57m rising	02:40 AM TUE 11/01/11
Lockyer Ck at Gatton #	18.92m rising	06:30 PM MON 10/01/11
Laidley Ck at Mulgowie *	6.39m rising	02:20 AM TUE 11/01/11
Laidley Ck at Laidley	8.7m falling slowly	10:00 PM MON 10/01/11
Laidley Ck at Showground Weir #	7.84m rising	03:25 AM TUE 11/01/11
Laidley Ck at Warrego Hwy *	6.41m rising	02:00 AM TUE 11/01/11
Lockyer Ck at Glenore Grove #	13.8m falling	03:24 AM TUE 11/01/11
Lockyer Ck at Lyons Br #	15.55m rising	03:23 AM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	15.39m rising	02:40 AM TUE 11/01/11
Lockyer Ck at O'Reilly's Weir #	18m falling	03:28 AM TUE 11/01/11
Brisbane R at Lowood Pump Stn #	15.93m falling	03:31 AM TUE 11/01/11
Brisbane R at Savages Crossing #	15.89m rising	03:29 AM TUE 11/01/11
Brisbane R at Burtons Br #	12.22m rising	03:29 AM TUE 11/01/11
Brisbane R at Kholo Br #	7.99m rising	03:29 AM TUE 11/01/11
Brisbane R at Mt Crosby #	15.82m steady	03:30 AM TUE 11/01/11
Brisbane R at Mt Crosby #	14.08m falling	04:39 PM MON 10/01/11
Brisbane R at Colleges Crossing #	13.91m rising	03:32 AM TUE 11/01/11
Bremer R at Rosewood#	5.56m falling	03:11 AM TUE 11/01/11
Bremer R at Five Mile Br Walloon #	6.4m rising	03:15 AM TUE 11/01/11
Warrill Ck at Greens Rd Amberley #	5.84m falling	03:29 AM TUE 11/01/11
Bremer R at One Mile Br #	13.75m rising	03:31 AM TUE 11/01/11
Bremer R at Hancocks Br Brassall #	11.33m rising	03:22 AM TUE 11/01/11
Bremer R at Ipswich #	8.55m rising	03:31 AM TUE 11/01/11
Brisbane R at Moggill #	7.07m rising	03:29 AM TUE 11/01/11
Brisbane R at Jindalee Br #	4.5m rising	03:29 AM TUE 11/01/11
Brisbane R at City Gauge #	1.4m falling	03:15 AM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 9:28 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Continuing heavy rainfall in the Lockyer Creek catchment is causing very fast rises along Tenthill Creek.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge, with strong stream rises during Tuesday and levels of above 17 metres are forecast.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will increase levels in Brisbane during Tuesday.

At the Brisbane City Gauge, minor flood levels of about 2.1 metres are expected with the afternoon high tide on Tuesday and moderate flood levels of 2.6 metres with the overnight high tide. Further rises to 3.5 metres (major) is expected with the high tide on Wednesday afternoon with higher levels likely on Thursday.

LOCKYER CREEK:
Very heavy rainfall is continuing in the Lockyer Creek catchment and further very fast rises are being observed along Tenthill Creek this morning. Renewed rises are likely in the lower catchment during Tuesday prolonging major flooding. The Lockyer Creek at Glenore Grove peaked at 14.60 metres at 11:30pm, which is 0.3 metres below the 1974 flood. Renewed rises are likely at Glenore Grove today with a return to above 14 metres.

The main flood peak from Monday is currently approaching Lyons Bridge, with strong stream rises expected in the next few hours. A peak is expected above 17 metres at Lyons Bridge later today.

BREMER RIVER:
The Bremer River at Walloon has exceeded the moderate flood level. The Bremer River at Rosewood peaked at 5.8 metres around midnight Monday but renewed rises are expected as rainfall continues.

The Bremer River at Ipswich is expected to reach about 16 metres during Wednesday. Higher levels are expected.

WARRILL CREEK
Further rises are likely today as rainfall continues.

MIDDLE AND LOWER BRISBANE:
Moderate flooding will continue to rise at Savages Crossing and at Mt Crosby Weir.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), minor flood levels of about 2.1 metres are expected with the afternoon high tide

on Tuesday and moderate flood levels of 2.6 metres with the overnight high tide. Higher flood levels to 3.5 metres (major) are expected with the high tide on Wednesday afternoon. Levels above 3.5 metres are expected on Thursday.

(3.5 metres at the Brisbane City gauge is about 2.5 metres higher than the highest tide of the year at this location).

Predicted River Heights/Flows:
Ipswich: Reach at least 16 metres (major) during Wednesday; further rises.

Moggill: Reach at least 15 metres (moderate) during Wednesday; further rises.

Jindalee: Reach at least 9 metres (moderate) late Wednesday; further rises.

Brisbane City: Reach about 2.6 metres (moderate) with the overnight high tide tonight. Reach 3.5 metres (major) with the high tides on Wednesday. Higher levels are expected on Thursday with the high tides.

(3.5 metres at the Brisbane City gauge is about 2 metres higher than the highest tide of the year at this location).

Further rises are expected at all four locations with continued rainfall.

Next Issue:
The next warning will be issued at about 3:30pm Tuesday.

Latest River Heights:

Flagstone Ck at Brown-Zirbels Rd *	3.53m rising	05:40 AM TUE 11/01/11
Sandy Creek at Sandy Creek Road #	2.9m rising	06:56 AM TUE 11/01/11
Ma Ma Ck at Harm's *	2.96m rising	05:40 AM TUE 11/01/11
Tenthill Ck at Tenthill *	5.57m rising	05:46 AM TUE 11/01/11
Laidley Ck at Mulgowie *	6.83m rising	05:00 AM TUE 11/01/11
Laidley Ck at Laidley	8.7m falling slowly	10:00 PM MON 10/01/11
Laidley Ck at Showground Weir *	8.74m rising	05:40 AM TUE 11/01/11
Laidley Ck at Warrego Hwy *	6.28m rising	05:00 AM TUE 11/01/11
Lockyer Ck at Glenore Grove #	13.48m rising	06:52 AM TUE 11/01/11
Lockyer Ck at Lyons Br #	16.09m rising	06:56 AM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	15.78m rising	05:40 AM TUE 11/01/11
Brisbane R at Lowood Pump Stn #	16.21m rising	06:55 AM TUE 11/01/11
Brisbane R at Savages Crossing #	16.17m rising	06:53 AM TUE 11/01/11
Brisbane R at Burtons Br #	12.92m rising	06:50 AM TUE 11/01/11
Brisbane R at Mt Crosby #	16.23m rising	06:36 AM TUE 11/01/11
Brisbane R at Colleges Crossing #	14.51m rising	06:57 AM TUE 11/01/11
Bremer R at Rosewood #	5.32m rising	06:41 AM TUE 11/01/11
Warrill Ck at Amberley DNR *	6.78m rising	05:20 AM TUE 11/01/11
Bremer R at Ipswich #	9.25m rising	06:50 AM TUE 11/01/11
Brisbane R at Moggill #	7.62m rising	06:45 AM TUE 11/01/11
Brisbane R at Jindalee Br #	4.75m rising	06:26 AM TUE 11/01/11
Brisbane R at City Gauge #	0.95m falling	06:30 AM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 3:24 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected with the overnight high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 36 hours.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

LOCKYER CREEK:
Very heavy rainfall is continuing in the Lockyer Creek catchment and further very fast rises are being observed. Major flooding will continue this evening throughout the catchment. Flood levels at Glenore Grove were at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood is expected to reach at least 7.6 metres during the next few hours.

The Bremer River at Ipswich is expected to reach about 22 metres during Wednesday. Higher levels are possible as rainfall continues.

WARRILL CREEK
Further rises are likely today as rainfall continues with major flooding from Kalbar to Amberley continuing. Levels at Amberley are expected to reach at least 7.5 metres overnight.

MIDDLE AND LOWER BRISBANE:
Moderate flooding will continue to rise at Savages Crossing and at Mt Crosby Weir with major flood levels exceeded overnight.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected tonight with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

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Predicted River Heights/Flows:
Ipswich:  Reach at least 22 metres (major) during Wednesday; further rises.

Moggill:  Reach at least 22 metres (moderate) during Wednesday; further rises.

Jindalee: Reach at least 14.2 metres (moderate) late Wednesday; further rises.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
               Reach 4.5 metres (major) at 3pm Wednesday.
               Exceed 1974 flood level (5.45 metres) on Thursday.


Next Issue:
The next warning will be issued at about 7pm Tuesday.

Latest River Heights:
Tenthill Ck at Tenthill *         5.58m rising   02:30 PM TUE 11/01/11
Laidley Ck at Laidley             8.85m steady   01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #   9.26m rising   03:10 PM TUE 11/01/11
Laidley Ck at Warrego Hwy *       7.37m steady   02:00 PM TUE 11/01/11
Lockyer Ck at Glenore Grove #     15.24m rising  03:04 PM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *    16.65m rising  02:20 PM TUE 11/01/11
Brisbane R at Savages Crossing *  20.48m rising  02:40 PM TUE 11/01/11
Brisbane R at Mt Crosby #         20.10m rising  03:20 PM TUE 11/01/11
Brisbane R at Colleges Crossing # 15.41m rising  03:21 PM TUE 11/01/11
Bremer R at Rosewood #            7.48m rising   03:08 PM TUE 11/01/11
Bremer R at Walloon DERM *        9.85m rising   02:40 PM TUE 11/01/11
Warrill Ck at Amberley DNR *      8.09m rising   02:40 PM TUE 11/01/11
Bremer R at Ipswich #             12.05m rising  03:18 PM TUE 11/01/11
Brisbane R at Moggill #           10.22m rising  03:14 PM TUE 11/01/11
Brisbane R at Jindalee Br #       6.7m rising    03:11 PM TUE 11/01/11
Brisbane R at City Gauge #        1.9m rising    01:01 PM TUE 11/01/11

*automatic station


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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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Australian Government Bureau of Meteorology
Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE
BROADCASTING.


PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 8:05 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.
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At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected with the overnight high tide. Higher flood levels to about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 36 hours.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

LOCKYER CREEK:
Very heavy rainfall is continuing in the Lockyer Creek catchment and further very fast rises are being observed. Major flooding will continue this evening throughout the catchment. Flood levels at Glenore Grove were at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The main flood waters in the Lockyer Creek are now arriving at Lyons Bridge and are continuing to increase near record levels.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood has peaked at 7.5 metres around 5pm Tuesday.

The Bremer River at Ipswich is expected to reach around 21.5 metres during Wednesday.

WARRILL CREEK
Further rises are likely today as rainfall continues with major flooding from Kalbar to Amberley continuing. Levels at Amberley are expected to reach at least 8.0 metres overnight.

MIDDLE AND LOWER BRISBANE:
Moderate flooding will continue to rise at Savages Crossing and at Mt Crosby Weir with major flood levels exceeded overnight.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected tonight with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Predicted River Heights/Flows:
Ipswich: Reach about 21.5 metres (major) during Wednesday; further rises possible.

Moggill: Reach about 21 metres (moderate) during Wednesday; further rises possible.

Jindalee: Reach about 14.2 metres (moderate) late Wednesday; further rises possible.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach about 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about midnight Tuesday.

Latest River Heights:

Tenthill Ck at Tenthill *	5.05m	falling	06:20 PM TUE 11/01/11
Laidley Ck at Mulgowie *	1.9m	steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m	steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	9.24m	falling	07:31 PM TUE 11/01/11
Laidley Ck at Warrego Hwy *	7.37m	steady	06:00 PM TUE 11/01/11
Lockyer Ck at Glenore Grove #	15.26m	rising	07:31 PM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	16.66m	rising	05:30 PM TUE 11/01/11
Brisbane R at Savages Crossing *	21.67m	rising	05:40 PM TUE 11/01/11
Brisbane R at Kholo Br #	12.77m	rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m	rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	7.24m	falling	07:29 PM TUE 11/01/11
Bremer R at Walloon DERM *	11.27m	rising	06:00 PM TUE 11/01/11
Warrill Ck at Amberley DNR *	8.69m	rising	05:40 PM TUE 11/01/11
Bremer R at Ipswich #	14.85m	falling	07:33 PM TUE 11/01/11
Brisbane R at Moggill #	12.17m	rising	07:32 PM TUE 11/01/11
Brisbane R at Jindalee Br #	7.95m	rising	07:23 PM TUE 11/01/11
Brisbane R at City Gauge #	1.75m	falling	06:57 PM TUE 11/01/11

*,# denotes an automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE
BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 12:19 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street),
moderate flood levels of about 3 metres are expected with the overnight high
tide. Higher flood levels to about 4.5 metres (major) are expected with the high
tide on Wednesday afternoon. River rises will continue into Thursday with levels
higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane
City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River
flows from the Bremer and Lockyer catchments combined with releases from

Wivenhoe dam will continue to increase flood levels in Brisbane during the next 36 hours.

LOCKYER CREEK:
Major flooding will continue tonight in the Lockyer Creek catchment. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. Levels at Amberley are expected to reach at least 8.0 metres overnight.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood has peaked at 7.5 metres around 5pm Tuesday.

The Bremer River at Ipswich is expected to reach around 21.5 metres during Wednesday causing major flooding. This level is 0.8 metres higher than the 1974 flood peak at Ipswich.

MIDDLE AND LOWER BRISBANE:
Major flood levels have been exceeded at Savages Crossing and Mount Crosby Weir, with further rises expected overnight.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres are expected tonight with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Predicted River Heights/Flows:
Ipswich: Reach about 21.5 metres (major) during Wednesday; further rises possible.

Moggill: Reach about 21 metres (moderate) during Wednesday; further rises possible.

Jindalee: Reach about 14.2 metres (moderate) late Wednesday; further rises possible.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach about 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about 4am Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	4.71m falling	09:20 PM TUE 11/01/11
Laidley Ck at Mulgowie *	1.9m steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	9.24m rising	11:28 PM TUE 11/01/11
Laidley Ck at Warrego Hwy *	7.37m steady	09:00 PM TUE 11/01/11
Lockyer Ck at Glenore Grove #	14.88m falling	11:38 PM TUE 11/01/11
Lockyer Ck at Rifle Range Rd *	16.64m steady	08:00 PM TUE 11/01/11
Brisbane R at Savages Crossing *	22.97m rising	08:40 PM TUE 11/01/11

Brisbane R at Kholo Br #	12.77m rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	6.76m falling	11:35 PM TUE 11/01/11
Bremer R at Walloon DERM *	11.07m falling	09:00 PM TUE 11/01/11
Warrill Ck at Amberley DNR *	9m rising	08:40 PM TUE 11/01/11
Bremer R at Ipswich #	16.55m rising	11:36 PM TUE 11/01/11
Brisbane R at Moggill #	13.87m rising	11:32 PM TUE 11/01/11
Brisbane R at Jindalee Br #	9.2m rising	11:35 PM TUE 11/01/11
Brisbane R at City Gauge #	2.26m rising	11:33 PM TUE 11/01/11

*,# automatic station

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Australian Government Bureau of Meteorology
Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE
BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 4:02 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street)
rises are expected during Wednesday. River levels around 4.5 metres (major) are
expected with the high tide on Wednesday afternoon. River rises will continue
into Thursday with levels higher than 1974 expected. The 1974 flood peak was
5.45 metres at the Brisbane City gauge.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River
flows from the Bremer and Lockyer catchments combined with releases from
Wivenhoe dam will continue to increase flood levels in Brisbane during the next
36 hours.

LOCKYER CREEK:
Major flooding will continue tonight in the Lockyer Creek catchment. Flood
levels at Glenore Grove peaked at 15.2 metres at 3pm, which is 0.3 metres above
the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. Levels at Amberley are
expected to reach at least 8.0 metres overnight.

BREMER RIVER:
The Bremer River at Walloon has exceeded the major flood level. The Bremer River at Rosewood has peaked at 7.5 metres around 5pm Tuesday.

The Bremer River at Ipswich is expected to reach around 21.5 metres during Wednesday causing major flooding. This level is 0.8 metres higher than the 1974 flood peak at Ipswich.

MIDDLE AND LOWER BRISBANE:
Major flooding is occuring along the Brisbane River from downstream of Wivenhoe dam to Jindalee, with further rises expected downstream of Savages Crossing during Wednesday.

Major flood levels have been exceeded at Savages Crossing, with a peak recorded early Wednesday morning.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with levels higher than 1974 expected. The 1974 flood peak was 5.45 metres at the Brisbane City gauge.

Predicted River Heights/Flows:
Ipswich: Reach about 21.5 metres (major) during Wednesday; further rises possible.

Moggill: Reach about 21 metres (moderate) during Wednesday; further rises possible.

Jindalee: Reach about 14.2 metres (moderate) late Wednesday; further rises possible.

Brisbane City: Reach about 3 metres (moderate) around 3am Wednesday.
Reach about 4.5 metres (major) at 3pm Wednesday.
Exceed 1974 flood level (5.45 metres) on Thursday.

Next Issue:
The next warning will be issued at about 8am Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	3.03m	steady	02:40 AM WED 12/01/11
Laidley Ck at Mulgowie *	1.9m	steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m	steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	8.9m	falling	03:25 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	7.2m	falling	02:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	14.06m	falling	03:26 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.59m	falling	02:10 AM WED 12/01/11
Brisbane R at Savages Crossing *	24.13m	rising	02:40 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m	rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m	rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	6.28m	falling	03:23 AM WED 12/01/11
Bremer R at Walloon DERM *	10.27m	falling	02:00 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.13m	steady	02:20 AM WED 12/01/11
Bremer R at Ipswich #	18.2m	rising	03:19 AM WED 12/01/11
Brisbane R at Moggill #	15.37m	rising	03:20 AM WED 12/01/11
Brisbane R at Jindalee Br #	10.35m	rising	03:17 AM WED 12/01/11
Brisbane R at City Gauge #	3.01m	rising	03:24 AM WED 12/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 7:33 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

At at 7:30am Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 3.1 metres and rising. Rises will continue during Wednesday and overnight.

At the Brisbane City gauge, river levels of about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 24 hours.

LOCKYER CREEK:
Major flooding will continue this morning in the Lockyer Creek catchment with levels expected to start falling significantly today. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm Tuesday, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak to just over 8 metres is occurring at Amberley this morning.

BREMER RIVER
Major flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level.

MIDDLE AND LOWER BRISBANE:

Major flooding is rising from the Savages Crossing area to Jindalee along the Brisbane River.

At Savages Crossing, a major flood peak of 24.2 metres has been recorded early Wednesday morning, slightly above the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Predicted River Heights/Flows:
Ipswich: Peak about 20.5 metres (major) during Wednesday afternoon.

Moggill: Peak about 20 metres (moderate) during Wednesday afternoon.

Jindalee: Peak about 14.2 metres (moderate) by midnight.

Brisbane City: Reach about 4.5 metres (major) at 3pm Wednesday.
Peak about 5.5 metres (major) during Thursday.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:

Laidley Ck at Laidley	8.85m	steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	7.26m	falling	06:01 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	6.86m	falling	05:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	13.42m	falling	06:01 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.55m	falling	05:40 AM WED 12/01/11
Brisbane R at Savages Crossing *	23.85m	falling	05:40 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m	rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m	rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	5.9m	falling	06:02 AM WED 12/01/11
Bremer R at Walloon DERM *	9.58m	falling	05:40 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.2m	rising	05:20 AM WED 12/01/11
Bremer R at Ipswich #	18.6m	rising	05:53 AM WED 12/01/11
Brisbane R at Moggill #	16.27m	rising	05:53 AM WED 12/01/11
Brisbane R at Jindalee Br #	11.1m	rising	06:02 AM WED 12/01/11
Brisbane R at City Gauge #	3.10m	rising	07:30 AM WED 12/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology

Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 7:56 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 7:30 am Wednesday, flood levels at Ipswich are at 19 metres and rising. A peak is expected this afternoon of about 20.5 metres. This is similar to the 1974 flood level.

BRISBANE: At 7:30am Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 3.1 metres and rising. Rises will continue during Wednesday and overnight.

At the Brisbane City gauge, river levels of about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 24 hours.

LOCKYER CREEK:
Major flooding will continue this morning in the Lockyer Creek catchment with levels expected to start falling significantly today. Flood levels at Glenore Grove peaked at 15.2 metres at 3pm Tuesday, which is 0.3 metres above the 1974 flood level.

The Lockyer Creek at Lyons Bridge peaked at 17.25 metres around 6pm Tuesday.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak to just over 8 metres is occurring at Amberley this morning.

BREMER RIVER
Major flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Savages Crossing area to Jindalee along the Brisbane River.

At Savages Crossing, a major flood peak of 24.2 metres has been recorded early Wednesday morning, slightly above the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with a peak

of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Predicted River Heights/Flows:
Ipswich: Peak about 20.5 metres (major) during Wednesday afternoon.

Moggill: Peak about 20 metres (moderate) during Wednesday afternoon.

Jindalee: Peak about 14.2 metres (moderate) by midnight.

Brisbane City: Reach about 4.5 metres (major) at 3pm Wednesday.
Peak about 5.5 metres (major) during Thursday.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.67m	falling	06:00 AM WED 12/01/11
Laidley Ck at Mulgowie *	1.9m	steady	08:50 AM TUE 11/01/11
Laidley Ck at Laidley	8.85m	steady	01:20 PM TUE 11/01/11
Laidley Ck at Showground Weir #	6.56m	falling	07:37 AM WED 12/01/11
Laidley Ck at Warrego Hwy *	6.75m	falling	06:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #	13.04m	falling	07:39 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.55m	falling	05:40 AM WED 12/01/11
Brisbane R at Savages Crossing *	23.85m	falling	05:40 AM WED 12/01/11
Brisbane R at Kholo Br #	12.77m	rising	03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #	15.81m	rising	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	5.64m	falling	07:38 AM WED 12/01/11
Bremer R at Walloon DERM *	9.53m	falling	06:00 AM WED 12/01/11
Warrill Ck at Amberley DNR *	9.2m	rising	05:20 AM WED 12/01/11
Bremer R at Ipswich #	18.85m	rising	07:29 AM WED 12/01/11
Brisbane R at Moggill #	16.72m	rising	07:38 AM WED 12/01/11
Brisbane R at Jindalee Br #	11.5m	rising	07:41 AM WED 12/01/11
Brisbane R at City Gauge #	3.15m	rising	07:39 AM WED 12/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE

INCLUDING BRISBANE CITY
Issued at 11:56 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 11:30 am Wednesday, flood levels at Ipswich are at 19.3 metres and rising. A peak is expected this afternoon of about 20.5 metres. This is similar to the 1974 flood level.

BRISBANE: At 11:45am Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 3.75 metres and rising. Rises will continue during Wednesday afternoon and overnight.

At the Brisbane City gauge, river levels of about 4.5 metres (major) are expected with the high tide on Wednesday afternoon. River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Wivenhoe dam is providing significant mitigation of upper Brisbane floods. River flows from the Bremer and Lockyer catchments combined with releases from Wivenhoe dam will continue to increase flood levels in Brisbane during the next 24 hours.

LOCKYER CREEK:
Major flooding will continue this morning in the Lockyer Creek catchment with levels expected to start falling significantly today.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak to just over 8 metres is occurring at Amberley today.

BREMER RIVER
Major flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is expected to peak about 20.5 metres during Wednesday afternoon with major flooding. This is similar to the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Savages Crossing area to Jindalee along the Brisbane River.

At Savages Crossing, a major flood peak of 24.2 metres has been recorded early Wednesday morning, slightly above the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), moderate flood levels of about 3 metres were recorded with the 3am high tide. Higher flood levels to 4.5 metres (major) are expected with the high tide on Wednesday afternoon (3pm). River rises will continue into Thursday with a peak of about 5.5 metres expected with the high tides at 4am and 4pm. Levels will remain high throughout Thursday. This is similar to the 1974 flood peak of 5.45 metres.

Predicted River Heights/Flows:
Ipswich: Peak about 20.5 metres (major) during Wednesday afternoon.

Moggill: Peak about 20 metres (moderate) during Wednesday afternoon.

Jindalee: Peak about 14.2 metres (moderate) by midnight.

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Brisbane City: Reach about 4.5 metres (major) at 3pm Wednesday.
               Peak about 5.5 metres (major) during Thursday.
               Fall below major flood level during Friday.


Next Issue:
The next warning will be issued at about 4pm Wednesday.

Latest River Heights:
Laidley Ck at Laidley              5.1m steady    08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #    5.92m falling  11:34 AM WED 12/01/11
Laidley Ck at Warrego Hwy *        6.19m falling  10:00 AM WED 12/01/11
Lockyer Ck at Glenore Grove #      12.02m falling 11:36 AM WED 12/01/11
Lockyer Ck at Rifle Range Rd *     16.5m falling  08:20 AM WED 12/01/11
Brisbane R at Savages Crossing *   23.25m falling 08:20 AM WED 12/01/11
Brisbane R at Kholo Br #           12.77m rising  03:28 PM TUE 11/01/11
Brisbane R at Colleges Crossing #  15.81m rising  04:05 PM TUE 11/01/11
Bremer R at Rosewood #             5.08m falling  11:32 AM WED 12/01/11
Bremer R at Walloon DERM *         8.55m falling  10:30 AM WED 12/01/11
Warrill Ck at Amberley DNR *       9.25m steady   08:00 AM WED 12/01/11
Bremer R at Ipswich #              19.3m rising   11:27 AM WED 12/01/11
Brisbane R at Moggill #            17.42m rising  11:20 AM WED 12/01/11
Brisbane R at Jindalee Br #        12.25m rising  11:35 AM WED 12/01/11
Brisbane R at City Gauge #         3.7m rising    11:15 AM WED 12/01/11

*automatic station


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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Australian Government Bureau of Meteorology
Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE
BROADCASTING.


PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 4:29 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 4pm Wednesday, flood levels at Ipswich are at 19.4 metres and
steady. Based on upstream peak levels, it is likely to peak at around current
levels which will be maintained into this evening.

BRISBANE: At 4pm Wednesday, the Brisbane City gauge (lower end of Edward Street
and at Thornton Street) was 4.3 metres and rising. Rises will continue during
Wednesday afternoon and overnight.
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At the Brisbane City gauge, river rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am. Levels will remain high throughout Thursday.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly overnight.

LOCKYER CREEK:
Minor to major flooding will continue this afternoon in the Lockyer Creek catchment with levels expected to start falling significantly today.

WARRILL CREEK:
Major flooding continues from Kalbar to Amberley. A flood peak just over 8 metres occurred at Amberley today.

BREMER RIVER
Moderate to minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich is currently at 19.4 metres, and is expected to peak up to 19.5 metres during Wednesday evening with major flooding. This is around 1.2 metres below the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding is rising from the Moggill area to Brisbane City along the Brisbane River.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), flood levels reached 4.2 metres on the 3pm high tide with major flooding. River rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am Thursday. This is slightly below to the 1974 flood peak of 5.45 metres. Levels will remain high throughout Thursday.

Predicted River Heights/Flows:
Ipswich: Peak around 19.5 metres (major) during Wednesday evening.

Moggill: Peak around 18.5 metres (major) during Wednesday afternoon.

Jindalee: Peak about 13 metres (major) by midnight.

Brisbane City: Peak about 5.2 metres (major) with the high tide at 4am Thursday.
Fall below major flood level during Friday.

Next Issue:
The next warning will be issued at about 8pm Wednesday.

Latest River Heights:

Laidley Ck at Showground Weir #	5.66m	falling	03:10 PM WED 12/01/11
Laidley Ck at Warrego Hwy *	5.56m	falling	02:00 PM WED 12/01/11
Lockyer Ck at Glenore Grove #	10.72m	falling	03:11 PM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.29m	rising	02:40 PM WED 12/01/11
Brisbane R at Savages Crossing *	20.62m	falling	02:50 PM WED 12/01/11
Brisbane R at Colleges Crossing #	15.81m	falling	04:05 PM TUE 11/01/11
Bremer R at Rosewood #	4.7m	falling	03:08 PM WED 12/01/11
Bremer R at Walloon DERM *	7.38m	falling	02:40 PM WED 12/01/11

Warrill Ck at Amberley DNR *	9.1m falling	02:40 PM WED 12/01/11
Bremer R at Ipswich #	19.4m rising	04:00 PM WED 12/01/11
Brisbane R at Moggill #	17.67m rising	03:11 PM WED 12/01/11
Brisbane R at Jindalee Br #	12.7m rising	03:11 PM WED 12/01/11
Brisbane R at City Gauge #	4.3m rising	04:00 PM WED 12/01/11

*automatic station

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Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 8:11 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich peaked at 19.4 metres during Wednesday, and are beginning to fall. River levels are expected to continue falling into Thursday.

BRISBANE: At 8pm Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.2 metres.

At the Brisbane City gauge, river rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am. Levels will remain high throughout Thursday.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing tonight.

WARRILL CREEK:
Moderate to major flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich peaked at 19.4 metres Wednesday afternoon, and is continuing to fall. This peak was around 1.3 metres below the 1974 flood level.

MIDDLE AND LOWER BRISBANE:

Major flooding is rising from the Moggill area to Brisbane City along the Brisbane River.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. This was about 2 metres below the 1974 peak at this location.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), flood levels reached 4.2 metres on the 3pm high tide with major flooding. River rises will continue this evening with a peak of about 5.2 metres expected with the high tide at 4am Thursday. This is slightly below to the 1974 flood peak of 5.45 metres. Levels will remain high throughout Thursday.

Predicted River Heights/Flows:

Jindalee: Peak about 13 metres (major) by midnight.

Brisbane City: Peak about 5.2 metres (major) with the high tide at 4am Thursday.
Fall below major flood level during Friday.

Next Issue:
The next warning will be issued at about midnight Wednesday.

Latest River Heights:

Laidley Ck at Showground Weir #	5.46m	falling	07:37 PM WED 12/01/11
Laidley Ck at Warrego Hwy *	5.2m	falling	05:00 PM WED 12/01/11
Lockyer Ck at Glenore Grove #	9.38m	falling	07:37 PM WED 12/01/11
Lockyer Ck at Rifle Range Rd *	16.15m	falling	05:40 PM WED 12/01/11
Brisbane R at Savages Crossing *	19.52m	falling	05:40 PM WED 12/01/11
Bremer R at Rosewood #	4.32m	falling	07:26 PM WED 12/01/11
Bremer R at Walloon DERM *	6.52m	falling	05:40 PM WED 12/01/11
Warrill Ck at Amberley DNR *	8.84m	falling	05:40 PM WED 12/01/11
Bremer R at Ipswich #	19.05m	falling	08:00 PM WED 12/01/11
Brisbane R at Moggill #	17.52m	falling	07:20 PM WED 12/01/11
Brisbane R at Jindalee Br #	12.9m	rising	07:35 PM WED 12/01/11
Brisbane R at City Gauge #	4.2m	steady	08:00 PM WED 12/01/11

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Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING.

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 12:27 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich peaked at 19.4 metres during Wednesday, and are beginning to fall. River levels are expected to continue falling into Thursday.

BRISBANE: At 10pm Wednesday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.2 metres following the high tide. Renewed rises with the tide are expected, with a peak under 5 metres expected with the high tide at 4am. Levels will remain high throughout Thursday.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing into Thursday.

WARRILL CREEK:
Moderate to major flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich peaked at 19.4 metres Wednesday afternoon, and is continuing to fall. This peak was around 1.3 metres below the 1974 flood level.

MIDDLE AND LOWER BRISBANE:
Major flooding continues from the Mount Crosby area to Brisbane City along the Brisbane River.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. This was about 2 metres below the 1974 peak at this location.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday.

At the Brisbane City Gauge (lower end of Edward Street and at Thornton Street), flood levels reached 4.2 metres on the 3pm high tide with major flooding. River rises will continue with a peak under 5 metres expected with the high tide about 4am Thursday. This is below the 1974 flood peak of 5.45 metres. Levels will remain high throughout Thursday.

Predicted River Heights/Flows:

Brisbane City: Peak under 5 metres (major) with the high tide at 4am Thursday.
Fall below major flood level by Friday.

Next Issue:
The next warning will be issued at about 4am Thursday.

Latest River Heights:

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Laidley Ck at Laidley              5.1m steady    08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #    5.36m falling  10:31 PM WED 12/01/11
Laidley Ck at Warrego Hwy *        4.85m falling  10:00 PM WED 12/01/11
Lockyer Ck at Glenore Grove #      8.68m falling  11:28 PM WED 12/01/11
Lockyer Ck at Rifle Range Rd *     15.96m falling 08:40 PM WED 12/01/11
Brisbane R at Savages Crossing *   18.48m falling 08:40 PM WED 12/01/11
Bremer R at Rosewood #             4.1m steady    11:26 PM WED 12/01/11
Bremer R at Walloon DERM *         5.59m falling  10:00 PM WED 12/01/11
Warrill Ck at Amberley DNR *       8.48m falling  08:40 PM WED 12/01/11
Bremer R at Ipswich #              18.55m falling 11:34 PM WED 12/01/11
Brisbane R at Moggill #            17.02m falling 11:29 PM WED 12/01/11
Brisbane R at Jindalee Br #        12.75m falling 11:23 PM WED 12/01/11
Brisbane R at City Gauge #         4.25m rising   11:45 PM WED 12/01/11


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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Queensland

BROADCASTERS ARE REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE
BROADCASTING.


PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 3:52 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich are falling strongly, and have fallen below 18
metres around 3am Thursday. River levels will continue falling during Thursday,
and drop below major flood level later Thursday.

BRISBANE: At 3:30am Thursday, the Brisbane City gauge (lower end of Edward
Street and at Thornton Street) was 4.45 metres and rising with the high tide. A
peak slightly above this level is expected in the next few hours.

This is below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam
were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing during Thursday.

WARRILL CREEK:
Moderate to major flooding continues from Kalbar to Amberley, with flood levels
now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.
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The Bremer River at Ipswich is falling strongly, and has fallen below 18 metres at around 3am Thursday. River levels will continue falling during Thursday.

MIDDLE AND LOWER BRISBANE:
Major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Mount Crosby Weir, a major flood peak of 26.2 metres was recorded on Wednesday morning, slightly below the 1974 peak level at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. This was about 2 metres below the 1974 peak at this location.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday.

At 3:30am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) was 4.45 metres and rising with the high tide. A peak slightly above this level is expected in the next few hours.

Predicted River Heights/Flows:

Brisbane City: Peak around 4.6 metres (major) with the high tide about 4am Thursday.
Fall below major flood level by Friday.

Next Issue:
The next warning will be issued at about 8am Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.74m	falling	02:00 AM THU 13/01/11
Laidley Ck at Laidley	5.1m	steady	08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #	5.32m	falling	03:25 AM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.68m	falling	02:00 AM THU 13/01/11
Lockyer Ck at Glenore Grove #	8.2m	falling	03:15 AM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	15.06m	falling	02:40 AM THU 13/01/11
Brisbane R at Savages Crossing *	16.7m	falling	02:40 AM THU 13/01/11
Bremer R at Rosewood #	3.92m	falling	03:14 AM THU 13/01/11
Bremer R at Walloon DERM *	5.01m	falling	02:00 AM THU 13/01/11
Warrill Ck at Amberley DNR *	7.71m	falling	02:40 AM THU 13/01/11
Bremer R at Ipswich #	17.85m	falling	03:16 AM THU 13/01/11
Brisbane R at Moggill #	16.27m	falling	03:14 AM THU 13/01/11
Brisbane R at Jindalee Br #	12.45m	falling	02:59 AM THU 13/01/11
Brisbane R at City Gauge #	4.45m	rising	02:57 AM THU 13/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology

Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 8:40 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich are falling and have fallen below 17 metres at 8am Thursday. River levels will drop below major flood level overnight.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At 8am Thursday, the Brisbane City gauge was 4.2 metres and falling. A return to flood levels of around 4.2 metres is expected with the high tide at 4pm Thursday.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing during Thursday.

WARRILL CREEK:
Moderate flooding continues from Kalbar to Amberley, with flood levels now falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich has fallen below 17 metres at 8am Thursday. River levels will continue falling during Thursday with levels of about 15 metres

MIDDLE AND LOWER BRISBANE:
Major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Savages Crossing, a major flood peak of 24.1 metres was recorded on Wednesday morning, slightly higher than the 1974 peak level (23.8m) at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. Flood levels of around 14.5 metres are expected by 4pm Thursday.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday. Flood levels of around 11 metres are expected by around 4pm Thursday.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels will recede this morning before rising again to around 4.2 metres with the high tide at 4pm today. Flood levels of around 3.1 metres

Predicted River Heights/Flows:
Ipswich: Fall to around 15 metres by 4pm Thursday, then about 11 metres by 5am Friday.

Moggill: Fall to about 14.5 metres by 4pm Thursday, then about 10 metres by 5am Friday.

Jindalee: Fall to about 11 metres by 4pm Thursday, then about 6 metres by 5am Friday.

Brisbane City: Fall this morning before rising again with the tide to around 4.2

metres by 4pm, then about 3.2 metres with the 5am high tide on Friday.

Next Issue:
The next warning will be issued at about 1pm Thursday.

Latest River Heights:

Laidley Ck at Laidley	5.1m steady	08:45 AM WED 12/01/11
Laidley Ck at Showground Weir #	5.26m falling	06:19 AM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.57m falling	06:00 AM THU 13/01/11
Lockyer Ck at Glenore Grove #	7.84m falling	07:39 AM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	14.46m falling	05:40 AM THU 13/01/11
Brisbane R at Savages Crossing *	16.06m rising	05:40 AM THU 13/01/11
Bremer R at Rosewood #	3.74m falling	07:17 AM THU 13/01/11
Bremer R at Walloon DERM *	4.59m falling	06:00 AM THU 13/01/11
Warrill Ck at Amberley DNR *	7.39m falling	05:40 AM THU 13/01/11
Bremer R at Ipswich #	16.9m falling	07:35 AM THU 13/01/11
Brisbane R at Moggill #	15.27m falling	07:41 AM THU 13/01/11
Brisbane R at Jindalee Br #	11.85m falling	07:32 AM THU 13/01/11
Brisbane R at City Gauge #	4.26m falling	07:24 AM THU 13/01/11

*automatic station

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Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 12:57 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich are falling and have fallen below 17 metres at 8am Thursday. River levels will drop below major flood level overnight.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At noon Thursday, the Brisbane City gauge was 3.91 metres steady. A return to flood levels of around 4.2 metres are expected with the high tide at 4pm Thursday.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Major flooding in the lower Lockyer Creek will continue easing during Thursday.

WARRILL CREEK:
Moderate flooding continues from Kalbar to Amberley, with flood levels now

falling.

BREMER RIVER
Minor flooding is easing along the Bremer River from Rosewood to Walloon.

The Bremer River at Ipswich has fallen below 17 metres at 8am Thursday. River levels will continue falling during Thursday with levels of about 15 metres

MIDDLE AND LOWER BRISBANE:
Major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Savages Crossing, a major flood peak of 24.1 metres was recorded on Wednesday morning, slightly higher than the 1974 peak level (23.8m) at this location.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. Flood levels of around 10 metres are expected by 5am Friday.

At Jindalee, a peak of 13 metres was observed at about 7pm Wednesday. Flood levels of around 11 metres are expected by around 4pm Thursday.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels will rise again to around 4.2 metres with the high tide at 4pm today. Flood levels of around 3.2 metres are expected with the high tide at 5am Friday.

Predicted River Heights/Flows:
Ipswich: Fall to around 15 metres by 4pm Thursday, then about 11 metres by 5am Friday.

Moggill: Fall to about 14.5 metres by 4pm Thursday, then about 10 metres by 5am Friday.

Jindalee: Fall to about 11 metres by 4pm Thursday, then about 6 metres by 5am Friday.

Brisbane City: Rise again this afternoon with the tide to around 4.2 metres by 4pm, then about 3.2 metres with the 5am high tide on Friday.

Next Issue:
The next warning will be issued at about 6pm Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.58m	falling	11:00 AM THU 13/01/11
Laidley Ck at Showground Weir #	5.22m	falling	12:19 PM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.47m	falling	11:00 AM THU 13/01/11
Lockyer Ck at Glenore Grove #	7.44m	falling	12:35 PM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	13.14m	falling	11:40 AM THU 13/01/11
Brisbane R at Savages Crossing *	15.01m	rising	11:30 AM THU 13/01/11
Bremer R at Rosewood #	3.52m	falling	12:35 PM THU 13/01/11
Bremer R at Walloon DERM *	4.26m	falling	11:00 AM THU 13/01/11
Warrill Ck at Amberley DNR *	6.89m	falling	11:40 AM THU 13/01/11
Bremer R at Ipswich #	15.6m	falling	12:37 PM THU 13/01/11
Brisbane R at Moggill #	14.02m	falling	12:41 PM THU 13/01/11
Brisbane R at Jindalee Br #	10.95m	falling	12:26 PM THU 13/01/11
Brisbane R at City Gauge #	3.9m	falling	12:03 PM THU 13/01/11

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Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 5:41 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich fell below 15 metres at 3pm Thursday. River levels will fall below major flood level overnight.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At 5pm Thursday the Brisbane City gauge was 3.6 metres and falling, and will continue to fall during Thursday evening.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Moderate flooding in the lower Lockyer Creek will continue easing during Thursday evening.

WARRILL CREEK:
Moderate flooding continues from Harrisville to Amberley, with flood levels falling steadily.

BREMER RIVER
The Bremer River from Rosewood to Walloon continues to fall and is now below minor flood level.

Major flood levels in the Bremer River at Ipswich continue to fall. The level at Ipswich passed through 15 metres at 2:45 pm Thursday and will fall below major flood level overnight Thursday.

MIDDLE AND LOWER BRISBANE:
Moderate to major flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Moggill, a peak of 17.9 metres was observed during Wednesday afternoon. Flood levels of around 11 metres are expected by 5am Friday.

The flood level at Jindalee at 5:30pm Thursday was 9.9 metres and continuing to fall.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels had dropped to 3.75 metres with the high tide at 4pm Thursday. Flood levels of around 3 metres are expected

with the high tide at 5am Friday.

Predicted River Heights/Flows:
Ipswich: Fall to around 12 metres by 5am Friday.

Moggill: Fall to about 11 metres by 5am Friday.

Jindalee: Fall to about 7 metres by 5am Friday.

Brisbane City: Fall to about 3 metres with the 5am high tide on Friday.

Next Issue:
The next warning will be issued at about 10pm Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.47m falling	04:00 PM THU 13/01/11
Laidley Ck at Showground Weir #	5.16m falling	05:16 PM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.43m steady	04:00 PM THU 13/01/11
Lockyer Ck at Glenore Grove #	7.12m falling	05:19 PM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	12.54m falling	02:40 PM THU 13/01/11
Brisbane R at Savages Crossing *	14.5m falling	02:30 PM THU 13/01/11
Bremer R at Rosewood #	3.36m falling	05:17 PM THU 13/01/11
Bremer R at Walloon DERM *	4.03m falling	04:00 PM THU 13/01/11
Warrill Ck at Amberley DNR *	6.69m falling	02:40 PM THU 13/01/11
Bremer R at Ipswich #	14.2m falling	05:22 PM THU 13/01/11
Brisbane R at Moggill #	12.77m falling	05:20 PM THU 13/01/11
Brisbane R at Jindalee Br #	9.95m falling	05:14 PM THU 13/01/11
Brisbane R at City Gauge #	3.61m falling	05:24 PM THU 13/01/11

*automatic station

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Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 10:06 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Flood levels at Ipswich fell below 13 metres at 9pm Thursday. River levels will fall below the major flood level (11.7 metres) Friday morning.

BRISBANE: At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. At 9pm Thursday the Brisbane City gauge was 3.06 metres and falling, and will continue to fall overnight Thursday.

The flood peak was below the 1974 flood peak of 5.45 metres as releases at Wivenhoe Dam were reduced quickly during Tuesday night.

LOCKYER CREEK:
Minor flooding in the lower Lockyer Creek will continue easing overnight Thursday.

WARRILL CREEK:
Minor to moderate flooding continues from Harrisville to Amberley, with flood levels falling steadily.

BREMER RIVER:
Major flood levels in the Bremer River at Ipswich continue to fall. The level at Ipswich passed through 13 metres at 9pm Thursday and will fall below major flood level (11.7 metres) Friday morning.

MIDDLE AND LOWER BRISBANE:
Moderate flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At Moggill, minor flood levels of around 11 metres are expected by 5am Friday.

The flood level at Jindalee at 9:30pm Thursday was 9 metres and continuing to fall with moderate flooding.

At 4am Thursday, the Brisbane City gauge (lower end of Edward Street and at Thornton Street) peaked at 4.46 metres. Flood levels of around 2.8 metres are expected with the high tide at 5am Friday.

Predicted River Heights/Flows:
Ipswich: Fall to around 12 metres by 5am Friday. Fall to about 9.5 metres on the 5pm Friday high tide.

Moggill: Fall to about 11 metres by 5am Friday. Fall to about 9.5 metres on the 5pm Friday high tide.

Jindalee: Fall to about 7 metres by 5am Friday. Fall to about 6 metres on the 5pm Friday high tide.

Brisbane City: Fall to about 2.8 metres with the 5am high tide on Friday. Fall below the moderate flood level (2.6 metres) by 5pm Friday with the high tide.

Next Issue:
The next warning will be issued at about 7am Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.42m	falling	08:00 PM THU 13/01/11
Laidley Ck at Showground Weir #	5.12m	steady	08:52 PM THU 13/01/11
Laidley Ck at Warrego Hwy *	4.43m	steady	08:00 PM THU 13/01/11
Lockyer Ck at Glenore Grove #	6.86m	falling	09:29 PM THU 13/01/11
Lockyer Ck at Rifle Range Rd *	11.29m	falling	08:40 PM THU 13/01/11
Brisbane R at Savages Crossing *	14.26m	rising	08:30 PM THU 13/01/11
Bremer R at Rosewood #	3.26m	falling	09:11 PM THU 13/01/11
Bremer R at Walloon DERM *	3.89m	falling	08:00 PM THU 13/01/11
Warrill Ck at Amberley DNR *	6.36m	falling	08:40 PM THU 13/01/11
Bremer R at Ipswich #	12.85m	falling	09:40 PM THU 13/01/11
Brisbane R at Moggill #	11.62m	falling	09:35 PM THU 13/01/11
Brisbane R at Jindalee Br #	8.95m	falling	09:32 PM THU 13/01/11
Brisbane R at City Gauge #	3.01m	falling	09:24 PM THU 13/01/11

*,# from automatic station

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Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 7:10 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 7am Friday, flood levels at Ipswich were 10.4 metres and falling.
The rate of fall will continue more slowly during Friday and through the
weekend.

BRISBANE: At 6am Thursday the Brisbane City gauge was 2.7 metres and falling and
will continue to fall during Friday. The rate of fall is expected to decrease
overnight and levels will fall more slowly over the weekend.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the Bremer River continue to fall. At 7am Friday, flood
levels at Ipswich were 10.4 metres. The rate of fall will continue more slowly
during Friday and through the weekend.

MIDDLE AND LOWER BRISBANE:
Moderate to minor flooding continues along the Brisbane River from the Mount
Crosby area to Brisbane City.

At 6am Thursday the Brisbane City gauge was 2.7 metres and falling, and will
continue to fall during Friday. The rate of fall is likely to decrease overnight
and levels will fall more slowly over the weekend.

Predicted River Heights/Flows:
Ipswich: Fall to about 10.5 metres by 5pm Friday, falling
slowly through the weekend.

Jindalee: Fall to about 6 metres today, falling slowly through
the weekend.

Brisbane City: Fall below the moderate flood level (2.6 metres) by 5pm
Friday with the high tide, falling slowly through the
weekend.

Next Issue:
The next warning will be issued at about 1pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.3m steady	05:00 AM FRI 14/01/11
Laidley Ck at Showground Weir #	5.08m steady	05:52 AM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.43m steady	05:00 AM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.5m falling	05:53 AM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.97m falling	05:40 AM FRI 14/01/11
Brisbane R at Savages Crossing *	14.77m falling	05:40 AM FRI 14/01/11
Bremer R at Rosewood #	3.06m falling	05:32 AM FRI 14/01/11
Bremer R at Walloon DERM *	3.61m falling	05:00 AM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.97m falling	05:40 AM FRI 14/01/11
Bremer R at Ipswich #	10.55m falling	05:57 AM FRI 14/01/11
Brisbane R at Moggill #	9.72m falling	05:59 AM FRI 14/01/11
Brisbane R at Jindalee Br #	7.25m falling	05:38 AM FRI 14/01/11
Brisbane R at City Gauge #	2.7m falling	06:00 AM FRI 14/01/11

*automatic station

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Australian Government Bureau of Meteorology
Queensland

Correction to Previous Issue

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 8:36 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 8am Friday, flood levels at Ipswich were 10.25 metres and falling.
The rate of fall will continue more slowly during Friday and through the
weekend.

BRISBANE: At 8am Thursday the Brisbane City gauge was 2.4 metres and falling and
will continue to fall during Friday. The rate of fall is expected to decrease
overnight and levels will fall more slowly over the weekend.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the Bremer River continue to fall. At 8am Friday, flood
levels at Ipswich were 10.25 metres. The rate of fall will continue more slowly

during Friday and through the weekend.

MIDDLE AND LOWER BRISBANE:
Moderate to minor flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At 8am Friday the Brisbane City gauge was 2.4 metres and falling, and will continue to fall during Friday. The rate of fall is likely to decrease overnight and levels will fall more slowly over the weekend.

Predicted River Heights/Flows:

Ipswich:	Fall to about 10.5 metres by 5pm Friday, falling slowly through the weekend.
Jindalee:	Fall to about 6 metres today, falling slowly through the weekend.
Brisbane City:	Continue to fall during today and during the weekend. Some rises with the high tide at about 5pm Friday.

Next Issue:
The next warning will be issued at about 1pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.28m	falling	07:00 AM FRI 14/01/11
Laidley Ck at Showground Weir #	5.08m	steady	05:52 AM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	07:00 AM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.42m	falling	08:02 AM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.74m	falling	08:20 AM FRI 14/01/11
Brisbane R at Savages Crossing *	14.77m	falling	05:40 AM FRI 14/01/11
Bremer R at Rosewood #	3m	falling	07:44 AM FRI 14/01/11
Bremer R at Walloon DERM *	3.55m	falling	07:00 AM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.89m	falling	08:10 AM FRI 14/01/11
Bremer R at Ipswich #	10.2m	steady	08:27 AM FRI 14/01/11
Brisbane R at Moggill #	9.37m	falling	08:17 AM FRI 14/01/11
Brisbane R at Jindalee Br #	6.95m	falling	08:23 AM FRI 14/01/11
Brisbane R at City Gauge #	2.4m	falling	08:09 AM FRI 14/01/11

*,# denotes automatic station.

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PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 1:23 PM on Friday the 14th of January 2011

by the Bureau of Meteorology, Brisbane.

IPSWICH: At 12 noon Friday, flood levels at Ipswich were 9.75 metres and falling. The rate of fall will continue more slowly during Friday and through the weekend.

BRISBANE: At 12 noon Friday the Brisbane City gauge was 1.91 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the lower Bremer River continue to fall. At 12 noon Friday, flood levels at Ipswich were 9.75 metres. The rate of fall will continue more slowly during Friday and through the weekend.

MIDDLE AND LOWER BRISBANE:
Moderate to minor flooding continues along the Brisbane River from the Mount Crosby area to Brisbane City.

At 12 noon Friday the Brisbane City gauge was 1.91 metres and falling. Minor flood levels at the Brisbane City gauge will continue to fall, although there will be fluctuations with the high and low tides.

Predicted River Heights/Flows:

Ipswich:	Fall to about 9.5 metres by 5pm Friday, and continue falling slowly through the weekend.
Jindalee:	Fall to about 6 metres today, and continue falling slowly through the weekend.
Brisbane City:	Rises with the afternoon tide reaching about 2.1 metres by 5 pm Friday. Rises with the morning high tide reaching about 2.3 metres by 6am Saturday.

Next Issue:
The next warning will be issued at about 5pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.23m	falling	11:00 AM FRI 14/01/11
Laidley Ck at Showground Weir #	5.08m	steady	11:52 AM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	11:00 AM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.32m	steady	12:20 PM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.52m	falling	11:40 AM FRI 14/01/11
Brisbane R at Savages Crossing *	14.83m	falling	11:40 AM FRI 14/01/11
Bremer R at Rosewood #	2.9m	falling	12:02 PM FRI 14/01/11
Bremer R at Walloon DERM *	3.43m	falling	11:00 AM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.77m	falling	11:30 AM FRI 14/01/11
Bremer R at Ipswich #	9.7m	falling	12:25 PM FRI 14/01/11
Brisbane R at Moggill #	8.92m	falling	12:23 PM FRI 14/01/11
Brisbane R at Jindalee Br #	6.4m	falling	12:26 PM FRI 14/01/11
Brisbane R at City Gauge #	1.9m	falling	12:12 PM FRI 14/01/11

*# denotes automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 5:04 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 3:45pm Friday, flood levels at Ipswich were 9.4 metres and falling.
The rate of fall will continue more slowly during Friday evening and during the
weekend.

BRISBANE: At 4pm Friday the Brisbane City gauge was 2.0 metres and falling.
Minor flood levels at the Brisbane City gauge will continue to fall, although
there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the lower Bremer River continue to fall. The rate of
fall will continue more slowly during Friday evening and during the weekend.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River
from Savages Crossing to Brisbane City.

At 4pm Friday the Brisbane City gauge was 2.0 metres and falling. Minor flood
levels at the Brisbane City gauge will continue to fall, although there will be
fluctuations with the high and low tides.

Predicted River Heights/Flows:
Ipswich: Fall below the moderate flood level [9.0] early in
the weekend.

Brisbane City: Rises with the Saturday morning high tide reaching
about 2.3 metres by 6am Saturday.

Next Issue:
The next warning will be issued at about 8pm Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.19m	falling	03:00 PM FRI 14/01/11
Laidley Ck at Showground Weir #	5.04m	falling	04:31 PM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	03:00 PM FRI 14/01/11

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Lockyer Ck at Glenore Grove #     6.16m falling  04:38 PM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *    9.35m falling  02:40 PM FRI 14/01/11
Brisbane R at Savages Crossing *  14.79m falling 02:40 PM FRI 14/01/11
Bremer R at Rosewood #            2.82m falling  04:02 PM FRI 14/01/11
Bremer R at Walloon DERM *        3.31m falling  03:00 PM FRI 14/01/11
Warrill Ck at Amberley DNR *      5.63m steady   03:00 PM FRI 14/01/11
Bremer R at Ipswich #             9.35m falling  04:17 PM FRI 14/01/11
Brisbane R at Moggill #           8.62m falling  04:23 PM FRI 14/01/11
Brisbane R at Jindalee Br #       6.1m steady    04:07 PM FRI 14/01/11
Brisbane R at City Gauge #        2.01m steady   04:01 PM FRI 14/01/11


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 7:25 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: At 6:40pm Friday, flood levels at Ipswich were 9.15 metres and falling.
The rate of fall will continue more slowly Friday evening and during the
weekend.

BRISBANE: At 7pm Friday the Brisbane City gauge was 1.91 metres and falling.
Minor flood levels at the Brisbane City gauge will continue to fall, although
there will be fluctuations with the high and low tides.


WARRILL CREEK:
Minor flooding continues to ease from Harrisville to Amberley.

BREMER RIVER:
Moderate flood levels in the lower Bremer River continue to fall. The rate of
fall will continue more slowly during Friday evening and during the weekend.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River
from Savages Crossing to Brisbane City.

At 7pm Friday the Brisbane City gauge was 1.91 metres and falling, after
reaching 2.0 metres with the afternoon high tide. Minor flood levels at the
Brisbane City gauge will continue to fall, although there will be fluctuations
with the high and low tides.


Predicted River Heights/Flows:
Ipswich:        Fall below the moderate flood level [9.0] early in
                the weekend.
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Brisbane City: Rises with the Saturday morning high tide reaching
                about 2.3 metres by 6am Saturday.

Next Issue:
The next warning will be issued at about 8am Saturday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.16m	falling	06:00 PM FRI 14/01/11
Laidley Ck at Showground Weir #	5.02m	falling	06:34 PM FRI 14/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	06:00 PM FRI 14/01/11
Lockyer Ck at Glenore Grove #	6.1m	steady	07:02 PM FRI 14/01/11
Lockyer Ck at Rifle Range Rd *	9.21m	falling	05:30 PM FRI 14/01/11
Brisbane R at Savages Crossing *	14.66m	falling	05:40 PM FRI 14/01/11
Bremer R at Rosewood #	2.78m	falling	06:26 PM FRI 14/01/11
Bremer R at Walloon DERM *	3.23m	falling	06:00 PM FRI 14/01/11
Warrill Ck at Amberley DNR *	5.53m	falling	05:30 PM FRI 14/01/11
Bremer R at Ipswich #	9.15m	falling	06:41 PM FRI 14/01/11
Brisbane R at Moggill #	8.47m	falling	06:59 PM FRI 14/01/11
Brisbane R at Jindalee Br #	5.95m	steady	07:07 PM FRI 14/01/11
Brisbane R at City Gauge #	1.9m	falling	07:01 PM FRI 14/01/11

*# denotes automatic station

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
Issued at 8:15 AM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Minor flood levels are continuing to ease slowly in the Bremer River at
Ipswich.

BRISBANE: At 7am Saturday the Brisbane City gauge was at 2.06 metres with the
morning high tide. Minor flood levels at the Brisbane City gauge will ease
gradually over the next few days, although there will be fluctuations with the
high and low tides.

WARRILL CREEK:
Minor flooding continues to ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flood levels in the lower Bremer River continue to fall slowly. At 7:30am
Saturday, flood levels at Ipswich were 8.45 metres and falling slowly. Flood

levels are expected to fall below the minor flood level overnight Sunday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 7am Saturday the Brisbane City gauge was at 2.06 metres with the morning high tide. Minor flood levels at the Brisbane City gauge will ease gradually over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below minor flood level by next Wednesday.

Predicted River Heights/Flows:
Ipswich: Fall below the minor flood level overnight Sunday

Brisbane City: Rises with the Saturday afternoon high tide reaching about 2.0 metres by 6pm Saturday.

Next Issue:
The next warning will be issued at about 2pm Saturday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.07m	steady	06:00 AM SAT 15/01/11
Laidley Ck at Showground Weir #	4.96m	steady	05:52 AM SAT 15/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	06:00 AM SAT 15/01/11
Lockyer Ck at Glenore Grove #	5.78m	steady	07:15 AM SAT 15/01/11
Lockyer Ck at Rifle Range Rd *	8.64m	falling	05:30 AM SAT 15/01/11
Brisbane R at Savages Crossing *	14.57m	rising	05:40 AM SAT 15/01/11
Bremer R at Rosewood #	2.58m	falling	07:35 AM SAT 15/01/11
Bremer R at Walloon DERM *	3.03m	steady	06:00 AM SAT 15/01/11
Warrill Ck at Amberley DNR *	5.12m	falling	05:30 AM SAT 15/01/11
Bremer R at Ipswich #	8.45m	falling	07:26 AM SAT 15/01/11
Brisbane R at Moggill #	7.92m	falling	07:17 AM SAT 15/01/11
Brisbane R at Jindalee Br #	5.45m	steady	07:07 AM SAT 15/01/11
Brisbane R at City Gauge #	2.06m	steady	07:01 AM SAT 15/01/11

*# denotes automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
Issued at 1:38 PM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Minor flood levels are continuing to ease slowly in the Bremer River at

Ipswich.

BRISBANE: At 1pm Saturday the Brisbane City gauge was at 1.3 metres and steady. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flood levels in the lower Bremer River continue to fall slowly. At 12 noon Saturday, flood levels at Ipswich were 8.45 metres and falling very slowly. Flood levels are expected to fall below the minor flood level overnight Sunday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 1pm Saturday the Brisbane City gauge was at 1.3 metres and steady with the low tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below minor flood level by next Wednesday.

Predicted River Heights/Flows:

Ipswich:	Fall below the minor flood level [7.0 metres] overnight Sunday
Brisbane City:	Rises with the Saturday afternoon high tide reaching about 2.0 metres by 6pm Saturday.

Next Issue:
The next warning will be issued at about 7pm Saturday.

Latest River Heights:

Tenthill Ck at Tenthill *	1.02m	falling	12:00 PM SAT 15/01/11
Laidley Ck at Showground Weir #	4.96m	steady	11:52 AM SAT 15/01/11
Laidley Ck at Warrego Hwy *	4.42m	steady	12:00 PM SAT 15/01/11
Lockyer Ck at Glenore Grove #	5.64m	steady	01:11 PM SAT 15/01/11
Lockyer Ck at Rifle Range Rd *	8.39m	falling	11:30 AM SAT 15/01/11
Brisbane R at Savages Crossing *	14.51m	falling	11:30 AM SAT 15/01/11
Bremer R at Rosewood #	2.5m	falling	12:02 PM SAT 15/01/11
Bremer R at Walloon DERM *	2.95m	falling	12:00 PM SAT 15/01/11
Warrill Ck at Amberley DNR *	4.92m	falling	11:40 AM SAT 15/01/11
Bremer R at Ipswich #	8.45m	falling	12:00 PM SAT 15/01/11
Brisbane R at Moggill #	7.82m	steady	01:16 PM SAT 15/01/11
Brisbane R at Jindalee Br #	5.25m	steady	01:07 PM SAT 15/01/11
Brisbane R at City Gauge #	1.3m	steady	01:01 PM SAT 15/01/11

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
Issued at 6:35 PM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

IPSWICH: Minor flood levels are continuing to ease slowly in the Bremer River at Ipswich.

BRISBANE: At 3pm Saturday the Brisbane City gauge was at 1.4 metres. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides.

WARRILL CREEK:
Minor flooding continues to ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flood levels in the lower Bremer River continue to fall slowly. At 3pm Saturday, flood levels at Ipswich were 8.35 metres and falling very slowly. Flood levels are expected to fall below the minor flood level overnight Sunday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 3pm Saturday the Brisbane City gauge was at 1.4 metres and steady with the low tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below minor flood level by next Wednesday.

Predicted River Heights/Flows:

Ipswich:	Fall below the minor flood level [7.0 metres] overnight Sunday
Brisbane City:	Rises with the Sunday morning high tide up to about 2.2 metres.

Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:

Bremer R at Walloon DERM *	2.9m	steady	05:00 PM SAT 15/01/11
Warrill Ck at Amberley DNR *	4.76m	falling	05:30 PM SAT 15/01/11
Bremer R at Ipswich #	8.3m	steady	05:27 PM SAT 15/01/11
Brisbane R at Moggill #	7.72m	rising	06:05 PM SAT 15/01/11
Brisbane R at Jindalee Br #	5.15m	falling	04:38 PM SAT 15/01/11
Brisbane R at City Gauge #	1.61m	rising	05:18 PM SAT 15/01/11

*automatic station

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
Issued at 7:22 AM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to slowly ease in the Bremer River at Ipswich. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. At 7am Sunday the Brisbane City gauge was at 1.95 metres (minor) and rising with the high tide.

WARRILL CREEK:
Minor flooding continues to slowly ease in Warrill Creek at Amberley.

BREMER RIVER:
Minor flooding continues to slowly ease in the lower Bremer River. At 5:30am Sunday, the river level at Ipswich was 8.00 metres and falling very slowly. Flood levels are expected to ease below the minor flood level during the next few days.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River from Savages Crossing to Brisbane City.

At 7am Sunday the Brisbane City gauge was at 1.95 metres and rising with the high tide. Minor flood levels at the Brisbane City gauge will gradually ease over the next few days, although there will be fluctuations with the high and low tides. Levels should fall below the minor flood level by Wednesday.

Predicted River Heights/Flows:

Ipswich:	Fall below the minor flood level [7.0 metres] during Monday.
Brisbane City:	Rises and minor flooding continues with the fluctuating high tide during the next few days. Fall below the minor flood level [1.7 metres] by Wednesday.

Next Issue:
The next warning will be issued at about 8am Monday.

Latest River Heights:

Lockyer Ck at Rifle Range Rd *	7.64m	falling	05:30 AM SUN 16/01/11
Brisbane R at Savages Crossing *	14.5m	steady	05:40 AM SUN 16/01/11
Bremer R at Rosewood #	2.32m	falling	06:00 AM SUN 16/01/11
Warrill Ck at Amberley DNR *	4.42m	falling	05:40 AM SUN 16/01/11
Bremer R at Ipswich #	8m	steady	05:26 AM SUN 16/01/11
Brisbane R at Moggill #	7.52m	steady	04:16 AM SUN 16/01/11
Brisbane R at Jindalee Br #	5m	rising	05:59 AM SUN 16/01/11

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Brisbane R at City Gauge #        1.9m rising   06:27 AM SUN 16/01/11

*,# denotes automatic station.


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
Issued at 7:33 AM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to slowly ease in the Bremer River at Ipswich. Minor
flood levels at the Brisbane City gauge will gradually ease over the next few
days, although there will be fluctuations with the high and low tides. At 7am
Monday the Brisbane City gauge was at 1.96 metres (minor) and rising with the
high tide.


BREMER RIVER:
Minor flooding continues to slowly ease in the lower Bremer River. At 5:50am
Monday, the river level at Ipswich was 7.80 metres and falling very slowly.
Flood levels are expected to ease below the minor flood level during the next
few days.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues to ease slowly along the Brisbane River
from Savages Crossing to Brisbane City.

At 7am Monday the Brisbane City gauge was at 1.96 metres and rising with the
high tide. Minor flood levels at the Brisbane City gauge will gradually ease
over the next few days, although there will be fluctuations with the high and
low tides. Levels should fall below the minor flood level by Wednesday.


Predicted River Heights/Flows:
Ipswich:        Fall below the minor flood level [7.0 metres] during
                Monday/Tuesday.

Brisbane City:  Rises and minor flooding continues with the fluctuating
                high tide during the next few days. Fall below the
                minor flood level [1.7 metres] by Wednesday.


Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:
Laidley Ck at Showground Weir #   4.84m steady   05:52 AM MON 17/01/11
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Laidley Ck at Warrego Hwy *       4.42m steady   06:00 AM MON 17/01/11
Lockyer Ck at Glenore Grove #     5.04m steady   07:02 AM MON 17/01/11
Lockyer Ck at Rifle Range Rd *    6.92m falling  05:40 AM MON 17/01/11
Brisbane R at Savages Crossing *  14.39m rising  05:40 AM MON 17/01/11
Brisbane R at Mt Crosby #         16.42m falling 07:09 AM MON 17/01/11
Bremer R at Rosewood #            2.1m falling   06:59 AM MON 17/01/11
Bremer R at Walloon DERM *        2.6m steady    06:00 AM MON 17/01/11
Warrill Ck at Amberley DNR *      3.88m falling  05:10 AM MON 17/01/11
Bremer R at Ipswich #             7.85m rising   07:13 AM MON 17/01/11
Brisbane R at Moggill #           7.37m steady   07:16 AM MON 17/01/11
Brisbane R at Jindalee Br #       4.85m steady   07:07 AM MON 17/01/11
Brisbane R at City Gauge #        1.96m rising   07:03 AM MON 17/01/11

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
Issued at 3:27 PM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues in the Bremer River at Ipswich. Minor flood levels at
the Brisbane City gauge will gradually ease with tidal fluctuations.


BREMER RIVER:
Minor flooding continues in the lower Bremer River at Ipswich. At 2:30pm Monday,
the river level at Ipswich was 8 metres. Flood levels are expected to fall below
the minor flood level during Tuesday.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues along the Brisbane River from Savages
Crossing to Brisbane City.

Minor flood levels at the Brisbane City gauge will continue to ease with tidal
fluctuations. Levels are expected to fall below the minor flood level by
Wednesday.


Predicted River Heights/Flows:
Ipswich:        Fall below the minor flood level (7 metres) during
                Tuesday.

Brisbane City:  Minor flood levels will continue with the morning high
      tide on Tuesday. Fall below the minor flood level (1.7
metres) by Wednesday.
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Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Tenthill Ck at Tenthill *	0.76m steady	02:00 PM MON 17/01/11
Laidley Ck at Showground Weir #	4.88m steady	02:52 PM MON 17/01/11
Laidley Ck at Warrego Hwy *	2.13m falling	02:00 PM MON 17/01/11
Lockyer Ck at Glenore Grove #	4.94m falling	03:08 PM MON 17/01/11
Lockyer Ck at Rifle Range Rd *	6.76m falling	11:20 AM MON 17/01/11
Brisbane R at Savages Crossing *	14.01m falling	03:00 PM MON 17/01/11
Bremer R at Rosewood #	2.02m steady	02:26 PM MON 17/01/11
Bremer R at Walloon DERM *	2.55m steady	02:00 PM MON 17/01/11
Warrill Ck at Amberley DNR *	3.77m falling	11:20 AM MON 17/01/11
Bremer R at Ipswich #	8m steady	02:26 PM MON 17/01/11
Brisbane R at Moggill #	7.32m falling	03:10 PM MON 17/01/11
Brisbane R at Jindalee Br #	4.85m falling	02:10 PM MON 17/01/11
Brisbane R at City Gauge #	0.95m falling	02:30 PM MON 17/01/11

*automatic station

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IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
Issued at 8:36 AM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease along the middle reach of the
Brisbane River between Savages Crossing and the Mt Crosby Crossing. Minor flood
levels at the Brisbane City gauge will gradually ease with tidal fluctuations.

BREMER RIVER:
River levels have eased below minor along the lower Bremer River. At 8:10am
Tuesday, the river level at Ipswich was 6.45 metres and falling.

MIDDLE AND LOWER BRISBANE:
Minor to moderate flooding continues along the Brisbane River from Savages
Crossing to Brisbane City.

Minor flood levels at the Brisbane City gauge will continue to ease with tidal
fluctuations. Levels are expected to fall below the minor flood level by
Wednesday.

Predicted River Heights/Flows:
Brisbane City: Minor flood levels will continue with the morning high
                tide on Tuesday. Fall below the minor flood level

(1.7 metres) by Wednesday.

Weather Forecast:
A shower or two and the chance of a thunderstorm during the afternoon and evening.

Next Issue:
The next warning will be issued at about 9am Wednesday.

Latest River Heights:

Lockyer Ck at Glenore Grove #	4.78m	steady	07:02 AM TUE 18/01/11
Lockyer Ck at Rifle Range Rd *	6.33m	falling	06:00 AM TUE 18/01/11
Brisbane R at Savages Crossing *	11.31m	falling	06:30 AM TUE 18/01/11
Bremer R at Rosewood #	1.96m	falling	06:41 AM TUE 18/01/11
Bremer R at Walloon DERM *	2.45m	steady	07:00 AM TUE 18/01/11
Warrill Ck at Amberley DNR *	3.51m	steady	06:20 AM TUE 18/01/11
Bremer R at Ipswich #	6.45m	falling	08:08 AM TUE 18/01/11
Brisbane R at Moggill #	5.92m	falling	08:10 AM TUE 18/01/11
Brisbane R at Jindalee Br #	4.05m	steady	07:07 AM TUE 18/01/11
Brisbane R at City Gauge #	1.96m	rising	07:57 AM TUE 18/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
Issued at 8:18 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding is falling fast at Mt Crosby and levels will drop below minor this morning. Elsewhere in the catchment, river levels are now below minor flood heights.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Tenthill Ck at Tenthill *	2.15m	falling	07:00 AM WED 19/01/11
Laidley Ck at Showground Weir #	4.86m	falling	06:31 AM WED 19/01/11
Laidley Ck at Warrego Hwy *	2.08m	rising	07:00 AM WED 19/01/11
Lockyer Ck at Glenore Grove #	4.8m	steady	08:15 AM WED 19/01/11
Lockyer Ck at Rifle Range Rd *	5.89m	steady	07:10 AM WED 19/01/11
Brisbane R at Savages Crossing *	7.53m	falling	07:10 AM WED 19/01/11
Bremer R at Rosewood #	1.86m	falling	07:56 AM WED 19/01/11
Bremer R at Walloon DERM *	2.39m	steady	07:00 AM WED 19/01/11
Warrill Ck at Amberley DNR *	3.68m	rising	07:10 AM WED 19/01/11

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Bremer R at Ipswich #             3.15m falling 08:05 AM WED 19/01/11
Brisbane R at Moggill #           2.82m falling 07:43 AM WED 19/01/11
Brisbane R at Jindalee Br #       2.05m rising  08:13 AM WED 19/01/11
Brisbane R at City Gauge #        1.65m rising  08:14 AM WED 19/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

PRIORITY
PRELIMINARY FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE
BREMER RIVER
Issued at 7:38 PM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Thunderstorms during Wednesday afternoon and early evening are producing
isolated rainfall rates of up to 65mm an hour across some of the tributaries of
the Lockyer and Warrill Creeks and the Bremer River, which may result in flash
flooding to some of these smaller creeks and streams during Wednesday evening.
Fast stream rises have been observed in Tenthill Creek and in Western Creek.

The thunderstorm has become fast moving and is currently approaching the Ipswich
area. Very heavy rainfall rates have also been observed in the Teviot Brook in
the Logan catchment.

Next Issue:
The next warning will be issued at about 8:30pm Wednesday.

Latest River Heights:
Tenthill Ck at Tenthill *          2.92m rising  06:30 PM WED 19/01/11
Laidley Ck at Showground Weir #    4.86m rising  06:43 PM WED 19/01/11
Laidley Ck at Warrego Hwy *        1.95m falling 06:00 PM WED 19/01/11
Lockyer Ck at Glenore Grove #      4.78m rising  07:03 PM WED 19/01/11
Lockyer Ck at Rifle Range Rd *     6m falling    05:40 PM WED 19/01/11
Brisbane R at Savages Crossing *   4.14m falling 05:30 PM WED 19/01/11
Bremer R at Rosewood #             2.06m rising  07:08 PM WED 19/01/11
Bremer R at Walloon DERM *         2.35m steady  06:00 PM WED 19/01/11
Warrill Ck at Amberley DNR *       3.49m falling 05:40 PM WED 19/01/11
Bremer R at Ipswich #              1.75m falling 07:08 PM WED 19/01/11
Brisbane R at Moggill #            1.12m falling 07:13 PM WED 19/01/11
Brisbane R at Jindalee Br #        0.75m rising  07:13 PM WED 19/01/11
Brisbane R at City Gauge #         0.5m rising   07:05 PM WED 19/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 8:39 PM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall totals of between 30mm to 60mm have been recorded during the 3 hours to 8:30pm Wednesday, with the thunderstorms currently in the Brisbane City and Northern Suburbs and in the Strathpine areas. Streams rises and some minor flooding is expected during this evening in the tributaries of the Lockyer and Warrill Creeks and the Bremer River.

Strong rises and moderate flooding is occurring in Western Creek at Grandchester, with continued rises and major flooding expected. Fast stream rises are expected in the Ipswich and Brisbane Creeks, which may result in some minor flooding during this evening.

Next Issue:
The next warning will be issued at about 10:30pm Wednesday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.81m	falling	07:20 PM WED 19/01/11
Laidley Ck at Showground Weir #	5.12m	rising	08:19 PM WED 19/01/11
Laidley Ck at Warrego Hwy *	1.95m	steady	07:00 PM WED 19/01/11
Lockyer Ck at Glenore Grove #	4.78m	rising	07:03 PM WED 19/01/11
Lockyer Ck at Rifle Range Rd *	6m	falling	05:40 PM WED 19/01/11
Brisbane R at Savages Crossing *	4.14m	falling	05:30 PM WED 19/01/11
Bremer R at Rosewood #	2.22m	rising	08:26 PM WED 19/01/11
Bremer R at Walloon DERM *	2.34m	steady	07:00 PM WED 19/01/11
Warrill Ck at Amberley DNR *	3.49m	falling	05:40 PM WED 19/01/11
Bremer R at Ipswich #	1.6m	steady	08:26 PM WED 19/01/11
Brisbane R at Moggill #	1.02m	falling	07:49 PM WED 19/01/11
Brisbane R at Jindalee Br #	1.1m	rising	08:22 PM WED 19/01/11
Brisbane R at City Gauge #	0.86m	rising	07:59 PM WED 19/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 10:40 PM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30mm to 60mm have been recorded with the thunderstorms during Wednesday afternoon and early evening. Streams rises are being recorded during this Wednesday evening along Lockyer and Warrill Creeks and the Bremer River.

Moderate flooding is rising fast in Laidley Creek at Showground Weir, with moderate flood levels easing in Western Creek at Grandchester. Stream rises are also being recorded in some of the Ipswich and Brisbane Creeks, including Oxley and Deebing Creek, and in Cabbage Tree and Downfall Creeks and Kedron Brook.

Streams levels are expected to slowly ease overnight.

Next Issue:
The next warning will be issued at about 9am Thursday, or earlier if the situation deteriorates.

Latest River Heights:

Tenthill Ck at Tenthill *	2.61m	falling	09:00 PM WED 19/01/11
Laidley Ck at Showground Weir #	7.2m	rising	10:19 PM WED 19/01/11
Laidley Ck at Warrego Hwy *	2.6m	rising	09:30 PM WED 19/01/11
Lockyer Ck at Glenore Grove #	4.86m	rising	10:19 PM WED 19/01/11
Lockyer Ck at Rifle Range Rd *	6.39m	rising	08:40 PM WED 19/01/11
Brisbane R at Savages Crossing *	4.25m	rising	08:30 PM WED 19/01/11
Western Ck at Grandchester #	4.23m	falling	10:19 PM WED 19/01/11
Bremer R at Five Mile Br Walloon #	2.58m	rising	10:17 PM WED 19/01/11
Bremer R at Rosewood #	2.3m	rising	10:05 PM WED 19/01/11
Bremer R at Walloon DERM *	2.89m	rising	09:30 PM WED 19/01/11
Warrill Ck at Amberley DNR *	3.65m	rising	08:40 PM WED 19/01/11
Bremer R at Ipswich #	1.65m	rising	10:15 PM WED 19/01/11
Brisbane R at Moggill #	1.32m	steady	10:15 PM WED 19/01/11
Brisbane R at Jindalee Br #	1.5m	steady	10:07 PM WED 19/01/11
Brisbane R at City Gauge #	1.15m	falling	10:02 PM WED 19/01/11

*,# denotes automatic stations.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 11:33 PM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30mm to 80mm have been recorded with the thunderstorms during Wednesday afternoon and early evening. Fast streams rises are being recorded during Wednesday evening along Lockyer and Warrill Creeks and the Bremer River.

Major flooding is occurring in Laidley Creek, with minor flooding expected downstream along Lockyer Creek overnight. Minor flood levels are easing in Western Creek at Grandchester, with minor flooding expected downstream at Rosewood. Creek rises and minor flooding is expected overnight in Warrill Creek at Amberley.

Stream rises and some minor flooding are also being recorded in some of the Ipswich and Brisbane Creeks, including Oxley, Woogaroo, Stable Swamp and Deebing Creeks, and in Cabbage Tree and Downfall Creeks and Kedron Brook.

Streams levels are expected to slowly ease overnight.

Next Issue:
The next warning will be issued at about 9am Thursday, or earlier if the situation deteriorates.

Latest River Heights:

Tenthill Ck at Tenthill *	2.64m	rising	10:00 PM WED 19/01/11
Laidley Ck at Laidley	7.6m	rising	10:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	8.22m	rising	11:10 PM WED 19/01/11
Laidley Ck at Warrego Hwy *	2.97m	rising	10:30 PM WED 19/01/11
Lockyer Ck at Glenore Grove #	5.08m	rising	11:11 PM WED 19/01/11
Lockyer Ck at Rifle Range Rd *	6.39m	rising	08:40 PM WED 19/01/11
Brisbane R at Savages Crossing *	4.25m	rising	08:30 PM WED 19/01/11
Western Ck at Grandchester #	3.28m	falling	11:13 PM WED 19/01/11
Bremer R at Five Mile Br Walloon #	2.8m	rising	11:05 PM WED 19/01/11
Bremer R at Rosewood #	2.44m	rising	11:11 PM WED 19/01/11
Bremer R at Walloon DERM *	3.5m	rising	10:30 PM WED 19/01/11
Warrill Ck at Amberley DNR *	3.65m	rising	08:40 PM WED 19/01/11
Bremer R at Ipswich #	1.9m	rising	11:06 PM WED 19/01/11
Brisbane R at Moggill #	1.37m	rising	10:22 PM WED 19/01/11
Brisbane R at Jindalee Br #	1.45m	falling	11:01 PM WED 19/01/11
Brisbane R at City Gauge #	0.86m	falling	11:11 PM WED 19/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
Issued at 1:06 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Widespread rainfall totals of between 30mm to 80mm have been recorded with the thunderstorms during Wednesday afternoon and early evening. Fast streams rises are being recorded during Wednesday evening along Lockyer and Warrill Creeks and the Bremer River.

Major flooding is occurring in Laidley Creek, with minor to moderate flooding expected downstream along Lockyer Creek overnight. Minor flood levels are easing in Western Creek at Grandchester. Major flooding is occurring in the Bremer River at Spressers Bridge, with moderate flooding expected downstream between Rosewood and Walloon. Creek rises and minor flooding is expected overnight in Warrill Creek at Amberley. River levels further downstream in the Bremer River at Ipswich will remain well below minor flood level.

Stream rises and some minor flooding are also being recorded in some of the Ipswich and Brisbane Creeks, including Oxley, Woogaroo, Stable Swamp and Deebing Creeks, and in Cabbage Tree and Downfall Creeks and Kedron Brook.

Streams levels are expected to slowly ease overnight.

Next Issue:
The next warning will be issued at about 9am Thursday, or earlier if the situation deteriorates.

Latest River Heights:

Tenthill Ck at Tenthill *	2.66m	rising	11:00 PM WED 19/01/11
Laidley Ck at Laidley	7.6m	rising	10:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	7.84m	falling	12:55 AM THU 20/01/11
Laidley Ck at Warrego Hwy *	3.22m	rising	11:40 PM WED 19/01/11
Lockyer Ck at Glenore Grove #	6.62m	rising	12:55 AM THU 20/01/11
Lockyer Ck at Rifle Range Rd *	6.88m	rising	11:40 PM WED 19/01/11
Brisbane R at Savages Crossing *	4.39m	steady	11:00 PM WED 19/01/11
Western Ck at Grandchester #	2.23m	steady	12:54 AM THU 20/01/11
Bremer R at Five Mile Br Walloon #	2.98m	rising	12:29 AM THU 20/01/11
Bremer R at Rosewood #	3.62m	rising	12:53 AM THU 20/01/11
Bremer R at Walloon DERM *	3.65m	rising	11:00 PM WED 19/01/11
Warrill Ck at Amberley DNR *	4.55m	rising	11:40 PM WED 19/01/11
Bremer R at Ipswich #	1.9m	falling	12:32 AM THU 20/01/11
Brisbane R at Moggill #	1.17m	falling	12:52 AM THU 20/01/11
Brisbane R at Jindalee Br #	1.05m	falling	12:52 AM THU 20/01/11
Brisbane R at City Gauge #	0.16m	falling	12:47 AM THU 20/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
Issued at 7:56 AM on Thursday the 20th of January 2011

by the Bureau of Meteorology, Brisbane.

Major to minor flooding continues in the Lockyer Creek and Bremer River catchments.

Lockyer Creek catchment:
Moderate flood levels continue along Laidley Creek with the flood peak currently in the Warrego Highway area. Levels are expected to peak this morning. Along Lockyer Creek, minor flooding has peaked at Glenore Grove and is rising at Lyons Bridge with a minor flood peak expected during today.

Bremer River:
Major flooding continues at Spressers Bridge with moderate flooding downstream at Rosewood. A moderate flood peak is expected at Walloon later today.

Warrill Creek:
Minor flooding at Amberley is easing.

Next Issue:
The next warning will be issued at about 3pm Thursday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.24m	falling	06:00 AM THU 20/01/11
Laidley Ck at Laidley	7.6m	rising	10:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	5.14m	falling	06:55 AM THU 20/01/11
Laidley Ck at Warrego Hwy *	5.29m	rising	06:00 AM THU 20/01/11
Lockyer Ck at Glenore Grove #	8.32m	falling	07:35 AM THU 20/01/11
Lockyer Ck at Rifle Range Rd *	8.44m	rising	06:10 AM THU 20/01/11
Brisbane R at Savages Crossing *	4.25m	falling	06:00 AM THU 20/01/11
Western Ck at Grandchester #	1.13m	falling	07:19 AM THU 20/01/11
Bremer R at Five Mile Br Walloon #	5.5m	rising	07:35 AM THU 20/01/11
Bremer R at Rosewood #	5.36m	falling	07:32 AM THU 20/01/11
Bremer R at Walloon DERM *	5.33m	rising	06:30 AM THU 20/01/11
Warrill Ck at Amberley DNR *	5.51m	falling	06:10 AM THU 20/01/11
Bremer R at Ipswich #	1.95m	rising	07:29 AM THU 20/01/11
Brisbane R at Moggill #	0.27m	rising	07:34 AM THU 20/01/11
Brisbane R at Jindalee Br #	0.75m	rising	07:34 AM THU 20/01/11
Brisbane R at City Gauge #	0.95m	rising	07:32 AM THU 20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
Issued at 2:54 PM on Thursday the 20th of January 2011

by the Bureau of Meteorology, Brisbane.

Moderate to minor flooding continues to ease in the Lockyer Creek and Bremer River catchments.

Lockyer Creek catchment:
Minor flooding continues along Lockyer Creek with the flood peak currently in the Lyons Bridge area. Levels will fall gradually overnight and during Friday.

Bremer River:
Moderate flooding is easing at Spressers Bridge and at Rosewood. A moderate flood peak is currently in the Walloon area. Levels will fall gradually overnight and during Friday.

Next Issue:
The next warning will be issued by 9am Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.16m steady	11:00 AM THU	20/01/11
Laidley Ck at Laidley	7.6m rising	10:30 PM WED	19/01/11
Laidley Ck at Showground Weir #	5m falling	02:28 PM THU	20/01/11
Laidley Ck at Warrego Hwy *	4.62m falling	01:00 PM THU	20/01/11
Lockyer Ck at Glenore Grove #	6.46m falling	02:37 PM THU	20/01/11
Lockyer Ck at Rifle Range Rd *	10.84m rising	11:40 AM THU	20/01/11
Brisbane R at Savages Crossing *	4.18m falling	11:40 AM THU	20/01/11
Western Ck at Grandchester #	0.73m falling	02:07 PM THU	20/01/11
Bremer R at Five Mile Br Walloon #	4.92m falling	02:35 PM THU	20/01/11
Bremer R at Rosewood #	4.44m falling	02:32 PM THU	20/01/11
Bremer R at Walloon DERM *	6.55m falling	01:00 PM THU	20/01/11
Warrill Ck at Amberley DNR *	4.83m falling	11:40 AM THU	20/01/11
Bremer R at Ipswich #	4.45m rising	02:28 PM THU	20/01/11
Brisbane R at Moggill #	1.82m falling	02:37 PM THU	20/01/11
Brisbane R at Jindalee Br #	1.4m falling	02:34 PM THU	20/01/11
Brisbane R at City Gauge #	0.16m falling	02:29 PM THU	20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
Issued at 5:55 PM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to minor flooding continues to ease in the Lockyer Creek and Bremer River catchments.

Kholo Creek:
Very Fast rises have been reported to the Bureau along Kholo Creek upstream of the Karalee area in the last hour.

Lockyer Creek catchment:
Minor flooding continues along Lockyer Creek with the flood peak currently in the Lyons Bridge area. Levels will fall gradually overnight and during Friday.

Bremer River:
Moderate flooding is easing at Spressers Bridge and at Rosewood. A moderate flood peak is currently in the Walloon area. Levels will fall gradually overnight and during Friday.

Next Issue:
The next warning will be issued by 9am Friday.

Latest River Heights:

Tenthill Ck at Tenthill *	2.12m steady	04:00 PM THU 20/01/11
Laidley Ck at Laidley	7.6m rising	10:30 PM WED 19/01/11
Laidley Ck at Showground Weir #	4.96m falling	05:13 PM THU 20/01/11
Laidley Ck at Warrego Hwy *	4.42m falling	04:00 PM THU 20/01/11
Lockyer Ck at Glenore Grove #	6m falling	05:33 PM THU 20/01/11
Lockyer Ck at Rifle Range Rd *	10.7m falling	02:40 PM THU 20/01/11
Brisbane R at Savages Crossing *	4.12m rising	02:30 PM THU 20/01/11
Western Ck at Grandchester #	0.63m falling	04:28 PM THU 20/01/11
Bremer R at Five Mile Br Walloon #	4.24m falling	05:38 PM THU 20/01/11
Bremer R at Rosewood #	4.12m falling	05:29 PM THU 20/01/11
Bremer R at Walloon DERM *	5.95m falling	04:00 PM THU 20/01/11
Warrill Ck at Amberley DNR *	4.61m falling	02:30 PM THU 20/01/11
Bremer R at Ipswich #	4.2m falling	05:29 PM THU 20/01/11
Brisbane R at Moggill #	1.12m falling	05:28 PM THU 20/01/11
Brisbane R at Jindalee Br #	0.6m falling	05:28 PM THU 20/01/11
Brisbane R at City Gauge #	-0.55m falling	04:47 PM THU 20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM615

IDQ20805

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
Issued at 6:50 AM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Flood levels in the Bremer and Lockyer catchments are now below minor.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Tenthill Ck at Tenthill *	2.05m steady	05:00 AM FRI 21/01/11
Laidley Ck at Showground Weir #	4.88m falling	06:13 AM FRI 21/01/11
Laidley Ck at Warrego Hwy *	3.8m falling	05:00 AM FRI 21/01/11
Lockyer Ck at Glenore Grove #	5.06m falling	06:01 AM FRI 21/01/11
Lockyer Ck at Rifle Range Rd *	7.96m falling	05:40 AM FRI 21/01/11
Brisbane R at Savages Crossing *	4.22m falling	05:20 AM FRI 21/01/11
Western Ck at Grandchester #	0.48m steady	03:54 AM FRI 21/01/11
Bremer R at Five Mile Br Walloon #	3.06m falling	06:44 AM FRI 21/01/11
Bremer R at Rosewood #	3.18m falling	06:44 AM FRI 21/01/11
Bremer R at Walloon DERM *	4.18m falling	05:00 AM FRI 21/01/11
Warrill Ck at Amberley DNR *	3.74m steady	05:00 AM FRI 21/01/11
Bremer R at Ipswich #	1.6m falling	06:27 AM FRI 21/01/11
Brisbane R at Moggill #	0.02m falling	06:43 AM FRI 21/01/11
Brisbane R at Jindalee Br #	-0.05m falling	05:52 AM FRI 21/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(22)"

FLDWARN for the Logan Albert R basin

1 December 2010 to 31 January 2011

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TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
Issued at 12:24 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

The rainfall in the catchments of the Logan and Albert Rivers has continued to
ease, with no significant rainfall totals in the last three hours.

River levels along the Albert River have continued to ease overnight Tuesday,
with river levels currently at or below the minor flood level.

Major flooding is occurring in the Upper Logan River at Rathdowney with the
river expected to fall below the major flood level Wednesday morning.

Teviot Bk at Boonah is above the major flood level and falling.

Moderate flooding is occurring in the Lower Logan River at Yarrahappini and
South Maclean but levels are expected to remain below minor flood level at
Waterford.


Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:
Palen Ck at Ward Road *          3.15m falling       08:30 PM TUE 11/01/11
Albert R at Lumeah #             3.26m falling       10:59 PM TUE 11/01/11
Cainbable Creek at Dam Site *    1.71m falling       08:30 PM TUE 11/01/11
Albert R at Beaudesert PS *      6.88m falling       02:20 PM TUE 11/01/11
Canungra Ck at Benobble #        2.04m falling       10:57 PM TUE 11/01/11
Albert R at Bromfleet #          11.02m falling      11:08 PM TUE 11/01/11
Albert R at Wolffdene #          6.89m rising        10:48 PM TUE 11/01/11
Burnett Ck at Maroon Dam Inflow  2.97m falling       12:20 PM TUE 11/01/11
Burnett Ck at Maroon Dam #       209.87m rising      10:56 PM TUE 11/01/11
Logan R at Rathdowney #          9.7m falling        11:06 PM TUE 11/01/11
Running Ck at Dieckmans Br #     2.69m falling       10:52 PM TUE 11/01/11
Logan R at Dulbolla              11.1m rising slowly 06:00 PM TUE 11/01/11
Christmas Ck at Rudds Lane #     0.06m falling       10:46 PM TUE 11/01/11
Christmas Ck at Tramway Lane *   4.77m falling       09:00 PM TUE 11/01/11
Logan R at Round Mountain #      13.67m falling      11:04 PM TUE 11/01/11
Logan R at Bromelton Weir TW *   12.67m falling      08:20 PM TUE 11/01/11
Logan R at Beaudesert #          5.09m falling       11:02 PM TUE 11/01/11
Bromelton Dam #                  44.34m steady       09:37 PM TUE 11/01/11
Teviot Bk at Croftby #           3.68m falling       08:07 PM TUE 11/01/11
Teviot Bk at Boonah #            7.1m falling        08:43 PM TUE 11/01/11
Logan R at Yarrahappini #        14.22m rising       11:07 PM TUE 11/01/11
Logan R at Maclean Br            13.82m rising       09:00 PM TUE 11/01/11
Logan R at Waterford             5.1m steady         07:45 PM TUE 11/01/11
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*,# automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
Issued at 10:01 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall has now eased over the catchment with only isolated showers forecast
for Wednesday.

Minor flooding is easing on the Albert River at Wolfdene.

Moderate flooding is easing along the Upper Logan River between Rathdowney and
Round Mountain.

Major flooding is easing on Teviot Brook at Boonah.

Moderate flooding is occurring in the Lower Logan River at Yarrahappini and
South Maclean with minor flooding developing at Waterford later Wednesday.

Predicted River Heights/Flows:
Waterford: Peak around 6.4 metres (minor) later Wednesday.

Next Issue:
The next warning will be issued at about 2pm Wednesday.

Latest River Heights:

Albert R at Bromfleet #	8.17m falling	09:07 AM WED 12/01/11
Albert R at Bromfleet *	8.39m falling	08:40 AM WED 12/01/11
Albert R at Wolffdene #	6.69m falling	08:51 AM WED 12/01/11
Logan R at Forest Home *	2.5m falling	08:30 AM WED 12/01/11
Burnett Ck at Maroon Dam Inflow	2m falling	08:00 AM WED 12/01/11
Burnett Ck at Maroon Dam #	209.95m steady	07:03 AM WED 12/01/11
Logan R at Rathdowney #	6.1m falling	09:04 AM WED 12/01/11
Logan R at Rathdowney *	6.36m falling	08:40 AM WED 12/01/11
Running Ck at Dieckmans Br #	2.19m falling	08:32 AM WED 12/01/11
Running Ck at Dieckmans Br *	2.23m falling	08:00 AM WED 12/01/11
Logan R at Dulbolla	11.1m rising slowly	06:00 PM TUE 11/01/11
Christmas Ck at Rudds Lane #	0.01m steady	11:31 PM TUE 11/01/11
Christmas Ck at Tramway Lane *	3.45m falling	08:00 AM WED 12/01/11
Logan R at Round Mountain *	11.8m falling	08:40 AM WED 12/01/11
Logan R at Round Mountain #	11.52m falling	08:59 AM WED 12/01/11
Logan R at Bromelton Weir TW *	12.7m falling	08:20 AM WED 12/01/11
Logan R at Beaudesert #	4.39m falling	09:07 AM WED 12/01/11
Bromelton Dam #	44.35m steady	08:57 AM WED 12/01/11
Teviot Bk at Croftby *	1.92m falling	07:00 AM WED 12/01/11

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Teviot Bk at Boonah #              7.1m falling        08:43 PM TUE 11/01/11
Logan R at Yarrahappini *          15.28m rising       08:30 AM WED 12/01/11
Logan R at Yarrahappini #          14.97m falling      08:32 AM WED 12/01/11
Logan R at South Maclean *         13.35m rising       08:30 AM WED 12/01/11
Logan R at Maclean Br              14.94m rising       09:00 AM WED 12/01/11
Logan R at Waterford               5.75m rising slowly 06:00 AM WED 12/01/11
Logan R at Waterford #             5.95m rising        09:11 AM WED 12/01/11

* denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
Issued at 2:06 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.


Minor flooding has generally eased along the Albert River.

Moderate flooding is easing along the Upper Logan River between Rathdowney and
Round Mountain.

Minor flooding is easing on Teviot Brook at Boonah.

Moderate flooding is nearing a peak in the Lower Logan River around the
Yarrahappini to South Maclean area with minor flooding increasing at Waterford
during Wednesday. At 1:40pm, the river level at Waterford was 6.2 metres and
rising.


Predicted River Heights/Flows:
Waterford:  Peak around 6.4 metres (minor) later Wednesday.

Next Issue:
The next warning will be issued at about 8pm Wednesday.

Latest River Heights:
Albert R at Beaudesert PS *        6.88m falling       02:20 PM TUE 11/01/11
Canungra Ck at Benobble #          1.34m falling       01:20 PM WED 12/01/11
Canungra Ck at Benobble *          2.99m falling       02:20 PM TUE 11/01/11
Albert R at Bromfleet #            7.02m falling       01:30 PM WED 12/01/11
Albert R at Wolffdene #            5.99m falling       01:21 PM WED 12/01/11
Logan R at Forest Home *           2.41m rising        11:20 AM WED 12/01/11
Burnett Ck at Maroon Dam Inflow    1.94m falling       12:00 PM WED 12/01/11
Burnett Ck at Maroon Dam #         209.93m steady      01:03 PM WED 12/01/11
Logan R at Rathdowney #            5.35m falling       01:25 PM WED 12/01/11
Running Ck at Dieckmans Br #       1.99m falling       01:22 PM WED 12/01/11
Logan R at Dulbolla                11.1m rising slowly 06:00 PM TUE 11/01/11
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Christmas Ck at Rudds Lane #      0.01m steady         11:31 PM TUE 11/01/11
Christmas Ck at Tramway Lane *    3.2m falling         12:00 PM WED 12/01/11
Logan R at Round Mountain #       9.87m falling        01:32 PM WED 12/01/11
Logan R at Bromelton Weir TW *    11.11m falling       12:00 PM WED 12/01/11
Logan R at Beaudesert #           4.24m falling        12:14 PM WED 12/01/11
Bromelton Dam #                   44.34m steady        12:18 PM WED 12/01/11
Teviot Bk at Croftby #            1.68m falling        01:02 PM WED 12/01/11
Teviot Bk at Boonah #             4.45m falling        01:30 PM WED 12/01/11
Logan R at Yarrahappini #         15.12m steady        01:38 PM WED 12/01/11
Logan R at South Maclean *        13.4m falling        11:45 AM WED 12/01/11
Logan R at Maclean Br             15.14m rising        11:00 AM WED 12/01/11
Logan R at Waterford              6.05m rising slowly  12:15 PM WED 12/01/11
Logan R at Waterford #            6.2m falling         01:37 PM WED 12/01/11

*, # denotes automatic station.

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TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
Issued at 7:35 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.


Minor flooding has generally eased along the Albert River.

Moderate flooding is easing along the Upper Logan River between Rathdowney and
Round Mountain.

Minor flooding is easing on Teviot Brook at Boonah.

Moderate flooding has peaked in the Lower Logan River around the Yarrahappini to
South Maclean area. Macleans Bridge is currently peaking around 15.5 metres. At
7pm, the river level at Waterford was 6.5 metres and rising.


Predicted River Heights/Flows:
Waterford:  Peak around 7.0 metres (minor) Thursday.

Next Issue:
The next warning will be issued at about 9am Thursday.

Latest River Heights:
Palen Ck at Ward Road *           1.91m falling        05:10 PM WED 12/01/11
Albert R at Lumeah #              2.06m falling        06:39 PM WED 12/01/11
Cainbable Creek at Dam Site *     1.33m falling        05:00 PM WED 12/01/11
Canungra Ck at Benobble #         1.19m falling        07:00 PM WED 12/01/11
Albert R at Bromfleet #           5.82m falling        07:07 PM WED 12/01/11
Albert R at Wolffdene #           4.74m falling        07:04 PM WED 12/01/11
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Logan R at Forest Home *	2.21m falling	05:00 PM WED 12/01/11
Burnett Ck at Maroon Dam Inflow	1.87m falling	05:00 PM WED 12/01/11
Burnett Ck at Maroon Dam #	209.89m steady	07:03 PM WED 12/01/11
Logan R at Rathdowney #	4.75m falling	06:55 PM WED 12/01/11
Running Ck at Dieckmans Br #	1.94m steady	05:29 PM WED 12/01/11
Christmas Ck at Tramway Lane *	2.89m falling	05:00 PM WED 12/01/11
Logan R at Round Mountain #	8.52m falling	07:14 PM WED 12/01/11
Logan R at Bromelton Weir TW *	8.84m falling	05:40 PM WED 12/01/11
Logan R at Beaudesert #	4.19m rising	06:34 PM WED 12/01/11
Bromelton Dam #	44.35m steady	06:18 PM WED 12/01/11
Teviot Bk at Croftby #	1.53m falling	06:27 PM WED 12/01/11
Teviot Bk at Boonah #	3.95m falling	07:07 PM WED 12/01/11
Logan R at Yarrahappini #	14.82m falling	07:01 PM WED 12/01/11
Logan R at South Maclean *	13.77m rising	04:15 PM WED 12/01/11
Logan R at Maclean Br	15.6m rising slowly	06:00 PM WED 12/01/11
Logan R at Waterford	6.4m rising slowly	06:00 PM WED 12/01/11

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public and satellite phones.

TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOGAN RIVER
Issued at 6:32 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is easing along the Logan River between Rathdowney and Round Mountain, and between Yarrahappini and South Maclean. Minor flood levels are currently peaking at Waterford.

Minor flooding is easing in the upper Logan River between Rathdowney and Round Mountain. Moderate flooding is easing in the lower Logan River between Yarrahappini and South Maclean. A moderate flood peak to 15.65 metres at Maclean Bridge was recorded at 10pm Wednesday.

Minor flood levels remain steady near a peak at Waterford, where at 6am Thursday the river level was 7.0 metres.

Stream levels have eased below minor flood level in the Teviot Brook at Boonah.

Minor flooding also continues to slowly rise in Slacks Creek at Loganlea Road.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 4pm Thursday.

Latest River Heights:

Logan R at Forest Home *	1.94m falling	05:00 AM THU 13/01/11
Logan R at Rathdowney #	4.1m falling	06:05 AM THU 13/01/11
Running Ck at Dieckmans Br #	1.79m steady	05:29 AM THU 13/01/11
Christmas Ck at Tramway Lane *	2.51m falling	05:00 AM THU 13/01/11
Logan R at Round Mountain #	7.17m falling	05:54 AM THU 13/01/11
Logan R at Bromelton Weir TW *	6.76m falling	05:40 AM THU 13/01/11
Logan R at Beaudesert #	4.19m steady	05:28 AM THU 13/01/11
Teviot Bk at Croftby *	1.41m steady	05:14 AM THU 13/01/11
Teviot Bk at Boonah #	3.2m falling	05:56 AM THU 13/01/11
Logan R at Yarrahappini #	12.92m falling	06:13 AM THU 13/01/11
Logan R at South Maclean *	12.47m falling	05:30 AM THU 13/01/11
Logan R at Maclean Br	14.95m falling slowly	06:00 AM THU 13/01/11
Logan R at Waterford #	7m rising	06:02 AM THU 13/01/11
Slacks Ck at Reserve Park #	5.65m steady	06:14 AM THU 13/01/11
Scrubby Ck at First Ave Marsden #	7.37m steady	04:59 AM THU 13/01/11
Slacks Ck at Loganlea Rd #	5.37m rising	06:15 AM THU 13/01/11
Logan R at Riedel Rd Carbrook #	0.12m falling	06:05 AM THU 13/01/11

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Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOGAN RIVER
Issued at 3:36 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the Logan River between Rathdowney and Round Mountain, and between Yarrahappini and South Maclean. The Logan River at Waterford reached a broad peak early on Thursday, and is currently holding steady with minor flooding.

Minor flooding is easing in the upper Logan River between Rathdowney and Round Mountain, and in the lower Logan River between Yarrahappini and South Maclean. A moderate flood peak of 15.65 metres at Maclean Bridge was recorded at 10pm Wednesday, and moderate flood levels have been easing during Thursday.

Minor flood levels remain steady at the peak at Waterford, where at 3:20pm Thursday the river level was 6.9 metres.

Minor flood levels are also peaking in Slacks Creek at Loganlea Road.

Weather Forecast:
A shower or two.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Logan R at Forest Home *	1.8m falling	02:00 PM THU 13/01/11
Logan R at Rathdowney #	3.75m falling	03:04 PM THU 13/01/11
Running Ck at Dieckmans Br #	1.69m falling	12:42 PM THU 13/01/11
Christmas Ck at Tramway Lane *	2.3m falling	02:00 PM THU 13/01/11
Logan R at Round Mountain #	6.57m falling	02:33 PM THU 13/01/11
Logan R at Bromelton Weir TW *	6.11m falling	02:40 PM THU 13/01/11
Logan R at Beaudesert #	3.89m falling	02:43 PM THU 13/01/11
Teviot Bk at Croftby *	1.34m steady	02:00 PM THU 13/01/11
Teviot Bk at Boonah #	2.8m steady	02:38 PM THU 13/01/11
Logan R at Yarrahappini #	10.82m falling	03:01 PM THU 13/01/11
Logan R at South Maclean *	10.89m falling	02:30 PM THU 13/01/11
Logan R at Maclean Br	14.49m falling	09:00 AM THU 13/01/11
Logan R at Waterford #	6.95m rising	03:00 PM THU 13/01/11
Slacks Ck at Reserve Park #	5.6m falling	01:07 PM THU 13/01/11
Scrubby Ck at First Ave Marsden #	7.22m falling	02:17 PM THU 13/01/11
Slacks Ck at Loganlea Rd #	5.47m steady	01:22 PM THU 13/01/11
Logan R at Riedel Rd Carbrook #	0.07m rising	02:45 PM THU 13/01/11

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM618

IDQ20815

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE LOGAN RIVER
Issued at 6:06 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the Logan River between Rathdowney and
Round Mountain, and between Yarrahappini and South Maclean. River levels further
downstream at Waterford have also eased below minor flood level, and should
continue to ease during Friday.

At 6am Friday, the river level at Waterford was 5.55 metres and easing.

Minor flooding is also easing in Slacks Creek at Loganlea Road.

Weather Forecast:
Mostly fine, only isolated showers.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

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Logan R at Forest Home *          1.65m steady          04:00 AM FRI 14/01/11
Logan R at Rathdowney *           3.59m falling         04:00 AM FRI 14/01/11
Running Ck at Dieckmans Br #      1.54m steady          05:29 AM FRI 14/01/11
Christmas Ck at Tramway Lane *    2m steady             05:00 AM FRI 14/01/11
Logan R at Round Mountain #       5.92m falling         05:03 AM FRI 14/01/11
Logan R at Bromelton Weir TW *    5.38m falling         05:40 AM FRI 14/01/11
Logan R at Beaudesert #           3.24m steady          05:28 AM FRI 14/01/11
Bromelton Dam #                   44.36m steady         05:45 AM FRI 14/01/11
Teviot Bk at Croftby #            1.28m steady          04:55 AM FRI 14/01/11
Teviot Bk at Boonah #             2.3m steady           05:38 AM FRI 14/01/11
Logan R at Yarrahappini #         8.07m falling         05:31 AM FRI 14/01/11
Logan R at South Maclean *        7.46m falling         05:45 AM FRI 14/01/11
Logan R at Maclean Br             12.55m falling        06:00 PM THU 13/01/11
Logan R at Waterford #            5.6m falling          05:57 AM FRI 14/01/11
Slacks Ck at Reserve Park #       5.55m steady          03:13 AM FRI 14/01/11
Scrubby Ck at First Ave Marsden # 7.12m steady          04:59 AM FRI 14/01/11
Slacks Ck at Loganlea Rd #        4.72m falling         05:51 AM FRI 14/01/11
Logan R at Riedel Rd Carbrook #   0.27m steady          04:27 AM FRI 14/01/11
Tingalpa Ck at L Harrison Dam #   18.16m steady         05:25 AM FRI 14/01/11

*,# denotes automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(23)"

FLDWARN for the Condamine Balonne

1 December 2010 to 31 January 2011

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA
RIVER
Issued at 7:48 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast river rises will continue in the Maranoa River downstream of the Mitchell
area to Beardmore Dam during today and Monday causing moderate to major
flooding.

Upper Condamine: Recent rains have caused stream rises and minor to moderate
flooding upstream of Warwick and in creeks in the Warwick to Allora area. Rises
will extend to the Warwick area and downstream in the Condamine River today but
generally cause only minor flooding.

Balonne River and tributary creeks:
Recent rains have also caused rises and minor flooding in Bungil Creek around
Roma and in the Balonne River from the Surat area to Beardmore Dam. Rises will
continue in these areas today causing some minor to moderate flooding.

Maranoa River:
Rises and moderate flooding have peaked in the Mitchell area. Fast river rises
will continue downstream of the Mitchell area to Beardmore Dam during today and
Monday causing moderate to major flooding.

Lower Balonne River system:
River rises will extend to the lower Balonne River system below Beardmore Dam
during the next week, but with existing upstream flows, generally cause only
minor to moderate flooding.

Next Issue:
The next warning will be issued at about 3pm Sunday.
River heights are constantly updated on the Bureau's website.

Latest River Heights:
Condamine R at Murrays Br #         4.75m rising        07:00 AM SUN 05/12/10
Condamine R at Warwick #            2.44m rising        06:54 AM SUN 05/12/10
Glengallan Ck near Backwater Ck #   4.3m steady         05:51 AM SUN 05/12/10
Dogwood Ck at Gilweir *             8.33m rising        05:30 AM SUN 05/12/10
Balonne R at Warkon                 4m rising slowly    06:00 AM SUN 05/12/10
Yuleba Ck at Yuleba Forestry *      5.69m rising        05:30 AM SUN 05/12/10
Balonne R at Surat                  6.1m rising         06:00 AM SUN 05/12/10
Bungil Ck at Tabers *               5.69m falling       05:20 AM SUN 05/12/10
Bungil Ck at Roma                   6.35m rising slowly 05:30 AM SUN 05/12/10
Balonne R at Weribone *             7.2m rising         05:40 AM SUN 05/12/10
Maranoa R at Mitchell *             3.82m falling       05:30 AM SUN 05/12/10
Maranoa R at Springfield            8m rising slowly    05:30 AM SUN 05/12/10
Maranoa R at Woodlands              5.6m rising slowly  06:00 AM SUN 05/12/10
Maranoa R at Old Cashmere *         4.35m rising        05:40 AM SUN 05/12/10
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Balonne R at St George	4.09m rising	06:00 AM SUN 05/12/10
Balonne R at Whyenbah	3.15m rising	09:00 AM SAT 04/12/10

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
Issued at 2:59 PM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding will continue along the Maranoa River downstream of the Mitchell area to Beardmore Dam during today and Monday. Minor to moderate flooding also continues along Bungil Creek in the Roma area.

UPPER CONDAMINE:

Minor flooding is occurring upstream of Warwick and in creeks in the Warwick to Allora area. Rises will extend to the Warwick area and downstream in the Condamine River today but generally cause only minor flooding.

BALONNE RIVER AND TRIBUTARY CREEKS:

Minor to moderate flooding continues along Bungil Creek in the Roma area and in the Balonne River from the Surat area to Beardmore Dam. Rises will continue in these areas during today and Monday causing some minor to moderate flooding.

MARANOA RIVER:

Minor flooding is easing in the Mitchell area, with a major flood peak currently in the Springfield area. Fast river rises will continue downstream to Beardmore Dam during today and Monday causing moderate to major flooding.

LOWER BALONNE RIVER SYSTEM:

River rises will extend to the lower Balonne River system below Beardmore Dam during this week, but with existing upstream flows, generally cause only minor to moderate flooding.

Next Issue:
The next warning will be issued at about 11am Monday.
River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Elbow Valley #	2.03m rising	02:13 PM SUN 05/12/10
Emu Ck at Emu Vale #	2.95m falling	02:50 PM SUN 05/12/10
Condamine R at Murrays Br #	4.6m steady	02:43 PM SUN 05/12/10
Condamine R at Warwick #	3.89m rising	02:39 PM SUN 05/12/10

Glengallan Ck near Backwater Ck #	3.5m steady	02:51 PM SUN 05/12/10
Condamine R at Loudoun Br *	2.45m rising	01:00 PM SUN 05/12/10
Myall Ck at Clydesdale #	1.13m rising	02:35 PM SUN 05/12/10
N Myall Ck at Moffatt #	0.9m rising	02:47 PM SUN 05/12/10
Myall Ck at Dalby #	0.54m rising	12:55 PM SUN 05/12/10
Condamine R at Bedarra *	1.45m steady	01:00 PM SUN 05/12/10
Condamine R at Cotswold *	4.91m rising	02:00 PM SUN 05/12/10
Yuleba Ck at Yuleba Forestry *	6.16m rising	02:40 PM SUN 05/12/10
Balonne R at Surat *	6.07m steady	02:00 PM SUN 05/12/10
Bungil Ck at Tabers *	4.88m falling	02:40 PM SUN 05/12/10
Bungil Ck at Roma	6.65m steady	02:30 PM SUN 05/12/10
Bungil Ck at Garrabarra	5.25m rising	12:00 PM SUN 05/12/10
Balonne R at Weribone *	8.03m rising	02:40 PM SUN 05/12/10
Maranoa R at Mitchell *	3.34m falling	02:40 PM SUN 05/12/10
Maranoa R at Springfield	8.2m steady	12:00 PM SUN 05/12/10
Maranoa R at Woodlands	5.8m rising slowly	09:00 AM SUN 05/12/10
Maranoa R at Old Cashmere *	4.55m rising	02:40 PM SUN 05/12/10
Balonne R at Beardmore Dam *	-0.01m steady	12:00 PM SUN 05/12/10
Balonne R at St George *	4.17m rising	02:40 PM SUN 05/12/10
Balonne R at Whyenbah	3.55m rising	09:00 AM SUN 05/12/10
Balonne R Minor at Hastings *	3.41m rising	02:40 PM SUN 05/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
Issued at 11:00 AM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam during today and Monday. Moderate flooding also continues along Bungil Creek in the Roma area with levels expected to fall today.

UPPER CONDAMINE:

Minor flooding is occurring upstream of Warwick and in creeks in the Warwick to Allora area. Levels at Warwick will remain below minor with any further rises dependent on more rainfall.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flooding continues along Bungil Creek in the Roma area with levels expected to fall through today. In the Balonne River from the Surat area to Beardmore Dam, moderate flood levels are expected this week.

MARANOA RIVER:

Minor flood levels continue to fall in the Mitchell area, with a moderate flood peak currently approaching the Woodlands area. Fast river rises will continue downstream to Beardmore Dam during today and Tuesday causing moderate to major flooding.

LOWER BALONNE RIVER SYSTEM:

River rises will extend to the lower Balonne River system below Beardmore Dam during this week, but with existing upstream flows, generally cause only minor to moderate flooding.

Next Issue:
The next warning will be issued at about 5pm Monday.
River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Brosnans Barn *	1.12m falling	09:00 AM MON 06/12/10
Condamine R at Killarney #	0.05m steady	09:47 AM MON 06/12/10
Spring Ck at Killarney *	1.39m steady	09:00 AM MON 06/12/10
Condamine R at Elbow Valley *	2.14m steady	09:00 AM MON 06/12/10
Condamine R at Elbow Valley #	2.18m steady	08:08 AM MON 06/12/10
Emu Ck at Emu Vale #	2.45m falling	09:12 AM MON 06/12/10
Emu Ck at Emu Vale *	2.39m falling	09:00 AM MON 06/12/10
Condamine R at Murrays Br #	3.65m falling	09:50 AM MON 06/12/10
Swan Ck at Swanfels *	1.16m falling	09:00 AM MON 06/12/10
Swan Ck at Yangan #	1.45m rising	10:19 AM MON 06/12/10
Rosenthal Ck at Connolly Dam #	0.03m steady	10:13 AM MON 06/12/10
Condamine R @ Warwick(Scots Col.) *	2.11m falling	09:00 AM MON 06/12/10
Condamine R at Warwick #	3.74m falling	10:16 AM MON 06/12/10
Sandy Ck at Leslie Dam TW *	0.37m steady	06:00 AM MON 06/12/10
Glengallan Ck near Backwater Ck #	2.4m rising	09:29 AM MON 06/12/10
Condamine R at Pratten	4.1m steady	09:00 AM MON 06/12/10
Condamine R at Talgai HW *	0.85m steady	06:00 AM MON 06/12/10
Condamine R at Talgai TW *	3.86m steady	08:00 AM MON 06/12/10
Dalrymple Ck at Allora *	1.54m falling	08:00 AM MON 06/12/10
Dalrymple Ck at Victoria Hill *	1.95m rising	08:21 AM MON 06/12/10
Kings Ck at Aides Br *	1.5m falling	09:00 AM MON 06/12/10
Hodgson Ck at Felton *	1.24m falling	09:00 AM MON 06/12/10
Canal Ck at Leyburn *	0.69m steady	09:00 AM MON 06/12/10
Condamine R at Tummaville *	2.04m rising	01:00 AM MON 06/12/10
Condamine R at Yarramalong *	2.15m steady	09:10 AM MON 06/12/10
Condamine R at Cecil Plains *	4.9m rising	08:00 AM MON 06/12/10
North Condamine R at Pampas Br *	1.61m steady	09:00 AM MON 06/12/10
North Condamine R at Lone Pine *	2.94m falling	09:00 AM MON 06/12/10
Oakey Ck at Fairview *	1.07m rising	09:00 AM MON 06/12/10
Condamine R at Loudoun Br *	2.87m rising	09:00 AM MON 06/12/10
Myall Ck at Dalby #	0.69m steady	09:05 AM MON 06/12/10
Condamine R at Brigalow Br *	4.45m rising	08:10 AM MON 06/12/10
Condamine R at Chinchilla Weir HW *	0.23m steady	07:30 AM MON 06/12/10
Charleys Ck at Seven Oaks *	2.53m rising	08:20 AM MON 06/12/10
Charleys Ck at Chinchilla *	5.26m steady	08:00 AM MON 06/12/10
Condamine R at Bedarra *	2.21m rising	08:00 AM MON 06/12/10
Condamine R at Cotswold *	4.9m steady	08:00 AM MON 06/12/10
Balonne R at Warkon	5.91m rising slowly	09:00 AM MON 06/12/10
Yuleba Ck at Yuleba Forestry *	7.32m steady	08:20 AM MON 06/12/10
Balonne R at Surat	6.5m rising slowly	06:00 AM MON 06/12/10
Bungil Ck at Tabers *	1.56m falling	08:20 AM MON 06/12/10
Bungil Ck at Roma	6.65m falling slowly	05:30 AM MON 06/12/10
Bungil Ck at Garrabarra	6.15m rising slowly	09:30 AM MON 06/12/10
Muckadilla Ck at Karoola Park	4.5m falling	09:00 AM MON 06/12/10

Balonne R at Weribone *	8.94m falling	08:00 AM MON 06/12/10
Maranoa R at Mitchell	2.65m falling slowly	06:00 PM SUN 05/12/10
Maranoa R at Mitchell *	2.86m falling	08:20 AM MON 06/12/10
Maranoa R at Springfield	7.25m falling slowly	09:00 AM MON 06/12/10
Maranoa R at Woodlands	6.45m rising slowly	09:00 AM MON 06/12/10
Maranoa R at Old Cashmere *	4.89m steady	08:30 AM MON 06/12/10
Balonne R at St George	4.85m rising	

Warnings and River Height Bulletins are available at
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
Issued at 4:41 PM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam during today and Monday. Some minor to moderate flooding is expected along the Upper Condamine River through this week.

CONDAMINE RIVER TO COTSWOLD

Minor flooding is occurring upstream of Warwick and in creeks in the Warwick to Allora area. Levels at Warwick will remain below minor with any further rises dependent on more rainfall. Storms causing fast rises are possible this evening.

Downstream to Cotswold, some minor to moderate flooding is likely through this week and the weekend.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flooding continues along Bungil Creek in the Roma area with levels expected to fall through today. In the Balonne River from the Surat area to Beardmore Dam, moderate flood levels are expected this week.

MARANOA RIVER:

Minor flood levels continue to fall in the Mitchell area, with a moderate flood peak currently approaching the Woodlands area. Fast river rises will continue downstream to Beardmore Dam during Tuesday causing moderate to major flooding.

LOWER BALONNE RIVER SYSTEM:

River rises will extend to the lower Balonne River system below Beardmore Dam during this week, but with existing upstream flows, generally cause only minor to moderate flooding.

Next Issue:

The next warning will be issued at about 11am Tuesday.
River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Brosnans Barn *	1.03m falling	03:00 PM MON 06/12/10
Condamine R at Killarney #	0m steady	03:47 PM MON 06/12/10
Spring Ck at Killarney *	1.39m steady	12:00 PM MON 06/12/10
Condamine R at Elbow Valley *	1.9m falling	03:00 PM MON 06/12/10
Condamine R at Elbow Valley #	1.88m falling	04:20 PM MON 06/12/10
Emu Ck at Emu Vale #	2.35m falling	04:11 PM MON 06/12/10
Emu Ck at Emu Vale *	2.3m falling	03:00 PM MON 06/12/10
Condamine R at Murrays Br #	3.45m falling	03:27 PM MON 06/12/10
Swan Ck at Swanfels *	1.06m falling	03:00 PM MON 06/12/10
Swan Ck at Yangan #	1.35m rising	04:20 PM MON 06/12/10
Rosenthal Ck at Connolly Dam #	0.03m steady	04:13 PM MON 06/12/10
Condamine R @ Warwick(Scots Col.) *	1.86m falling	03:00 PM MON 06/12/10
Condamine R at Warwick #	3.29m falling	03:16 PM MON 06/12/10
Sandy Ck at Leslie Dam TW *	0.37m steady	12:00 PM MON 06/12/10
Glengallan Ck near Backwater Ck #	3.55m rising	04:16 PM MON 06/12/10
Condamine R at Pratten	4.1m steady	09:00 AM MON 06/12/10
Condamine R at Talgai HW *	0.85m steady	12:00 PM MON 06/12/10
Condamine R at Talgai TW *	3.86m steady	08:00 AM MON 06/12/10
Dalrymple Ck at Allora *	1.61m steady	03:18 PM MON 06/12/10
Dalrymple Ck at Victoria Hill *	1.95m rising	08:21 AM MON 06/12/10
Kings Ck at Aides Br *	1.58m rising	03:00 PM MON 06/12/10
Hodgson Ck at Felton *	1.15m steady	03:00 PM MON 06/12/10
Canal Ck at Leyburn *	0.69m steady	03:31 PM MON 06/12/10
Condamine R at Tummaville *	3.46m rising	03:00 PM MON 06/12/10
Condamine R at Yarramalong *	2.62m rising	03:05 PM MON 06/12/10
Condamine R at Cecil Plains *	5m rising	03:00 PM MON 06/12/10
North Condamine R at Pampas Br *	1.58m steady	03:00 PM MON 06/12/10
North Condamine R at Lone Pine *	2.73m falling	02:00 PM MON 06/12/10
Gowrie Creek at Cranley *	0.6m steady	03:00 PM MON 06/12/10
Gowrie Ck at Oakey *	0.71m steady	03:00 PM MON 06/12/10
Oakey Ck at Fairview *	1.74m rising	03:00 PM MON 06/12/10
Condamine R at Loudoun Br *	3.04m rising	03:00 PM MON 06/12/10
Myall Ck at Clydesdale #	0.93m steady	04:03 PM MON 06/12/10
N Myall Ck at Moffatt #	0.65m falling	02:59 PM MON 06/12/10
Myall Ck at Dalby #	0.74m steady	03:05 PM MON 06/12/10
Condamine R at Warra-Kogan Rd Br	4.5m rising	03:00 PM MON 06/12/10
Condamine R at Brigalow Br *	4.45m rising	08:10 AM MON 06/12/10
Condamine R at Chinchilla Weir HW *	0.23m steady	07:30 AM MON 06/12/10
Condamine R at Chinchilla Weir TW *	2.95m rising	02:00 PM MON 06/12/10
Charleys Ck at Seven Oaks *	2.53m rising	08:20 AM MON 06/12/10
Charleys Ck at Chinchilla *	5.26m steady	08:00 AM MON 06/12/10
Condamine R at Bedarra *	2.77m rising	03:00 PM MON 06/12/10
Condamine R at Cotswold *	4.9m steady	02:00 PM MON 06/12/10
Balonne R at Warkon	5.91m rising slowly	09:00 AM MON 06/12/10
Yuleba Ck at Yuleba Forestry *	7.4m steady	02:20 PM MON 06/12/10
Balonne R at Surat	6.81m rising slowly	03:00 PM MON 06/12/10
Balonne R at Surat *	6.88m rising	03:00 PM MON 06/12/10
Bungil Ck at Tabers *	1.2m steady	03:00 PM MON 06/12/10
Bungil Ck at Roma	6.65m falling slowly	05:30 AM MON 06/12/10
Bungil Ck at Garrabarra	6.15m rising slowly	09:30 AM MON 06/12/10
Muckadilla Ck at Karoola Park	4.5m falling	

Warnings and River Height Bulletins are available at
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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
Issued at 9:43 AM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam for the next few days. Moderate flooding is being recorded in the Balonne River between Surat and Weribone and in the associated tributaries. Minor to moderate flooding is expected along the Condamine River between Tummaville and Cotswold during this week.

CONDAMINE RIVER TO COTSWOLD

Minor flood levels in the Condamine River at the Cetenary Bridge continue with further small rises forecast during Tuesday. Downstream in the Condamine River at the Loudoun Bridge, the moderate flood level of 3.5 metres will be reached during Tuesday. Minor to moderate flooding is likely downstream of Loudoun Bridge to Cotswold into the weekend.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue in the Balonne River between Surat and Weribone. Further rises are expected between Surat and Beardmore Dam during the next few days. Moderate flooding continues along Yuleba Creek at Yuleba Forestry and in Bungil Creek at Garrabarra.

MARANOA RIVER:

Moderate flooding is peaking in the Woodlands area with minor flooding rising downstream at Old Cashmere. River level rises will continue downstream to Beardmore Dam during Wednesday causing moderate flooding.

LOWER BALONNE RIVER SYSTEM:

River level rises and major flooding are being recorded in the Balonne River at St George. Further rises are expected during the next few days as upstream floodwaters arrive. A forecast for St George will be given once upstream peaks have been observed. River level rises and minor to moderate flooding are expected to continue downstream of St George into the weekend.

Next Issue:
The next warning will be issued at about 5pm Wednesday.
River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Tummaville *	3.94m steady	06:00 AM TUE 07/12/10
Condamine R at Yarramalong *	3.12m falling	07:20 AM TUE 07/12/10
Condamine R at Centenary Br	5.75m rising	08:00 AM TUE 07/12/10
Condamine R at Cecil Plains *	5.22m steady	06:00 AM TUE 07/12/10
North Condamine R at Pampas Br *	1.51m steady	06:00 AM TUE 07/12/10
North Condamine R at Lone Pine *	2.51m steady	06:00 AM TUE 07/12/10
Gowrie Creek at Cranley *	0.62m falling	06:00 AM TUE 07/12/10
Gowrie Ck at Oakey *	0.54m steady	06:00 AM TUE 07/12/10
Oakey Ck at Fairview *	2.24m falling	06:00 AM TUE 07/12/10

Condamine R at Loudoun Br *	3.35m	rising	06:00 AM TUE 07/12/10
Myall Ck at Dalby #	0.64m	steady	06:05 AM TUE 07/12/10
Condamine R at Ranges Br	5.45m	rising	06:00 AM TUE 07/12/10
Condamine R at Warra-Kogan Rd Br	5.67m	rising	06:00 AM TUE 07/12/10
Condamine R at Brigalow Br *	6.44m	rising	08:20 AM TUE 07/12/10
Condamine R at Chinchilla Weir HW *	0.47m	steady	08:00 AM TUE 07/12/10
Condamine R at Chinchilla Weir TW *	3.89m	falling	08:20 AM TUE 07/12/10
Charleys Ck at Chinchilla *	5.40m	steady	08:00 AM TUE 07/12/10
Condamine R at Bedarra *	3.64m	rising	06:00 AM TUE 07/12/10
Condamine R at Cotswold *	4.97m	rising	08:00 AM TUE 07/12/10
Dogwood Ck at Gilweir *	8.60m	rising	06:00 AM TUE 07/12/10
Balonne R at Warkon	6.42m	rising slowly	06:00 AM TUE 07/12/10
Yuleba Ck at Yuleba Forestry *	7.31m	falling	08:20 AM TUE 07/12/10
Balonne R at Surat	7.60m	rising	06:00 AM TUE 07/12/10
Balonne R at Surat *	7.57m	rising	08:10 AM TUE 07/12/10
Bungil Ck at Tabers *	1.03m	steady	08:00 AM TUE 07/12/10
Bungil Ck at Roma	4.40m	falling fast	05:00 AM TUE 07/12/10
Bungil Ck at Garrabarra	6.20m	steady	06:30 AM TUE 07/12/10
Balonne R at Weribone *	8.56m	steady	08:00 AM TUE 07/12/10
Balonne R at Warroo	7.25m	rising slowly	09:00 AM TUE 07/12/10
Maranoa R at Mitchell	1.80m	falling slowly	06:00 PM MON 06/12/10
Maranoa R at Mitchell *	2.31m	falling	08:20 AM TUE 07/12/10
Maranoa R at Springfield	5.58m	falling slowly	06:00 AM TUE 07/12/10
Maranoa R at Woodlands	6.59m	estimated peak	07:30 AM TUE 07/12/10
Maranoa R at Old Cashmere *	5.26m	steady	08:10 AM TUE 07/12/10
Balonne R at Beardmore Dam *	0.01m	falling	06:00 AM TUE 07/12/10
Balonne R at Jack Taylor Weir *	0.03m	falling	06:30 AM TUE 07/12/10
Balonne R at St George	6.45m	rising	09:00 AM TUE 07/12/10
Balonne R at St George *	6.29m	rising	08:10 AM TUE 07/12/10
Balonne R at Whyenbah	5.35m	rising	09:00 AM TUE 07/12/10
Balonne R Minor at Hastings *	4.55m	rising	08:20 AM TUE 07/12/10
Culgoa R at Whyenbah *	4.62m	rising	08:20 AM TUE 07/12/10
Culgoa R at Woolerbilla *	4.61m	steady	05:00 AM TUE 07/12/10
Narran R at Dirranbandi-Hebel Rd *	3.04m	rising	08:20 AM TUE 07/12/10
Ballandool R at Hebel-Bollon Rd *	3.57m	steady	08:00 AM TUE 07/12/10
Bokhara R at Hebel *	1.03m	steady	08:00 AM TUE 07/12/10

* from automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
Issued at 5:51 PM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding will continue along the Maranoa River downstream of the
Springfield area to Beardmore Dam for the next few days. Moderate flooding is

being recorded in the Balonne River between Surat and Weribone and in the associated tributaries. Minor to moderate flooding is expected along the Condamine River between Tummaville and Cotswold during this week.

CONDAMINE RIVER TO COTSWOLD

Minor flood levels in the Condamine River at the Cetenary Bridge continue with further small rises forecast during Tuesday. Downstream in the Condamine River at the Loudoun Bridge, the moderate flood level of 3.5 metres will be reached during Tuesday. Minor to moderate flooding is likely downstream of Loudoun Bridge to Cotswold into the weekend.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue in the Balonne River between Surat and Weribone. Further rises are expected between Surat and Beardmore Dam during the next few days. Moderate flooding continues along Yuleba Creek at Yuleba Forestry and in Bungil Creek at Garrabarra.

MARANOA RIVER:

Moderate flooding is peaking in the Woodlands area with minor flooding rising downstream at Old Cashmere. River level rises will continue downstream to Beardmore Dam during Wednesday causing moderate flooding.

LOWER BALONNE RIVER SYSTEM:

River level rises and major flooding are being recorded in the Balonne River at St George. Further rises are expected during the next few days as upstream floodwaters arrive. A forecast for St George will be given once upstream peaks have been observed. River level rises and minor to moderate flooding are expected to continue downstream of St George into the weekend.

Next Issue:
The next warning will be issued at about 10am Wednesday.
River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Killarney #	0m steady	03:47 PM TUE 07/12/10
Condamine R at Elbow Valley #	1.53m steady	05:08 PM TUE 07/12/10
Condamine R at Murrays Br #	2.65m steady	05:43 PM TUE 07/12/10
Condamine R @ Warwick(Scots Col.) *	1.64m falling	04:00 PM TUE 07/12/10
Condamine R at Warwick #	2.79m falling	05:34 PM TUE 07/12/10
Glengallan Ck near Backwater Ck #	1.95m falling	05:47 PM TUE 07/12/10
Condamine R at Tummaville *	3.92m steady	04:00 PM TUE 07/12/10
Condamine R at Centenary Br	5.9m rising	05:30 PM TUE 07/12/10
North Condamine R at Lone Pine *	2.43m falling	04:00 PM TUE 07/12/10
Oakey Ck at Fairview *	1.74m falling	04:00 PM TUE 07/12/10
Condamine R at Loudoun Br *	3.49m rising	04:00 PM TUE 07/12/10
Myall Ck at Dalby #	0.64m falling	05:40 PM TUE 07/12/10
Condamine R at Warra-Kogan Rd Br	6m rising	03:00 PM TUE 07/12/10
Condamine R at Chinchilla Weir HW *	0.47m steady	08:00 AM TUE 07/12/10
Charleys Ck at Chinchilla *	5.4m steady	08:00 AM TUE 07/12/10
Condamine R at Cotswold *	5.03m rising	05:00 PM TUE 07/12/10
Balonne R at Warkon	6.45m rising slowly	09:00 AM TUE 07/12/10
Yuleba Ck at Yuleba Forestry *	7.15m falling	05:30 PM TUE 07/12/10
Balonne R at Surat *	7.74m rising	05:00 PM TUE 07/12/10
Bungil Ck at Roma	4.4m falling fast	05:00 AM TUE 07/12/10
Balonne R at Weribone *	8.6m steady	05:00 PM TUE 07/12/10
Maranoa R at Old Cashmere *	5.39m rising	05:10 PM TUE 07/12/10
Balonne R at St George *	6.69m rising	05:30 PM TUE 07/12/10
Balonne R at Whyenbah	5.35m rising	09:00 AM TUE 07/12/10

Culgoa R at Whyenbah *	4.94m rising	05:40 PM TUE 07/12/10
Culgoa R at Woolerbilla *	4.62m steady	05:00 PM TUE 07/12/10
Narran R at Dirranbandi-Hebel Rd *	3.25m rising	05:30 PM TUE 07/12/10
Ballandool R at Hebel-Bollon Rd *	3.57m steady	04:00 PM TUE 07/12/10
Bokhara R at Hebel *	1.02m steady	04:00 PM TUE 07/12/10

*automatic station

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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
Issued at 10:29 AM on Wednesday the 8th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding will continue along the Maranoa River downstream of the Springfield area to Beardmore Dam for the next few days. Moderate flooding is being recorded in the Balonne River between Surat and Weribone and in the associated tributaries, with major flooding rising slowly below Beardmore Dam on the Balonne River at St George. Minor to moderate flooding is expected along the Condamine River between Tummaville and Cotswold during this week.

CONDAMINE RIVER TO COTSWOLD

Moderate flooding is occurring in the Condamine River at Centenary Bridge, with moderate flooding rising further downstream at Loudoun Bridge. Minor to moderate flooding is likely downstream of Loudoun Bridge to Cotswold going into the weekend.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue in the Balonne River between Surat and Weribone. Further rises are expected between Surat and Beardmore Dam during the next few days. Moderate flooding continues along Yuleba Creek at Yuleba Forestry and in Bungil Creek at Garrabarra.

MARANOA RIVER:

Moderate flooding is easing in the Woodlands area with moderate flooding rising downstream at Old Cashmere. River level rises will continue downstream to Beardmore Dam causing moderate flooding.

LOWER BALONNE RIVER SYSTEM:

Major flooding continues to rise in the Balonne River at St George. Further rises are expected during the next few days as upstream floodwaters arrive. A forecast for St George will be given once upstream peaks have been observed. River level rises and minor to moderate flooding continue downstream from St

George going into the weekend.

Weather Forecast:
Isolated showers developing late morning with possible afternoon thunderstorms.

Next Issue:
The next warning will be issued at about 10am Thursday.

River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Tummaville *	3.93m steady	08:00 AM WED 08/12/10
Condamine R at Centenary Br	6m rising slowly	05:00 AM WED 08/12/10
Condamine R at Loudoun Br *	3.69m steady	09:00 AM WED 08/12/10
Condamine R at Chinchilla Weir HW *	0.69m steady	07:15 AM WED 08/12/10
Charleys Ck at Chinchilla *	5.47m steady	08:00 AM WED 08/12/10
Condamine R at Cotswold *	5.26m steady	08:00 AM WED 08/12/10
Balonne R at Warkon	6.54m steady	09:00 AM WED 08/12/10
Yuleba Ck at Yuleba Forestry *	6.58m falling	08:20 AM WED 08/12/10
Balonne R at Surat *	7.89m steady	08:00 AM WED 08/12/10
Balonne R at Weribone *	8.9m steady	08:00 AM WED 08/12/10
Maranoa R at Old Cashmere *	5.58m steady	08:00 AM WED 08/12/10
Balonne R at St George *	6.88m steady	08:00 AM WED 08/12/10
Balonne R at Whyenbah	6.35m rising	09:00 AM WED 08/12/10
Culgoa R at Whyenbah *	5.42m steady	08:10 AM WED 08/12/10
Culgoa R at Woolerbilla *	4.72m steady	08:00 AM WED 08/12/10
Narran R at Dirranbandi-Hebel Rd *	3.54m rising	08:00 AM WED 08/12/10
Ballandool R at Hebel-Bollon Rd *	3.57m steady	08:00 AM WED 08/12/10
Bokhara R at Hebel *	1m steady	08:00 AM WED 08/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
Issued at 10:22 AM on Thursday the 9th of December 2010
by the Bureau of Meteorology, Brisbane.

A moderate flood level peak is expected at Old Cashmere during today. River
levels at St George are expected to reach at least 8 metres during the weekend.
Elsewhere on the Balonne River, moderate to major flood levels are occurring
between Surat and St George. Minor to moderate flood levels are occurring or
should be expected between Loudoun Bridge and Cotswold along the Condamine
River.

CONDAMINE RIVER TO COTSWOLD

Minor flooding is easing in the Condamine River at Centenary Bridge and levels

will continue to do so. The flood peak is currently in the Loudoun Bridge area. Minor flood peaks should be expected between Chinchilla Weir and Cotswold over the weekend and early next week. River levels at Chinchilla Weir are expected to reach 7.2 metres during the weekend.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue in the Balonne River between Surat and Weribone. The flood peak is currently in the Surat area. River level rises will continue between Surat and Beardmore Dam into the weekend. Major flood levels of 9.8 metres are possible at Weribone.

MARANOA RIVER:

Moderate flooding is easing in the Woodlands area with a moderate flood peak expected at Old Cashmere during Thursday of 6.3 metres.

LOWER BALONNE RIVER SYSTEM:

Major flooding continues to rise in the Balonne River at St George. Levels are expected to reach at least 8 metres during the weekend. Further forecasts will be made once a peak is observed at Old Cashmere. Major flood levels should be expected at Whyenbah and Hastings during the weekend. Minor to moderate flood levels should be expected elsewhere.

Predicted River Heights/Flows:
St George: Reach at least 8 metres during the weekend.

Next Issue:
The next warning will be issued at about 11am Friday.

River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Elbow Valley #	1.38m steady	08:08 AM THU 09/12/10
Condamine R at Murrays Br #	2.2m steady	08:43 AM THU 09/12/10
Condamine R @ Warwick(Scots Col.) *	1.3m steady	08:00 AM THU 09/12/10
Condamine R at Warwick #	1.89m rising	09:22 AM THU 09/12/10
Glengallan Ck near Backwater Ck #	1.3m steady	08:51 AM THU 09/12/10
Condamine R at Tummaville *	3.87m falling	02:00 AM THU 09/12/10
Condamine R at Centenary Br	5.8m falling slowly	05:00 AM THU 09/12/10
North Condamine R at Lone Pine *	2.21m steady	08:00 AM THU 09/12/10
Oakey Ck at Fairview *	0.8m falling	08:00 AM THU 09/12/10
Condamine R at Loudoun Br *	3.58m steady	08:00 AM THU 09/12/10
Myall Ck at Dalby #	0.44m steady	09:05 AM THU 09/12/10
Condamine R at Warra-Kogan Rd Br	6.63m rising slowly	06:00 AM THU 09/12/10
Condamine R at Chinchilla Weir HW *	0.87m steady	07:30 AM THU 09/12/10
Charleys Ck at Chinchilla *	5.46m steady	08:00 AM THU 09/12/10
Condamine R at Cotswold *	5.69m steady	08:00 AM THU 09/12/10
Yuleba Ck at Yuleba Forestry *	3.73m falling	08:10 AM THU 09/12/10
Balonne R at Surat *	8.04m rising	08:00 AM THU 09/12/10
Balonne R at Weribone *	9.19m steady	08:00 AM THU 09/12/10
Maranoa R at Old Cashmere *	5.97m rising	08:00 AM THU 09/12/10
Balonne R at St George *	7.24m steady	08:00 AM THU 09/12/10
Balonne R at Whyenbah	6.9m rising	09:00 AM THU 09/12/10
Culgoa R at Whyenbah *	5.81m steady	08:00 AM THU 09/12/10
Culgoa R at Woolerbilla *	4.92m steady	08:00 AM THU 09/12/10
Narran R at Dirranbandi-Hebel Rd *	3.87m rising	08:00 AM THU 09/12/10
Ballandool R at Hebel-Bollon Rd *	3.57m steady	08:00 AM THU 09/12/10
Bokhara R at Hebel *	0.97m steady	08:00 AM THU 09/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
Issued at 9:30 AM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels at St George are expected to peak around 8.3 metres during the weekend. Elsewhere on the Balonne River, moderate to major flood levels are occurring between Surat and St George. Minor flood levels are occurring or should be expected between Loudoun Bridge and Cotswold along the Condamine River.

CONDAMINE RIVER TO COTSWOLD

Minor flood levels are falling between Loudoun Bridge and Chinchilla Weir. River levels are no longer expected to reach 7.2 metres at Chinchilla Weir. Minor flood levels should be expected downstream to Cotswold into next week.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue in the Balonne River between Surat and Weribone. The flood peak is currently in the Weribone area. River level rises will continue between Weribone and Beardmore Dam into the weekend. Renewed rises with a smaller peak should be expected during next week as waters from the Condamine River arrive.

MARANOA RIVER:

Moderate flooding is easing in the Old Cashmere area where a peak was recorded overnight.

LOWER BALONNE RIVER SYSTEM:

Major flooding continues to rise in the Balonne River at St George. Levels are expected to peak around 8.3 metres during the weekend. Major flood levels are occurring at Whyenbah and Hastings. Minor to moderate flood levels should be expected elsewhere.

Predicted River Heights/Flows:
St George: Peak around 8.3 metres during the weekend.

Next Issue:
The next warning will be issued at about 11am Saturday.

River heights are constantly updated on the Bureau's website.

Latest River Heights:

Condamine R at Killarney #	0m steady	06:47 AM FRI 10/12/10
Condamine R at Elbow Valley #	1.23m steady	08:08 AM FRI 10/12/10
Condamine R at Murrays Br #	1.95m falling	06:23 AM FRI 10/12/10
Condamine R @ Warwick(Scots Col.) *	1.23m steady	08:00 AM FRI 10/12/10
Condamine R at Warwick #	1.69m steady	08:34 AM FRI 10/12/10
Glengallan Ck near Backwater Ck #	0.95m falling	08:20 AM FRI 10/12/10
Condamine R at Tummaville *	2.42m falling	06:00 AM FRI 10/12/10
Condamine R at Centenary Br	4.8m falling	05:00 AM FRI 10/12/10
North Condamine R at Lone Pine *	2.2m steady	06:00 AM FRI 10/12/10
Oakey Ck at Fairview *	0.67m steady	08:00 AM FRI 10/12/10
Condamine R at Loudoun Br *	3.46m steady	07:00 AM FRI 10/12/10
Myall Ck at Dalby #	0.34m steady	06:05 AM FRI 10/12/10
Condamine R at Warra-Kogan Rd Br	6.65m rising slowly	04:00 PM THU 09/12/10
Condamine R at Chinchilla Weir HW *	0.88m steady	06:00 AM FRI 10/12/10
Charleys Ck at Chinchilla *	5.44m steady	08:00 AM FRI 10/12/10
Condamine R at Cotswold *	6.23m rising	08:00 AM FRI 10/12/10
Yuleba Ck at Yuleba Forestry *	2.54m falling	08:20 AM FRI 10/12/10
Balonne R at Surat *	7.7m steady	08:00 AM FRI 10/12/10
Balonne R at Weribone *	9.23m steady	08:00 AM FRI 10/12/10
Maranoa R at Old Cashmere *	5.78m steady	08:00 AM FRI 10/12/10
Balonne R at St George *	7.79m steady	08:20 AM FRI 10/12/10
Balonne R at Whyenbah	6.9m rising	09:00 AM THU 09/12/10
Culgoa R at Whyenbah *	5.98m steady	08:00 AM FRI 10/12/10
Culgoa R at Woolerbilla *	5.07m rising	08:00 AM FRI 10/12/10
Narran R at Dirranbandi-Hebel Rd *	4.05m rising	02:30 AM FRI 10/12/10
Ballandool R at Hebel-Bollon Rd *	3.57m steady	08:00 AM FRI 10/12/10
Bokhara R at Hebel *	0.97m steady	08:00 AM FRI 10/12/10

*automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 11:07 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing along the Balonne River between Warkon and Weribone,
with major flooding expected to peak around 8.3 metres at St George during the
weekend. Major flooding is rising further downstream in the Whyenbah area.
Isolated minor flood levels are occurring along the Condamine River.

CONDAMINE RIVER TO COTSWOLD:

Minor flood levels are easing at Loudoun Bridge and Chinchilla Weir. Minor flood
levels area expected downstream to Cotswold during next week.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue to ease along the Balonne River between Warkon and Weribone, with the flood peak currently downstream of the Weribone area. Small renewed rises are expected during next week as waters from the Condamine River arrive.

MARANOA RIVER:

Minor flooding continues to ease in the Old Cashmere area. Renewed rises are occurring upstream at Springfield following recent rainfall.

LOWER BALONNE RIVER SYSTEM:

Major flooding continues to slowly rise in the Balonne River at St George, where levels are expected to peak around 8.3 metres during the weekend. Major flooding is occurring downstream at Whyenbah and Hastings, with minor to moderate flooding occurring elsewhere.

Predicted River Heights/Flows:
Lower Balonne River at:

St George Peak around 8.3 metres during the weekend.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Condamine R at Loudoun Br *	3.37m	falling slowly	09:00 AM SAT 11/12/10
Condamine R at Warra-Kogan Rd Br	6.37m	falling	09:00 AM SAT 11/12/10
Condamine R at Chinchilla Weir HW *	0.87m	steady	06:00 AM SAT 11/12/10
Charleys Ck at Chinchilla *	5.53m	steady	08:10 AM SAT 11/12/10
Condamine R at Cotswold *	6.7m	rising	08:10 AM SAT 11/12/10
Balonne R at Warkon	7.24m	falling slowly	09:00 AM SAT 11/12/10
Yuleba Ck at Yuleba Forestry *	2.12m	steady	08:00 AM SAT 11/12/10
Balonne R at Surat *	7.22m	steady	08:00 AM SAT 11/12/10
Balonne R at Weribone *	8.86m	falling	08:20 AM SAT 11/12/10
Maranoa R at Old Cashmere *	5.06m	falling	08:20 AM SAT 11/12/10
Balonne R at St George *	7.92m	steady	08:00 AM SAT 11/12/10
Balonne R at Whyenbah	7.2m	rising slowly	09:00 AM SAT 11/12/10
Culgoa R at Whyenbah *	6.11m	steady	08:20 AM SAT 11/12/10
Culgoa R at Woolerbilla *	5.16m	steady	08:00 AM SAT 11/12/10
Narran R at Dirranbandi-Hebel Rd *	4.14m	steady	05:00 PM FRI 10/12/10
Ballandool R at Hebel-Bollon Rd *	3.59m	steady	08:00 AM SAT 11/12/10
Bokhara R at Hebel *	0.99m	steady	08:00 AM SAT 11/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 11:02 PM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are being observed in the upper Condamine catchment along Dalrymple Creek. Moderate flooding is easing along the Balonne River between Warkon and Weribone, with major flooding expected to peak around 8.3 metres at St George during the weekend. Major flooding is rising further downstream in the Whyenbah area. Isolated minor flood levels are occurring along the Condamine River.

CONDAMINE RIVER TO COTSWOLD:

Major flood levels have been observed at Allora along Dalrymple Creek and moderate flood levels along Glengallan Creek. Rainfall is continuing although it has eased in the 2 hours to 11pm. Fast rises are likely elsewhere in the area including the Condamine River upstream of Warwick. At this stage, river levels at Warwick are expected to rise to around 5 metres with some minor flooding.

Minor flood levels are easing at Loudoun Bridge and Chinchilla Weir. Minor flood levels area expected downstream to Cotswold during next week. Levels will rise again during this week.

BALONNE RIVER AND TRIBUTARY CREEKS:

Moderate flood levels continue to ease along the Balonne River between Warkon and Weribone, with the flood peak currently downstream of the Weribone area. Small renewed rises are expected during next week as waters from the Condamine River arrive.

MARANOA RIVER:

Minor flooding continues to ease in the Old Cashmere area. Renewed rises are occurring upstream at Springfield following recent rainfall.

LOWER BALONNE RIVER SYSTEM:

Major flooding continues to slowly rise in the Balonne River at St George, where levels are expected to peak around 8.3 metres during the weekend. Major flooding is occurring downstream at Whyenbah and Hastings, with minor to moderate flooding occurring elsewhere.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Condamine R at Killarney #	0.15m falling	10:47 PM SAT 11/12/10
Condamine R at Elbow Valley #	1.33m falling	09:56 PM SAT 11/12/10
Condamine R at Murrays Br #	2m rising	10:41 PM SAT 11/12/10
Condamine R @ Warwick(Scots Col.) *	1.22m steady	09:00 PM SAT 11/12/10
Condamine R at Warwick #	1.94m rising	10:47 PM SAT 11/12/10
Glengallan Ck near Backwater Ck #	4.4m rising	10:06 PM SAT 11/12/10
Condamine R at Tummaville *	2.42m rising	09:00 PM SAT 11/12/10
North Condamine R at Lone Pine *	4m rising	09:00 PM SAT 11/12/10
Oakey Ck at Fairview *	0.65m steady	09:00 PM SAT 11/12/10
Condamine R at Loudoun Br *	3.28m falling	09:00 PM SAT 11/12/10
Myall Ck at Dalby #	0.29m steady	09:04 PM SAT 11/12/10
Condamine R at Warra-Kogan Rd Br	6.37m falling	09:00 AM SAT 11/12/10
Condamine R at Chinchilla Weir HW *	0.84m steady	06:00 PM SAT 11/12/10
Charleys Ck at Chinchilla *	6.07m rising	08:30 PM SAT 11/12/10
Condamine R at Cotswold *	6.85m steady	08:00 PM SAT 11/12/10

Balonne R at Warkon	7.27m rising slowly	09:00 PM SAT 11/12/10
Yuleba Ck at Yuleba Forestry *	2.57m rising	08:40 PM SAT 11/12/10
Balonne R at Surat *	7.01m falling	08:20 PM SAT 11/12/10
Balonne R at Weribone *	8.61m falling	08:40 PM SAT 11/12/10
Maranoa R at Old Cashmere *	4.45m steady	08:30 PM SAT 11/12/10
Balonne R at St George *	7.44m falling	08:40 PM SAT 11/12/10
Balonne R at Whyenbah	7.2m rising slowly	09:00 AM SAT 11/12/10
Culgoa R at Whyenbah *	6.16m rising	08:00 PM SAT 11/12/10
Culgoa R at Woolerbilla *	5.21m steady	08:00 PM SAT 11/12/10
Narran R at Dirranbandi-Hebel Rd *	4.34m steady	05:00 PM SAT 11/12/10
Ballandool R at Hebel-Bollon Rd *	3.6m steady	08:10 PM SAT 11/12/10
Bokhara R at Hebel *	1.01m steady	08:00 PM SAT 11/12/10

*automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 11:35 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues along the Balonne River between Warkon and Weribone and is rising in Dogwood Creek downstream of Miles. Major flood levels have peaked at St George and are currently falling. Major flooding is rising further downstream in the Whyenbah area. Isolated minor flood levels are occurring along the Condamine River.

CONDAMINE RIVER TO COTSWOLD:

Minor flood levels continue to rise in the upper Condamine River at Elbow Valley. Further small rises are expected at Warwick during Sunday but at this stage levels are not expected to reach the minor flood level of 5 metres. Minor flooding is rising in Dalrymple Creek at victoria Hill and along the Condamine River north branch between Pampas Bridge and Lone Pine following recent rainfall.

Downstream in the Condamine River at Loudoun Bridge and Chinchilla Weir minor flooding is steady with renewed rises forecast during the next few days as upstream floodwaters from Dalrymple Creek and the Warwick area arrive. Minor possibly moderate flood levels are expected downstream to Cotswold this week.

BALONNE RIVER AND TRIBUTARY CREEKS:

Minor flooding continues along the Balonne River between Cotswold and Surat with minor flooding rising in Dogwood Creek downstream of Miles with moderate flooding expected downstream to the Pine Hill Crossing area. Moderate flood levels continue to ease at Weribone. Renewed rises are expected along the

Balonne River during next week as waters from the Condamine River and local tributaries arrive.

MARANOA RIVER:

Recent rainfall in the upper Maranoa River has produced river level rises and minor flooding between Currawong and Mitchell. Further rises and moderate flooding are expected at Mitchell during Sunday. Downstream in the Springfield area river level rises are being recorded with moderate flooding expected during the next 24 hours.

LOWER BALONNE RIVER SYSTEM:

Major flood levels in the Balonne River at St George have recorded a peak at 8.05 metres during Saturday. Major flooding is occurring downstream at Whyenbah and Hastings, with minor to moderate flooding occurring elsewhere.

Next Issue:
The next warning will be issued at about 4pm Sunday.

Latest River Heights:

Condamine R at Elbow Valley #	2.03m	rising	08:09 AM SUN 12/12/10
Condamine R at Murrays Br #	3.05m	falling	09:45 AM SUN 12/12/10
Condamine R @ Warwick(Scots Col.) *	1.82m	steady	09:00 AM SUN 12/12/10
Condamine R at Warwick #	3.09m	rising	08:43 AM SUN 12/12/10
Glengallan Ck near Backwater Ck #	2.4m	falling	10:06 AM SUN 12/12/10
Condamine R at Tummaville *	2.39m	rising	09:00 AM SUN 12/12/10
North Condamine R at Lone Pine *	3.97m	falling	09:00 AM SUN 12/12/10
Oakey Ck at Fairview *	0.60m	steady	09:00 AM SUN 12/12/10
Condamine R at Loudoun Br *	3.16m	steady	09:00 AM SUN 12/12/10
Myall Ck at Dalby #	0.39m	rising	09:10 AM SUN 12/12/10
Condamine R at Chinchilla Weir HW *	0.80m	steady	09:30 AM SUN 12/12/10
Charleys Ck at Chinchilla *	5.75m	falling	09:10 AM SUN 12/12/10
Condamine R at Cotswold *	7.04m	falling	09:30 AM SUN 12/12/10
Balonne R at Warkon	7.38m	rising slowly	09:00 AM SUN 12/12/10
Yuleba Ck at Yuleba Forestry *	2.67m	steady	08:00 AM SUN 12/12/10
Balonne R at Surat *	6.86m	steady	08:00 AM SUN 12/12/10
Bungil Ck at Roma	3.10m	rising slowly	06:30 AM SUN 12/12/10
Balonne R at Weribone *	8.37m	steady	08:10 AM SUN 12/12/10
Maranoa R at Old Cashmere *	4.02m	falling	08:10 AM SUN 12/12/10
Balonne R at St George *	6.72m	falling	08:20 AM SUN 12/12/10
Culgoa R at Whyenbah *	6.20m	rising	08:00 AM SUN 12/12/10
Culgoa R at Woolerbilla *	5.25m	rising	08:00 AM SUN 12/12/10
Narran R at Dirranbandi-Hebel Rd *	4.43m	rising	08:00 AM SUN 12/12/10
Ballandool R at Hebel-Bollon Rd *	3.62m	steady	08:00 AM SUN 12/12/10
Bokhara R at Hebel *	1.01m	steady	08:00 AM SUN 12/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 3:59 PM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues between Moderate, possibly major flood levels are expected at Pine Hill Crossing along Dogwood Creek. Minor flooding continues along the Upper Condamine. Renewed rises are expected at St George late in the week along the Balonne River. Major flooding is rising downstream in the Whyenbah area.

CONDAMINE RIVER TO COTSWOLD:

Minor flooding continues in Dalrymple Creek at victoria Hill and along the Condamine River north branch between Pampas Bridge and Lone Pine following recent rainfall.

Downstream in the Condamine River at Loudoun Bridge and Chinchilla Weir minor flooding is steady with renewed rises forecast on Monday and Tuesday as upstream flood waters arrive. Minor, possibly moderate flood levels are expected downstream to Cotswold this week.

BALONNE RIVER AND TRIBUTARY CREEKS:

Minor flooding continues along the Balonne River between Cotswold and Surat with minor flooding rising in Dogwood Creek downstream of Miles with moderate, possibly major flooding expected downstream in the Pine Hill Crossing area. Moderate flood levels continue to ease at Weribone. Renewed rises are expected along the Balonne River during next week as waters from the Condamine River and local tributaries arrive.

MARANOA RIVER:

Recent rainfall in the upper Maranoa River has produced river level rises and minor flooding between Currawong and Mitchell. Further rises and moderate flooding are expected at Mitchell during Sunday. Downstream in the Springfield area river level rises are being recorded with moderate flooding expected during the next 24 hours. Moderate flood levels of at least 5.5 metres should be expected at Old Cashmere this week.

LOWER BALONNE RIVER SYSTEM:

Major flood levels in the Balonne River at St George have recorded a peak at 8.05 metres during Saturday. Renewed rises are likely late in the week. Major flood levels are occurring downstream at Whyenbah and Hastings, with minor or moderate flood levels occurring elsewhere.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0m steady	12:47 PM SUN 12/12/10
Condamine R at Elbow Valley #	1.98m falling	02:42 PM SUN 12/12/10
Condamine R at Murrays Br #	3.05m steady	02:43 PM SUN 12/12/10
Condamine R @ Warwick(Scots Col.) *	1.72m falling	02:00 PM SUN 12/12/10
Condamine R at Warwick #	2.99m steady	02:34 PM SUN 12/12/10
Glengallan Ck near Backwater Ck #	1.85m falling	03:21 PM SUN 12/12/10
Condamine R at Tummaville *	2.7m rising	02:00 PM SUN 12/12/10

Condamine R at Centenary Br	4.9m rising	12:00 PM SUN 12/12/10
North Condamine R at Lone Pine *	3.77m falling	02:00 PM SUN 12/12/10
Oakey Ck at Fairview *	0.59m steady	02:00 PM SUN 12/12/10
Condamine R at Loudoun Br *	3.15m steady	02:00 PM SUN 12/12/10
Myall Ck at Dalby #	0.54m rising	03:10 PM SUN 12/12/10
Condamine R at Chinchilla Weir HW *	0.8m steady	12:00 PM SUN 12/12/10
Charleys Ck at Chinchilla *	5.7m steady	02:20 PM SUN 12/12/10
Condamine R at Cotswold *	7.19m falling	02:30 PM SUN 12/12/10
Balonne R at Warkon	7.38m rising slowly	09:00 AM SUN 12/12/10
Yuleba Ck at Yuleba Forestry *	3.04m rising	02:40 PM SUN 12/12/10
Balonne R at Surat *	6.78m falling	02:40 PM SUN 12/12/10
Bungil Ck at Roma	4.85m rising slowly	02:30 PM SUN 12/12/10
Balonne R at Weribone *	8.24m falling	02:40 PM SUN 12/12/10
Maranoa R at Old Cashmere *	3.8m falling	02:40 PM SUN 12/12/10
Balonne R at St George *	6.69m steady	02:00 PM SUN 12/12/10
Balonne R at Whyenbah	7.33m steady	10:00 AM SUN 12/12/10
Culgoa R at Whyenbah *	6.2m steady	12:00 PM SUN 12/12/10
Culgoa R at Woolerbilla *	5.28m steady	02:00 PM SUN 12/12/10
Narran R at Dirranbandi-Hebel Rd *	4.46m rising	02:00 PM SUN 12/12/10
Ballandool R at Hebel-Bollon Rd *	3.62m steady	12:00 PM SUN 12/12/10
Bokhara R at Hebel *	1.02m steady	12:00 PM SUN 12/12/10

*automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:49 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues along the Upper Condamine River. Renewed rises and moderate flooding is occurring along Dogwood Creek and also along the Maranoa River in the Mitchell area. Major flooding continues on the lower Balonne River at St George with renewed rises and continued high river levels going into next week. Major flooding continues downstream in the Whyenbah area.

CONDAMINE RIVER TO COTSWOLD:

Minor flooding is easing in the Condamine River north branch at Pampas Bridge, and remains steady in the Condamine River at Centenary Bridge.

Renewed rises and minor flooding are occurring further downstream at Loudoun Bridge as upstream flood waters arrive. Minor flooding is expected to extend downstream to Cotswold during this week, with higher levels and some moderate flood levels possible.

BALONNE RIVER AND TRIBUTARY CREEKS:

River rises and moderate flooding is also occurring on Dogwood Creek at Pine Hill Crossing, with further rises and major flooding possible during Monday. Minor flooding continues along the Balonne River between Cotswold and Surat, with moderate flooding also easing downstream at Weribone. Renewed rises are expected along the Balonne River during this week as waters from the Condamine River and local tributaries arrive.

Stream levels along Bungil Creek are falling during Monday morning, following fast rises yesterday at Tabers and at Roma.

MARANOA RIVER:

Minor to moderate flooding has peaked on the upper Maranoa River between Currawong and Mitchell, with rises and moderate flooding expected further downstream during Monday between Springfield and Woodlands. Moderate flood levels of at least 5.5 metres should be expected at Old Cashmere later this week.

LOWER BALONNE RIVER SYSTEM:

Major flood levels continue to ease in the Balonne River at St George, with renewed rises expected later this week which will maintain high river levels going into next week. Major flood levels are occurring downstream at Whyenbah and Hastings, with minor or moderate flood levels occurring elsewhere.

Weather Forecast:
Isolated afternoon showers.
Isolated afternoon and evening thunderstorms in the east.

Next Issue:
The next warning will be issued at about 11am Tuesday.

Latest River Heights:

Condamine R at Tummaville *	4.33m rising	08:00 AM MON 13/12/10
Condamine R at Centenary Br	5.7m rising	06:00 AM MON 13/12/10
Condamine R at Loudoun Br *	3.28m rising	08:00 AM MON 13/12/10
Condamine R at Warra-Kogan Rd Br	NA	
Condamine R at Chinchilla Weir HW *	0.75m steady	06:00 AM MON 13/12/10
Charleys Ck at Chinchilla *	5.54m falling	08:00 AM MON 13/12/10
Condamine R at Condamine	NA	
Condamine R at Cotswold *	7.76m steady	08:00 AM MON 13/12/10
Balonne R at Warkon	7.91m rising slowly	06:00 AM MON 13/12/10
Yuleba Ck at Yuleba Forestry *	3.91m rising	08:40 PM SUN 12/12/10
Balonne R at Surat *	6.7m steady	08:00 AM MON 13/12/10
Bungil Ck at Roma	5.5m falling slowly	08:00 AM MON 13/12/10
Balonne R at Weribone *	7.98m steady	08:00 AM MON 13/12/10
Maranoa R at Old Cashmere *	3.46m steady	08:00 AM MON 13/12/10
Balonne R at St George *	6.25m steady	08:00 AM MON 13/12/10
Balonne R at Whyenbah	7.25m falling	09:00 AM MON 13/12/10
Culgoa R at Whyenbah *	6.17m falling	08:00 AM MON 13/12/10
Culgoa R at Woolerbilla *	5.36m rising	08:00 AM MON 13/12/10
Narran R at Dirranbandi-Hebel Rd *	4.54m steady	08:00 AM MON 13/12/10
Ballandool R at Hebel-Bollon Rd *	3.68m rising	08:00 AM MON 13/12/10
Bokhara R at Hebel *	1.03m steady	08:00 AM MON 13/12/10

* denotes automatic station.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:14 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Upper Condamine River, along Dogwood, Bungil and Yuleba Creeks and also along the lower Maranoa River. Moderate flooding continues on the lower Balonne River at St George with renewed rises and continued high river levels expected going into next week. Major flooding continues downstream in the Whyenbah area.

CONDAMINE RIVER TO COTSWOLD:

Moderate flooding is rising in the Condamine River at Centenary Bridge. Renewed rises and minor to moderate flooding is occurring downstream between Loudoun and Ranges Bridges as upstream floodwaters arrive. Minor flooding is expected to extend downstream to Cotswold during this week, with higher levels and some moderate flood levels possible.

BALONNE RIVER AND TRIBUTARY CREEKS:

River rises and minor to moderate flooding is occurring on Dogwood Creek at Pine Hill Crossing, Yuleba Creek at Yuleba Forestry and in Bungil Creek at Garrabarra. Minor to moderate flooding continues to rise along the Balonne River between Cotswold and Surat. Further rises are expected along the Balonne River during this week as waters from the Condamine River and local tributaries arrive. Major flood levels are possible at Surat during this week.

Stream levels in Bungil Creek at Garrabarra are rising slowly, following rises upstream at Roma.

MARANOA RIVER:

Minor to moderate flooding has peaked on the upper Maranoa River between Currawong and Springfield with moderate flooding approaching a peak at Woodlands. Moderate flood levels of at least 5.5 metres should be expected at Old Cashmere later this week.

LOWER BALONNE RIVER SYSTEM:

Moderate flood levels continue to ease in the Balonne River at St George, with renewed rises expected later this week which will maintain high river levels going into next week. Major flood levels are occurring downstream at Whyenbah and Hastings, with minor or moderate flood levels occurring elsewhere.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Condamine R at Killarney #	0.05m steady	06:47 AM TUE 14/12/10
Condamine R at Elbow Valley #	1.18m steady	08:08 AM TUE 14/12/10

Condamine R at Murrays Br #	1.90m	steady	08:43 AM TUE 14/12/10
Condamine R @ Warwick(Scots Col.) *	1.25m	falling	08:00 AM TUE 14/12/10
Condamine R at Warwick #	1.79m	steady	08:34 AM TUE 14/12/10
Glengallan Ck near Backwater Ck #	1.15m	rising	07:57 AM TUE 14/12/10
ondamine R at Tummaville *	4.30m	steady	08:00 AM TUE 14/12/10
Condamine R at Centenary Br	6.15m	rising	05:00 AM TUE 14/12/10
North Condamine R at Lone Pine *	3.19m	falling	06:00 AM TUE 14/12/10
Oakey Ck at Fairview *	2.14m	falling	08:00 AM TUE 14/12/10
Condamine R at Loudoun Br *	3.68m	steady	08:00 AM TUE 14/12/10
Myall Ck at Dalby #	0.54m	falling	06:04 AM TUE 14/12/10
Condamine R at Warra-Kogan Rd Br	5.62m	falling	06:00 AM TUE 14/12/10
Condamine R at Chinchilla Weir HW *	0.74m	steady	06:00 AM TUE 14/12/10
Charleys Ck at Chinchilla *	5.36m	falling	08:00 AM TUE 14/12/10
Condamine R at Cotswold *	8.09m	rising	08:10 AM TUE 14/12/10
Balonne R at Warkon	8.75m	rising slowly	06:00 AM TUE 14/12/10
Yuleba Ck at Yuleba Forestry *	6.71m	rising	08:00 AM TUE 14/12/10
Balonne R at Surat *	7.08m	rising	08:10 AM TUE 14/12/10
Balonne R at Weribone *	7.82m	rising	08:20 AM TUE 14/12/10
Maranoa R at Old Cashmere *	4.05m	rising	08:30 AM TUE 14/12/10
Balonne R at St George *	5.16m	steady	08:00 AM TUE 14/12/10
Culgoa R at Whyenbah *	5.93m	falling	08:10 AM TUE 14/12/10
Culgoa R at Woolerbilla *	5.47m	steady	08:00 AM TUE 14/12/10
Narran R at Dirranbandi-Hebel Rd *	4.59m	steady	08:00 AM TUE 14/12/10
Ballandool R at Hebel-Bollon Rd *	3.78m	steady	08:00 AM TUE 14/12/10
Bokhara R at Hebel *	1.06m	steady	08:00 AM TUE 14/12/10

* from automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:50 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Upper Condamine River, along Dogwood, Bungil and Yuleba Creeks, and also along the lower Maranoa River. Moderate to major flooding extends along the Balonne River between Warkon and Weribone. Renewed river level rises and moderate flood levels are being recorded in the lower Balonne River at St George. Minor to moderate flooding continues downstream of St George.

CONDAMINE RIVER TO COTSWOLD:

Moderate flooding is rising in the Condamine River at Centenary Bridge. Renewed rises and minor to moderate flooding is occurring downstream between Loudoun and Ranges Bridges as upstream floodwaters arrive. Minor flooding is steady at Cotswold with further rises likely this week.

BALONNE RIVER AND TRIBUTARY CREEKS:

Minor to moderate flooding is occurring on Dogwood Creek at Pine Hill Crossing, Yuleba Creek at Yuleba Forestry and in Bungil Creek at Garrabarra. Minor to moderate flooding continues to rise along the Balonne River between Cotswold and and Beardmore Dam with major flood levels rising at Warkon. Major flood levels are possible at Surat during this week.

Further rises are expected along the Balonne River during this week as waters from the Condamine River and local tributaries arrive.

MARANOA RIVER:

Moderate flood levels have peaked in the Woodlands area with moderate flood levels of at least 5.5 metres expected at Old Cashmere later this week.

LOWER BALONNE RIVER SYSTEM:

Renewed river levels rises causing moderate flooding are being recorded in the Balonne River at St George. These renewed rises will maintain high river levels going into next week. A forecast will be given for St George once upstream peaks have been observed. Minor to moderate flood levels are occurring downstream of St George.

Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Condamine R at Centenary Br	6.35m rising slowly	05:00 AM WED 15/12/10
North Condamine R at Lone Pine *	2.84m falling	08:00 AM WED 15/12/10
Oakey Ck at Fairview *	0.91m falling	08:00 AM WED 15/12/10
Condamine R at Loudoun Br *	3.47m steady	08:00 AM WED 15/12/10
Myall Ck at Dalby #	0.49m steady	09:04 AM WED 15/12/10
Condamine R at Warra-Kogan Rd Br	6m rising	06:00 AM WED 15/12/10
Condamine R at Chinchilla Weir HW *	0.67m steady	06:00 AM WED 15/12/10
Charleys Ck at Chinchilla *	5.27m steady	08:00 AM WED 15/12/10
Condamine R at Cotswold *	8.1m rising	08:00 AM WED 15/12/10
Balonne R at Warkon	9.4m rising slowly	06:00 AM WED 15/12/10
Yuleba Ck at Yuleba Forestry *	6.18m falling	08:20 AM WED 15/12/10
Balonne R at Surat *	7.63m rising	08:00 AM WED 15/12/10
Balonne R at Weribone *	8.23m rising	08:10 AM WED 15/12/10
Maranoa R at Old Cashmere *	5.01m rising	08:00 AM WED 15/12/10
Balonne R at St George *	5.57m steady	08:00 AM WED 15/12/10
Balonne R at Whyenbah	6.64m falling slowly	09:00 AM WED 15/12/10
Culgoa R at Whyenbah *	5.38m falling	08:20 AM WED 15/12/10
Culgoa R at Woolerbilla *	5.57m steady	08:20 AM WED 15/12/10
Narran R at Dirranbandi-Hebel Rd *	4.61m steady	08:00 AM WED 15/12/10
Ballandool R at Hebel-Bollon Rd *	2.71m rising	08:00 AM WED 15/12/10
Bokhara R at Hebel *	1.09m steady	08:00 AM WED 15/12/10

* from automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:03 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues along the Upper Condamine River, and also along the lower Maranoa River at Old Cashmere. Moderate flooding extends along the Balonne River downstream from Cotswold through to Beardmore Dam, with major flood levels rising at Warkon. Moderate flood levels are being recorded in the lower Balonne River at St George with some renewed rises which will maintain high river levels going into next week. Minor to moderate flooding continues downstream of St George.

CONDAMINE RIVER TO COTSWOLD:
Minor flooding is occurring along sections of the Condamine River between Centenary Bridge and Ranges Bridge, with some moderate river levels likely during the next few days as upstream floodwaters arrive. Minor flooding is also occurring at Cotswold.

BALONNE RIVER AND TRIBUTARY CREEKS:
Stream levels have eased below minor on Dogwood Creek, Yuleba Creek and in Bungil Creek. Moderate flood levels are rising along the Balonne River between Warkon and Beardmore Dam, with major flooding rising upstream at Warkon. Major flood levels are possible at Surat later this week.

River levels are expected to remain high along the Balonne River during this week and next week as waters from the Condamine River and local tributaries arrive.

MARANOA RIVER:
Moderate flooding continues to rise at Old Cashmere with further rises expected to remain below 6 metres.

LOWER BALONNE RIVER SYSTEM:
Moderate flooding remains steady at St George, with some renewed rises expected going into the weekend which will maintain high river levels and moderate flooding during next week. A forecast will be given for St George once upstream peaks have been observed.

Minor to moderate flood levels are occurring downstream of St George.

Weather Forecast:
Scattered afternoon showers and thunderstorms.

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:

Condamine R at Centenary Br	5.55m falling slowly	06:00 AM THU 16/12/10
North Condamine R at Lone Pine *	3.04m rising	07:00 AM THU 16/12/10
Condamine R at Loudoun Br *	3.48m steady	07:00 AM THU 16/12/10
Condamine R at Warra-Kogan Rd Br	6.4m steady	06:00 AM THU 16/12/10
Condamine R at Chinchilla Weir HW *	0.74m steady	06:00 AM THU 16/12/10
Charleys Ck at Chinchilla *	5.23m steady	08:00 AM THU 16/12/10
Condamine R at Cotswold *	7.93m rising	08:00 AM THU 16/12/10
Balonne R at Warkon	9.78m rising slowly	06:00 AM THU 16/12/10

Yuleba Ck at Yuleba Forestry *	2.73m falling	08:10 AM THU 16/12/10
Balonne R at Surat *	7.93m steady	08:00 AM THU 16/12/10
Bungil Ck at Roma	NA	
Balonne R at Weribone *	8.64m rising	08:00 AM THU 16/12/10
Maranoa R at Old Cashmere *	5.58m rising	08:20 AM THU 16/12/10
Balonne R at St George *	5.58m steady	08:00 AM THU 16/12/10
Balonne R at Whyenbah	6.1m falling slowly	09:00 AM THU 16/12/10
Culgoa R at Whyenbah *	5.31m steady	08:00 AM THU 16/12/10
Culgoa R at Woolerbilla *	5.71m rising	05:30 AM THU 16/12/10
Narran R at Dirranbandi-Hebel Rd *	4.63m steady	08:00 AM THU 16/12/10
Ballandool R at Hebel-Bollon Rd *	2.81m rising	08:00 AM THU 16/12/10
Bokhara R at Hebel *	1.11m steady	08:00 AM THU 16/12/10

* denotes automatic station.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:50 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues along the Upper Condamine River, with moderate flooding rising in the lower Maranoa River at Old Cashmere. Moderate flooding extends along the Balonne River downstream from Cotswold through to Beardmore Dam, with major flood levels at a peak at Warkon. Major flood levels are being recorded in the lower Balonne River at St George with some renewed rises which will maintain high river levels going into next week. Minor to moderate flooding continues downstream of St George.

CONDAMINE RIVER TO COTSWOLD:
Overnight rainfall from storms has produced small river level rises and localised minor flooding in Hodgson Creek at Felton. Minor flooding is falling along the Condamine River in the Centenary Bridge area with minor to moderate flooding occurring downstream between Loudoun Bridge and Ranges Bridge.

River level rises to above the minor flood level of 6.0 metres are likely in the Chinchilla Weir area during the next 24 hours. Minor flooding is also occurring at Cotswold with further rises possible as upstream waters arrive.

BALONNE RIVER AND TRIBUTARY CREEKS:
Moderate flood levels are rising along the Balonne River between Surat and Beardmore Dam, with major flooding at a peak upstream at Warkon. Major flood levels are possible at Surat later this week.

River levels are expected to remain high along the Balonne River into the weekend and into next week as waters from the Condamine River and local tributaries arrive.

MARANOA RIVER:
Moderate flood levels are approaching a peak at Old Cashmere. Further small rises are possible with river levels forecast to remain below 6 metres.

LOWER BALONNE RIVER SYSTEM:
Major flooding is rising at St George, with further rises expected during the weekend which will maintain high river levels during next week. A forecast will be given for St George once upstream peaks have been observed.

Minor to moderate flood levels are occurring downstream of St George.

Weather Forecast:
Scattered afternoon showers and thunderstorms.

Next Issue:
The next warning will be issued at about 11am Saturday.

Latest River Heights:

Condamine R at Killarney #	0.00m steady	06:47 AM FRI 17/12/10
Condamine R at Elbow Valley #	1.93m rising	08:21 AM FRI 17/12/10
Condamine R at Murrays Br #	2.15m rising	08:58 AM FRI 17/12/10
Condamine R @ Warwick(Scots Col.) *	1.19m steady	08:00 AM FRI 17/12/10
Condamine R at Warwick #	1.59m rising	08:47 AM FRI 17/12/10
Glengallan Ck near Backwater Ck #	1.25m rising	07:54 AM FRI 17/12/10
Condamine R at Tummaville *	2.42m rising	08:00 AM FRI 17/12/10
Condamine R at Centenary Br	NA	
North Condamine R at Lone Pine *	2.81m falling	08:00 AM FRI 17/12/10
Oakey Ck at Fairview *	0.91m steady	08:00 AM FRI 17/12/10
Condamine R at Loudoun Br *	3.58m steady	08:00 AM FRI 17/12/10
Myall Ck at Dalby #	0.54m rising	07:28 AM FRI 17/12/10
Condamine R at Warra-Kogan Rd Br	6.05m falling	06:00 AM FRI 17/12/10
Condamine R at Chinchilla Weir HW *	0.78m steady	06:00 AM FRI 17/12/10
Charleys Ck at Chinchilla *	5.41m steady	08:00 AM FRI 17/12/10
Condamine R at Cotswold *	7.47m falling	08:00 AM FRI 17/12/10
Balonne R at Warkon	9.85m falling slowly	06:00 AM FRI 17/12/10
Yuleba Ck at Yuleba Forestry *	2.37m rising	08:20 AM FRI 17/12/10
Balonne R at Surat *	8.23m rising	08:10 AM FRI 17/12/10
Bungil Ck at Roma	0.50m steady	08:00 AM FRI 17/12/10
Balonne R at Weribone *	8.78m steady	08:00 AM FRI 17/12/10
Maranoa R at Old Cashmere *	5.78m rising	06:20 AM FRI 17/12/10
Balonne R at St George *	7.39m steady	08:00 AM FRI 17/12/10
Balonne R at Whyenbah	6.35m rising slowly	09:00 AM FRI 17/12/10
Culgoa R at Whyenbah *	5.43m rising	08:20 AM FRI 17/12/10
Culgoa R at Woolerbilla *	5.89m rising	08:00 AM FRI 17/12/10
Narran R at Dirranbandi-Hebel Rd *	4.64m steady	08:00 AM FRI 17/12/10
Ballandool R at Hebel-Bollon Rd *	2.91m rising	08:00 AM FRI 17/12/10
Bokhara R at Hebel *	1.14m steady	08:00 AM FRI 17/12/10

*,# from automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:30 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

Overnight rainfall across the upper Condamine catchment has produced some fast stream rises in the Myall Creek area, with some minor flooding likely at Dalby during Saturday afternoon. Elsewhere minor to moderate flooding continues along the Upper Condamine River.

Moderate flooding extends along the Balonne River downstream from Cotswold through to Beardmore Dam, with major flood levels easing at Warkon. Major flood levels remain steady in the lower Balonne River at St George with some renewed rises which will maintain high river levels going into next week. Moderate to major flooding continues downstream from St George.

The heaviest daily rainfall totals recorded to 9am Saturday include Possum Park 30mm, with 10-20mm in the area between Beruna and Oakey, and less than 10mm elsewhere across the upper Condamine catchment.

CONDAMINE RIVER TO COTSWOLD:
Further rainfall across the upper Condamine catchment has produced some fast stream rises along Myall Creek overnight Friday, with moderate flood levels currently easing at Clydesdale. Creek rises to about the minor flood level of 2 metres are expected downstream at Dalby during Saturday afternoon.

Minor flooding is also rising along the Condamine River in the Centenary Bridge area with minor to moderate flooding occurring downstream between Loudoun Bridge and Ranges Bridge.

Stream rises are expected along Charleys Creek, with minor flood levels also rising on the Condamine River in the Chinchilla Weir area. Renewed rises and minor flooding are expected downstream through to the Cotswold area during the next few days as upstream floodwaters arrive.

BALONNE AND MARANOA RIVERS AND TRIBUTARY CREEKS TO BEARDMORE DAM:
Major flooding is easing at Warkon, with river rises and moderate flood levels extending along the Balonne River between Surat and Beardmore Dam. Major flood levels are possible during the weekend at Surat.

Minor flooding is easing on the Maranoa River at Old Cashmere, following a moderate flood peak to 5.78 metres recorded at 6am Friday.

River levels are expected to remain high along the Balonne River during the weekend and into next week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels remain steady at St George, with further small rises expected during the weekend which will maintain high river levels during next week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain during next week.

Weather Forecast:
Cloudy with some light patchy rain. Scattered showers and thunderstorms developing in the north and east during the afternoon and evening.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Condamine R at Warwick #	2.24m steady	08:34 AM SAT 18/12/10
Condamine R at Tummaville *	3.71m steady	08:00 AM SAT 18/12/10
Condamine R at Centenary Br	5.35m rising	08:00 AM SAT 18/12/10
North Condamine R at Lone Pine *	2.62m steady	08:00 AM SAT 18/12/10
Oakey Ck at Fairview *	1.23m steady	08:00 AM SAT 18/12/10
Condamine R at Loudoun Br *	3.54m steady	08:00 AM SAT 18/12/10
Myall Ck at Dalby #	1.34m rising	09:48 AM SAT 18/12/10
Condamine R at Warra-Kogan Rd Br	6.1m rising	06:00 AM SAT 18/12/10
Condamine R at Chinchilla Weir HW *	0.78m steady	06:00 AM SAT 18/12/10
Charleys Ck at Chinchilla *	5.64m falling	08:00 AM SAT 18/12/10
Condamine R at Cotswold *	7.03m rising	08:10 AM SAT 18/12/10
Balonne R at Warkon	9.41m falling slowly	09:00 AM SAT 18/12/10
Balonne R at Surat *	8.5m rising	08:20 AM SAT 18/12/10
Bungil Ck at Roma	0.5m steady	06:00 AM SAT 18/12/10
Balonne R at Weribone *	8.91m steady	08:00 AM SAT 18/12/10
Maranoa R at Old Cashmere *	4.83m falling	08:20 AM SAT 18/12/10
Balonne R at St George *	7.00m steady	09:00 AM SAT 18/12/10
Balonne R at St George *	6.94m falling	08:00 AM SAT 18/12/10
Balonne R at Whyenbah	6.95m rising slowly	09:00 AM SAT 18/12/10
Culgoa R at Whyenbah *	5.89m rising	08:00 AM SAT 18/12/10
Culgoa R at Woolerbilla *	5.93m steady	08:00 PM FRI 17/12/10
Narran R at Dirranbandi-Hebel Rd *	4.63m steady	08:00 AM SAT 18/12/10
Ballandool R at Hebel-Bollon Rd *	3.01m rising	08:00 AM SAT 18/12/10
Bokhara R at Hebel *	1.2m rising	08:00 AM SAT 18/12/10

*,# denotes automatic station.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 11:17 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Upper Condamine River at Centerary Bridge and between Loudoun Bridge and Chinchilla Weir.

Moderate flooding extends along the Balonne River between Warkon and Weribone. Major flood levels are easing in the lower Balonne River at St George with some renewed rises likely which will maintain high river levels during this week. Moderate to major flooding continues downstream from St George.

The heaviest daily rainfall totals recorded to 9am Sunday include Mitchell 50mm, Mungallala 37mm and 28mm at Roma, with less than 20mm recorded elsewhere across the Condamine and Balonne River catchments.

CONDAMINE RIVER TO COTSWOLD:
Minor flooding is rising along the Condamine River in the Centenary Bridge area with minor to moderate flooding occurring downstream between Loudoun Bridge and Chinchilla Weir. Renewed rises and minor flooding are expected downstream to the Cotswold area during the next few days.

MARANOA RIVER:
River level rises are causing minor flooding in the Maranoa River at Currawong. River level rises are forecast to continue at Mitchell during Sunday with minor flooding likely.

BALONNE RIVER TO BEARDMORE DAM:
Moderate flood levels extend along the Balonne River between Warkon and Weribone. Major flood levels are possible at Surat during the next 24 hours.

River levels are expected to remain high along the Balonne River during this week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels are easing at St George, with further rises expected which will maintain high river levels during this week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.

Weather Forecast:
Increasing rain periods, local thunder and moderate to heavy falls.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0.00m	steady	09:47 AM SUN 19/12/10
Condamine R at Elbow Valley #	1.23m	steady	08:08 AM SUN 19/12/10
Condamine R at Murrays Br #	1.80m	falling	08:57 AM SUN 19/12/10
Condamine R @ Warwick(Scots Col.) *	1.21m	steady	09:19 AM SUN 19/12/10
Condamine R at Warwick #	1.74m	steady	08:34 AM SUN 19/12/10
Glengallan Ck near Backwater Ck #	0.80m	steady	08:51 AM SUN 19/12/10
Condamine R at Tummaville *	2.53m	falling	09:00 AM SUN 19/12/10
Condamine R at Centenary Br	5.37m	falling slowly	06:00 AM SUN 19/12/10
North Condamine R at Lone Pine *	3.23m	rising	09:00 AM SUN 19/12/10
Oakey Ck at Fairview *	2.56m	falling	09:00 AM SUN 19/12/10
Condamine R at Loudoun Br *	3.46m	rising	09:00 AM SUN 19/12/10
Myall Ck at Dalby #	1.24m	falling	10:00 AM SUN 19/12/10
Condamine R at Warra-Kogan Rd Br	6.25m	rising	06:00 PM SAT 18/12/10
Condamine R at Chinchilla Weir HW *	0.85m	rising	08:00 AM SUN 19/12/10
Charleys Ck at Chinchilla *	5.64m	steady	08:00 AM SUN 19/12/10
Condamine R at Cotswold *	6.93m	falling	08:10 AM SUN 19/12/10
Balonne R at Warkon	8.71m	falling slowly	09:00 AM SUN 19/12/10
Yuleba Ck at Yuleba Forestry *	2.41m	rising	08:20 AM SUN 19/12/10
Balonne R at Surat *	8.62m	rising	08:10 AM SUN 19/12/10
Bungil Ck at Roma	3.70m	rising slowly	07:00 AM SUN 19/12/10
Balonne R at Weribone *	9.12m	steady	08:00 AM SUN 19/12/10
Maranoa R at Old Cashmere *	3.62m	falling	08:10 AM SUN 19/12/10
Balonne R at St George *	6.53m	steady	08:00 AM SUN 19/12/10
Balonne R at Whyenbah	7.00m	steady	09:00 AM SUN 19/12/10
Culgoa R at Whyenbah *	5.98m	steady	08:00 AM SUN 19/12/10

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Narran R at Dirranbandi-Hebel Rd *  4.62m steady         03:00 PM SAT 18/12/10
Ballandool R at Hebel-Bollon Rd *   3.11m rising         08:00 AM SUN 19/12/10
Bokhara R at Hebel *                1.29m rising         08:00 AM SUN 19/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 6:43 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has led to fast rises throughout the Upper
Condamine catchment. At least minor flood levels are forecast for Dalby and
moderate flood levels are estimated for Chinchilla early this week. Minor to
moderate flooding continues along the Upper Condamine River at Centerary Bridge
and between Loudoun Bridge and Chinchilla Weir.

MAjor flood levels should be expected along the Maranoa river this week.

CONDAMINE RIVER TO COTSWOLD:
Minor flooding is occurring throughout the tributaries of the upper Condamine.
Rises should be expected at Warwick with minor flood levels possible overnight.
Further rises are likley while rainfall continues. Minor to moderate flooding is
occurring along the Condamine River between Centenary Bridge Cotswold. Moderate
flood levels are occurring at Ranges Bridge and Chinchilla Weir.

MYALL CREEK
Heavy rainfall during Sunday will result in renewed rises along Myall Creek and
North Myall Creek. Major flood levels are probable at Clydesdale early this
week. At Dalby, a level of at least 2.5 metres is forecast with higher levels
likely. Forecasts will be updated as upstream peaks are observed.

CHARLEYS CREEK
Creek levels are expected to rise this evening and overnight with moderate flood
levels possible at Chinchilla early this week. Further rises are likely while
rainfall continues.

MARANOA RIVER:
River level rises are causing minor flooding in the Maranoa River at Currawong.
Moderate flood levels are rising at Mitchell. Fast rises should be expected
downstream to Old Cashmere this week with major flood levels likely at
Springfield, Woodlands and Old Cashmere this week. Peak forecasts will be made
once upstream peaks have been observed.

BALONNE RIVER TO BEARDMORE DAM:
Moderate flood levels extend along the Balonne River between Warkon and
Weribone. Major flood levels are possible at Surat during the next 24 hours.
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River levels are expected to remain high along the Balonne River during this week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.

Weather Forecast:
Increasing rain periods, local thunder and moderate to heavy falls.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0.7m rising	05:46 PM SUN 19/12/10
Condamine R at Elbow Valley #	1.33m rising	05:47 PM SUN 19/12/10
Condamine R at Murrays Br #	2.05m rising	05:47 PM SUN 19/12/10
Condamine R @ Warwick(Scots Col.) *	1.23m steady	05:04 PM SUN 19/12/10
Condamine R at Warwick #	1.89m steady	05:34 PM SUN 19/12/10
Glengallan Ck near Backwater Ck #	3m rising	05:56 PM SUN 19/12/10
Condamine R at Tummaville *	3.28m rising	05:00 PM SUN 19/12/10
Condamine R at Centenary Br	5.15m steady	05:00 PM SUN 19/12/10
North Condamine R at Lone Pine *	3.94m rising	05:00 PM SUN 19/12/10
Oakey Ck at Fairview *	2.18m falling	05:00 PM SUN 19/12/10
Condamine R at Loudoun Br *	3.53m steady	05:00 PM SUN 19/12/10
Myall Ck at Dalby #	1.19m steady	03:04 PM SUN 19/12/10
Condamine R at Warra-Kogan Rd Br	6.45m rising	06:00 AM SUN 19/12/10
Condamine R at Chinchilla Weir HW *	0.95m rising	05:15 PM SUN 19/12/10
Charleys Ck at Chinchilla *	5.95m rising	05:40 PM SUN 19/12/10
Condamine R at Cotswold *	7.07m rising	05:20 PM SUN 19/12/10
Balonne R at Warkon	8.71m falling slowly	09:00 AM SUN 19/12/10
Yuleba Ck at Yuleba Forestry *	3.27m rising	05:40 PM SUN 19/12/10
Balonne R at Surat *	8.61m falling	05:00 PM SUN 19/12/10
Bungil Ck at Roma	3.7m steady	12:00 PM SUN 19/12/10
Balonne R at Weribone *	9.2m rising	05:00 PM SUN 19/12/10
Maranoa R at Old Cashmere *	3.36m falling	05:00 PM SUN 19/12/10
Balonne R at St George *	6.13m falling	05:40 PM SUN 19/12/10
Balonne R at Whyenbah	7m steady	09:00 AM SUN 19/12/10
Culgoa R at Whyenbah *	5.98m steady	04:00 PM SUN 19/12/10
Narran R at Dirranbandi-Hebel Rd *	4.6m steady	03:00 PM SUN 19/12/10
Ballandool R at Hebel-Bollon Rd *	3.14m steady	04:00 PM SUN 19/12/10
Bokhara R at Hebel *	1.32m rising	05:00 PM SUN 19/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:00 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has led to fast rises throughout the Upper Condamine catchment. Major flooding is occurring in mnay of the tributaries of the upper Condamine River. At least minor flood levels are forecast for Dalby and moderate flood levels are estimated for Chinchilla early this week. Minor to moderate flooding continues along the Upper Condamine River at Centerary Bridge and between Loudoun Bridge and Chinchilla Weir.

Major flood levels should be expected along the Maranoa river this week.

CONDAMINE RIVER TO COTSWOLD:
Major to moderate flooding is occurring in many of the tributaries of the upper Condamine River. Major flooding is occurring or should be expected overnight along Dalrymple Creek at Allora, Hodgson Creek at Felton and Kings Creek at Aides Bridge. Rises should be expected at Warwick but are not expected to reach minor flood levels. Minor to moderate flooding is occurring along the Condamine River between Centenary Bridge Cotswold. Moderate flood levels are occurring at Ranges Bridge and Chinchilla Weir. Further rises should be expected this week with some moderate to major flood levels likely.

MYALL CREEK
Heavy rainfall during Sunday will result in renewed rises along Myall Creek and North Myall Creek. Major flood levels are probable at Clydesdale early this week. At Dalby, a level of at least 2.5 metres is forecast with higher levels likely. Forecasts will be updated as upstream peaks are observed.

CHARLEYS CREEK
Creek levels are expected to rise this evening and overnight with moderate flood levels possible at Chinchilla early this week.

MARANOA RIVER:
River level rises are causing minor flooding in the Maranoa River at Currawong. Moderate flood levels are rising at Mitchell. Fast rises should be expected downstream to Old Cashmere this week with major flood levels likely at Springfield, Woodlands and Old Cashmere this week. Peak forecasts will be made once upstream peaks have been observed.

BALONNE RIVER TO BEARDMORE DAM:
Moderate flood levels extend along the Balonne River between Warkon and Weribone. Major flood levels are possible at Surat during the next 24 hours.

River levels are expected to remain high along the Balonne River during this week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.

Weather Forecast:
Increasing rain periods, local thunder and moderate to heavy falls.

Next Issue:

The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0.7m falling	08:38 PM SUN 19/12/10
Condamine R at Elbow Valley #	1.68m rising	08:31 PM SUN 19/12/10
Condamine R at Murrays Br #	2.55m rising	08:52 PM SUN 19/12/10
Condamine R @ Warwick(Scots Col.) *	1.37m rising	08:00 PM SUN 19/12/10
Condamine R at Warwick #	2.19m rising	08:54 PM SUN 19/12/10
Glengallan Ck near Backwater Ck #	4.25m rising	08:51 PM SUN 19/12/10
Condamine R at Tummaville *	3.71m rising	08:00 PM SUN 19/12/10
Condamine R at Centenary Br	5.15m steady	05:00 PM SUN 19/12/10
North Condamine R at Lone Pine *	4.12m rising	07:00 PM SUN 19/12/10
Oakey Ck at Fairview *	2.12m falling	08:00 PM SUN 19/12/10
Condamine R at Loudoun Br *	3.56m rising	08:00 PM SUN 19/12/10
Myall Ck at Dalby #	1.29m rising	08:46 PM SUN 19/12/10
Condamine R at Warra-Kogan Rd Br	6.45m rising	06:00 AM SUN 19/12/10
Condamine R at Chinchilla Weir HW *	0.99m steady	08:15 PM SUN 19/12/10
Charleys Ck at Chinchilla *	6.27m rising	08:40 PM SUN 19/12/10
Condamine R at Cotswold *	7.11m rising	08:30 PM SUN 19/12/10
Balonne R at Warkon	8.71m falling slowly	09:00 AM SUN 19/12/10
Yuleba Ck at Yuleba Forestry *	3.77m rising	08:40 PM SUN 19/12/10
Balonne R at Surat *	8.6m falling	08:10 PM SUN 19/12/10
Bungil Ck at Roma	3.7m steady	12:00 PM SUN 19/12/10
Balonne R at Weribone *	9.23m rising	08:20 PM SUN 19/12/10
Maranoa R at Old Cashmere *	3.28m falling	08:40 PM SUN 19/12/10
Balonne R at St George *	5.92m falling	08:30 PM SUN 19/12/10
Balonne R at Whyenbah	7m steady	09:00 AM SUN 19/12/10
Culgoa R at Whyenbah *	5.96m falling	08:00 PM SUN 19/12/10
Narran R at Dirranbandi-Hebel Rd *	4.6m steady	03:00 PM SUN 19/12/10
Ballandool R at Hebel-Bollon Rd *	3.15m steady	08:00 PM SUN 19/12/10
Bokhara R at Hebel *	1.33m rising	08:20 PM SUN 19/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:01 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has led to fast rises throughout the Upper Condamine catchment. Major flooding is occurring in mnay of the tributaries of the upper Condamine River. At least moderate flood levels are forecast for Dalby and moderate flood levels are estimated for Chinchilla early this week. Minor to moderate flooding continues along the Upper Condamine River at Centerary Bridge and between Loudoun Bridge and Chinchilla Weir.

Major flood levels should be expected along the Maranoa river this week.

CONDAMINE RIVER TO COTSWOLD:
Major to moderate flooding is occurring in many of the tributaries of the upper Condamine River. Major flooding is occurring or should be expected overnight along Dalrymple Creek at Allora, Hodgson Creek at Felton and Kings Creek at Aides Bridge. Rises should be expected at Warwick but are not expected to reach minor flood levels. Minor to moderate flooding is occurring along the Condamine River between Centenary Bridge Cotswold. Moderate flood levels are occurring at Ranges Bridge and Chinchilla Weir. Further rises should be expected this week with some moderate to major flood levels likely.

MYALL CREEK
Heavy rainfall during Sunday has resulted in renewed rises along Myall Creek and North Myall Creek. Record major flood levels are occurring at Clydesdale. At Dalby, a level of at least 3.2 metres is forecast with higher levels likely. Major flood levels are possible. Forecasts will be updated as upstream peaks are observed.

CHARLEYS CREEK
Creek levels are expected to rise this evening and overnight with moderate flood levels possible at Chinchilla early this week.

MARANOA RIVER:
River level rises are causing minor flooding in the Maranoa River at Currawong. Moderate flood levels are rising at Mitchell. Fast rises should be expected downstream to Old Cashmere this week with major flood levels likely at Springfield, Woodlands and Old Cashmere this week. Peak forecasts will be made once upstream peaks have been observed.

BALONNE RIVER TO BEARDMORE DAM:
Moderate flood levels extend along the Balonne River between Warkon and Weribone. Major flood levels are possible at Surat during the next 24 hours.

River levels are expected to remain high along the Balonne River during this week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0m falling	08:25 AM MON 20/12/10
Condamine R at Elbow Valley #	2.83m rising	08:15 AM MON 20/12/10
Condamine R at Murrays Br #	4.45m steady	08:43 AM MON 20/12/10
Condamine R @ Warwick(Scots Col.) *	2.32m rising	08:00 AM MON 20/12/10
Condamine R at Warwick #	4.09m steady	08:34 AM MON 20/12/10
Glengallan Ck near Backwater Ck #	2.75m steady	08:51 AM MON 20/12/10
Condamine R at Tummaville *	4.39m rising	03:00 AM MON 20/12/10
Condamine R at Centenary Br	6.2m rising	06:00 AM MON 20/12/10
North Condamine R at Lone Pine *	4.48m rising	07:00 AM MON 20/12/10
Oakey Ck at Fairview *	3.2m rising	08:00 AM MON 20/12/10
Condamine R at Loudoun Br *	4.02m rising	08:00 AM MON 20/12/10
Myall Ck at Dalby #	2.49m rising	08:51 AM MON 20/12/10
Condamine R at Chinchilla Weir HW *	1.18m steady	08:00 AM MON 20/12/10
Charleys Ck at Chinchilla *	6.86m steady	08:10 AM MON 20/12/10

Condamine R at Condamine	4.8m at peak	09:00 AM MON 20/12/10
Condamine R at Cotswold *	7.27m rising	08:10 AM MON 20/12/10
Balonne R at Warkon	8.47m falling slowly	06:00 AM MON 20/12/10
Yuleba Ck at Yuleba Forestry *	5.11m rising	08:20 AM MON 20/12/10
Balonne R at Surat *	8.5m rising	08:10 AM MON 20/12/10
Bungil Ck at Roma	5.45m rising slowly	06:00 AM MON 20/12/10
Balonne R at Weribone *	9.26m falling	08:20 AM MON 20/12/10
Maranoa R at Old Cashmere *	3.07m steady	08:00 AM MON 20/12/10
Balonne R at St George *	5.57m falling	08:20 AM MON 20/12/10
Balonne R at Whyenbah	7m steady	09:00 AM SUN 19/12/10
Culgoa R at Whyenbah *	5.88m falling	08:20 AM MON 20/12/10
Narran R at Dirranbandi-Hebel Rd *	4.6m steady	08:00 AM MON 20/12/10
Ballandool R at Hebel-Bollon Rd *	3.17m steady	08:00 AM MON 20/12/10
Bokhara R at Hebel *	1.36m steady	08:00 AM MON 20/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 12:03 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has led to fast rises throughout the Upper
Condamine catchment. At least moderate flood levels are forecast for Dalby later
today. Moderate to major flood levels are forecast along the Condamine River
during this week.

CONDAMINE RIVER TO COTSWOLD:
Minor flood is occurring in creeks and tributaries upstream of Warwick. Levels
at Warick will peak below minor flood levels. Minor to moderate flooding is
occurring along the Condamine River between Centenary Bridge Cotswold. Some
major flood levels are likely this week.

MYALL CREEK
Heavy rainfall during Sunday has resulted in renewed rises along Myall Creek and
North Myall Creek. Record major flood levels are occurring at Clydesdale. At
Dalby, a level of at least 3.2 metres is forecast with higher levels likely.
Major flood levels are possible. Forecasts will be updated as upstream peaks are
observed.

CHARLEYS CREEK
Creek levels are expected to rise this evening and overnight with moderate flood
levels possible at Chinchilla early this week.

MARANOA RIVER:

River levels are now falling at Mitchell with minor flooding. Fast rises should be expected downstream to Old Cashmere this week with major flood levels foreacst at Springfield. Moderate flood levels are forecast at Woodlands and Old Cashmere this week.

BALONNE RIVER TO BEARDMORE DAM:
Moderate flood levels extend along the Balonne River between Warkon and Weribone. Major flood levels are possible at Surat this week.

River levels are expected to remain high along the Balonne River during this week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.

Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:

Condamine R at Killarney #	0m steady	09:47 AM MON 20/12/10
Condamine R at Elbow Valley #	2.83m rising	08:15 AM MON 20/12/10
Condamine R at Murrays Br #	4.3m falling	10:20 AM MON 20/12/10
Condamine R @ Warwick(Scots Col.) *	2.32m rising	08:00 AM MON 20/12/10
Condamine R at Warwick #	4.19m rising	10:15 AM MON 20/12/10
Glengallan Ck near Backwater Ck #	2.45m falling	10:37 AM MON 20/12/10
Condamine R at Tummaville *	4.39m rising	03:00 AM MON 20/12/10
Condamine R at Centenary Br	6.4m rising	09:00 AM MON 20/12/10
North Condamine R at Lone Pine *	4.49m rising	08:00 AM MON 20/12/10
Oakey Ck at Fairview *	3.4m rising	09:30 AM MON 20/12/10
Condamine R at Loudoun Br *	4.08m rising	09:00 AM MON 20/12/10
Myall Ck at Dalby #	2.74m rising	10:32 AM MON 20/12/10
Condamine R at Chinchilla Weir HW *	1.18m steady	08:00 AM MON 20/12/10
Charleys Ck at Chinchilla *	6.86m steady	08:10 AM MON 20/12/10
Condamine R at Condamine	4.8m at peak	09:00 AM MON 20/12/10
Condamine R at Cotswold *	7.27m rising	08:10 AM MON 20/12/10
Balonne R at Warkon	8.45m falling slowly	09:00 AM MON 20/12/10
Yuleba Ck at Yuleba Forestry *	5.11m rising	08:20 AM MON 20/12/10
Balonne R at Surat *	8.5m rising	08:10 AM MON 20/12/10
Bungil Ck at Roma	5.55m rising slowly	09:30 AM MON 20/12/10
Balonne R at Weribone *	9.26m falling	08:20 AM MON 20/12/10
Maranoa R at Old Cashmere *	3.07m steady	08:00 AM MON 20/12/10
Balonne R at St George *	5.57m falling	08:20 AM MON 20/12/10
Balonne R at Whyenbah	6.85m falling slowly	09:00 AM MON 20/12/10
Culgoa R at Whyenbah *	5.88m falling	08:20 AM MON 20/12/10
Narran R at Dirranbandi-Hebel Rd *	4.6m steady	08:00 AM MON 20/12/10
Ballandool R at Hebel-Bollon Rd *	3.17m steady	08:00 AM MON 20/12/10
Bokhara R at Hebel *	1.36m steady	08:00 AM MON 20/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 4:22 PM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during Sunday has led to fast rises throughout the Upper Condamine catchment. Moderate to major flood levels are forecast along the Condamine River during this week.

CONDAMINE RIVER TO COTSWOLD:
Minor flood is occurring in creeks and tributaries upstream of Warwick. Levels at Warick have peaked below minor flood levels. Minor to moderate flooding is occurring along the Condamine River between Centenary Bridge Cotswold. Some major flood levels are likely this week.

MYALL CREEK
At Dalby, levels are expected to remain high this evening around 3 metres and will continue to be monitored closely. Moderate flood levels are falling at Clydesdale.

CHARLEYS CREEK
FAst rises have been observed at Seven Oaks today. Creek levels are expected to rise this evening with moderate flood levels possible at Chinchilla early this week.

DOGWOOD CREEK
Minor flood levels are rising fast at Gilweir with a moderate flood peak forecast at Pinehill in the next 24 hours of around 7 metres.

MARANOA RIVER
River levels are now falling at Mitchell with minor flooding. Fast rises are occurring downstream to Old Cashmere this week with moderate flood levels forecast at Woodlands of around 6.6 metres and a moderate flood peak at Old Cashmere.

BALONNE RIVER TO BEARDMORE DAM:
Moderate flood levels extend along the Balonne River between Warkon and Weribone. Major flood levels are possible at Surat this week.

River levels are expected to remain high along the Balonne River during this week as floodwaters from the Condamine River and local tributaries arrive.

LOWER BALONNE RIVER SYSTEM:
Major flood levels are easing at St George, with further rises expected to at least 10 metres during this week.

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0m steady	03:47 PM MON 20/12/10
Condamine R at Elbow Valley #	2.68m falling	03:47 PM MON 20/12/10

Condamine R at Murrays Br #	4.05m	steady	02:43 PM MON 20/12/10
Condamine R @ Warwick(Scots Col.) *	2.21m	falling	02:00 PM MON 20/12/10
Condamine R at Warwick #	3.94m	falling	03:40 PM MON 20/12/10
Glengallan Ck near Backwater Ck #	1.8m	falling	03:37 PM MON 20/12/10
Condamine R at Tummaville *	7.74m	rising	02:00 PM MON 20/12/10
Condamine R at Centenary Br	6.6m	rising	03:00 PM MON 20/12/10
North Condamine R at Lone Pine *	4.39m	falling	02:00 PM MON 20/12/10
Oakey Ck at Fairview *	3.9m	rising	02:00 PM MON 20/12/10
Condamine R at Loudoun Br *	4.48m	rising	02:00 PM MON 20/12/10
Myall Ck at Dalby #	2.94m	steady	03:04 PM MON 20/12/10
Condamine R at Chinchilla Weir HW *	1.18m	steady	08:00 AM MON 20/12/10
Charleys Ck at Chinchilla *	6.61m	falling	02:40 PM MON 20/12/10
Condamine R at Condamine	4.8m	at peak	09:00 AM MON 20/12/10
Condamine R at Cotswold *	7.37m	falling	02:20 PM MON 20/12/10
Balonne R at Warkon	8.45m	falling slowly	09:00 AM MON 20/12/10
Yuleba Ck at Yuleba Forestry *	5.68m	rising	02:40 PM MON 20/12/10
Balonne R at Surat *	8.43m	rising	02:30 PM MON 20/12/10
Bungil Ck at Roma	5.55m	rising slowly	09:30 AM MON 20/12/10
Balonne R at Weribone *	9.28m	steady	02:00 PM MON 20/12/10
Maranoa R at Old Cashmere *	2.96m	falling	02:30 PM MON 20/12/10
Balonne R at St George *	5.55m	steady	02:00 PM MON 20/12/10
Balonne R at Whyenbah	6.85m	falling slowly	09:00 AM MON 20/12/10
Culgoa R at Whyenbah *	5.8m	falling	02:40 PM MON 20/12/10
Narran R at Dirranbandi-Hebel Rd *	4.6m	steady	03:00 PM MON 20/12/10
Ballandool R at Hebel-Bollon Rd *	3.17m	steady	12:50 PM MON 20/12/10
Bokhara R at Hebel *	1.37m	steady	12:00 PM MON 20/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 12:03 PM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River. Fast rises
will occur along Charleys Creek at Chinchilla today. Some major flood levels are
expected along the Balonne River later next week. Flood levels at Dalby are now
at minor levels.

CONDAMINE RIVER: TUMMAVILLE TO COTSWOLD:
Minor flooding is falling along the North Condamine at Lone Pine and at
Tummaville along the Condamine River. Moderate flood levevls at=re approaching a
peak at Centenary Bridge of just under 7 metres. River levels continue to rise
at Loudoun Bridge with major flood levels continuing or expected to Chinchilla
area through today. A major flood peak is expected at Condamine of at least 9 to

10 metres during the weekend and major flooding is also foreacst for Cotswold of between 12 and 13 metres on Sunady into Monday.

CHARLEYS CREEK
Fast rises are continuing at Beruna and Seven Oaks although peaks are expected today of around 7 metres at Beruna and just over 6 metres at Seven Oaks. Creek levels are expected to continue rising at Chinchilla with a peak just over 6 metres estimated during the next 36 hours.

DOGWOOD CREEK
Minor flood levels are falling at Gilweir with a moderate flood peak of just below 8 metres forecast at Pinehill late today.

BALONNE RIVER : COTSWOLD TO SURAT
Major flood levels are forecast at Warkon and Surat through the weekend and continuing next week. River levels of at least 10 metres are expected at Surat.

MARANOA RIVER
A moderate flood peak is forecast for Woodlands today of about 6.8 metres. Flood levels of about 6 metres are predicted for Old Cashmere during Wednesday.

BALONNE RIVER: SURAT TO ST GEORGE:
Moderate flood levels continue to rise at Garrabarra along Bungil Creek.
Major flood levels of at least 10.5 metres are forecast for Weribone during next week. Rises are expected over the new year period at St George. Further predictions will be made as peaks are observed upstream.

LOWER BALONNE RIVER SYSTEM:

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week. Further rises will occur early in the new year.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Condamine R at Killarney #	0m steady	09:47 AM TUE 21/12/10
Condamine R at Elbow Valley #	1.48m falling	11:08 AM TUE 21/12/10
Condamine R at Murrays Br #	2.75m falling	11:52 AM TUE 21/12/10
Condamine R @ Warwick(Scots Col.) *	1.63m falling	11:00 AM TUE 21/12/10
Condamine R at Warwick #	2.89m steady	11:34 AM TUE 21/12/10
Glengallan Ck near Backwater Ck #	1.05m steady	11:51 AM TUE 21/12/10
Condamine R at Tummaville *	7.27m falling	11:00 AM TUE 21/12/10
Condamine R at Centenary Br	6.9m rising slowly	11:00 AM TUE 21/12/10
North Condamine R at Lone Pine *	3.88m falling	11:00 AM TUE 21/12/10
Oakey Ck at Fairview *	5.09m falling	11:00 AM TUE 21/12/10
Condamine R at Loudoun Br *	5.72m steady	11:00 AM TUE 21/12/10
Myall Ck at Dalby #	1.99m falling	11:58 AM TUE 21/12/10
Condamine R at Warra-Kogan Rd Br	9.28m rising	09:00 AM TUE 21/12/10
Charleys Ck at Chinchilla *	6.64m rising	11:40 AM TUE 21/12/10
Condamine R at Condamine	6m rising slowly	09:00 AM TUE 21/12/10
Condamine R at Cotswold *	8.03m rising	11:10 AM TUE 21/12/10
Balonne R at Warkon	8.88m rising slowly	09:00 AM TUE 21/12/10
Yuleba Ck at Yuleba Forestry *	6.57m rising	11:40 AM TUE 21/12/10
Balonne R at Surat *	8.32m steady	11:40 AM TUE 21/12/10
Bungil Ck at Roma	5.55m rising slowly	07:00 AM TUE 21/12/10
Balonne R at Weribone *	9.39m rising	11:40 AM TUE 21/12/10
Maranoa R at Old Cashmere *	3.04m rising	11:30 AM TUE 21/12/10
Balonne R at St George *	5.9m rising	11:00 AM TUE 21/12/10
Balonne R at Whyenbah	6.35m falling slowly	09:00 AM TUE 21/12/10
Culgoa R at Whyenbah *	5.47m falling	11:20 AM TUE 21/12/10

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Narran R at Dirranbandi-Hebel Rd *  4.62m steady         11:00 AM TUE 21/12/10
Ballandool R at Hebel-Bollon Rd *   3.18m steady         08:00 AM TUE 21/12/10
Bokhara R at Hebel *                1.39m steady         08:00 AM TUE 21/12/10

*automatic station


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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:27 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River. Rises will
continue along Charleys Creek at Chinchilla today. Some major flood levels are
expected along the Balonne River later next week.


CONDAMINE RIVER: TUMMAVILLE TO COTSWOLD:
Minor to moderate flood levels are expected to continue easing between
Tummaville and Loudoun Bridge. Major flood levels continue at Brigalow and
Chinchilla Weir with further rises likely at Chinchilla Weir. A major flood peak
is expected at Condamine of around 9 to 10 metres during the weekend and major
flooding is also foreacst for Cotswold of between 12 and 13 metres on Sunday
into Monday.

CHARLEYS CREEK
River levels are approaching a peak at Beruna and Seven Oaks. Creek levels are
expected to continue rising at Chinchilla with a peak just over 6 metres
estimated overnight tonight.

DOGWOOD CREEK
Flood levels at Pinehill are approaching an expected peak of around 8 metres
this morning.

BALONNE RIVER : COTSWOLD TO SURAT
Major flood levels are forecast at Warkon and Surat through the weekend and
continuing next week. River levels of at least 10 metres are expected at Surat.

MARANOA RIVER
A moderate flood peak was observed at Woodlands of about 6.6 metres. Flood
levels of about 6 metres are predicted for Old Cashmere during today.

BALONNE RIVER: SURAT TO ST GEORGE:
Moderate flood levels continue to rise at Garrabarra along Bungil Creek.
At Waroo, the river level this morning was 7.8 metres, 1 metre under the bridge.
Major flood levels of at least 10.5 metres are forecast for Weribone during next
week. Rises are expected over the new year period at St George. Further
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predictions will be made as peaks are observed upstream.

LOWER BALONNE RIVER SYSTEM:

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week. Further rises will occur early in the new year.

Next Issue:
The next warning will be issued at about 5pm Wednesday.

Latest River Heights:

Condamine R at Killarney #	0m steady	06:47 AM WED 22/12/10
Condamine R at Elbow Valley #	1.23m steady	08:08 AM WED 22/12/10
Condamine R at Murrays Br #	2m falling	08:58 AM WED 22/12/10
Condamine R @ Warwick(Scots Col.) *	1.29m steady	07:00 AM WED 22/12/10
Condamine R at Warwick #	1.94m steady	08:34 AM WED 22/12/10
Glengallan Ck near Backwater Ck #	0.8m steady	08:51 AM WED 22/12/10
Condamine R at Tummaville *	5.66m falling	08:00 AM WED 22/12/10
Condamine R at Centenary Br	6.7m falling slowly	09:00 AM WED 22/12/10
North Condamine R at Lone Pine *	3.52m falling	08:00 AM WED 22/12/10
Oakey Ck at Fairview *	3.52m falling	07:00 AM WED 22/12/10
Condamine R at Loudoun Br *	5.5m falling	08:00 AM WED 22/12/10
Myall Ck at Dalby #	0.84m steady	09:04 AM WED 22/12/10
Condamine R at Warra-Kogan Rd Br	9.8m rising	06:00 AM WED 22/12/10
Charleys Ck at Chinchilla *	6.97m steady	08:20 AM WED 22/12/10
Condamine R at Condamine	6.6m rising slowly	09:00 AM WED 22/12/10
Condamine R at Cotswold *	8.64m steady	08:00 AM WED 22/12/10
Yuleba Ck at Yuleba Forestry *	7.26m steady	08:20 AM WED 22/12/10
Balonne R at Surat *	8.64m rising	08:20 AM WED 22/12/10
Bungil Ck at Roma	3.4m falling	09:00 AM WED 22/12/10
Balonne R at Weribone *	9.68m steady	08:00 AM WED 22/12/10
Maranoa R at Old Cashmere *	4.6m rising	08:20 AM WED 22/12/10
Balonne R at St George *	5.92m steady	08:20 AM WED 22/12/10
Culgoa R at Whyenbah *	5.45m steady	08:00 AM WED 22/12/10
Narran R at Dirranbandi-Hebel Rd *	4.65m steady	08:00 AM WED 22/12/10
Ballandool R at Hebel-Bollon Rd *	3.13m falling	08:00 AM WED 22/12/10
Bokhara R at Hebel *	1.36m steady	08:00 AM WED 22/12/10

*automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 5:01 PM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River. Rises will continue along Charleys Creek at Chinchilla during this evening with a peak expected overnight. Some major flood levels are expected along the Balonne River later next week.

CONDAMINE RIVER: TUMMAVILLE TO COTSWOLD:
Minor to moderate flood levels are expected to continue easing between Tummaville and Loudoun Bridge. Major flood levels continue between Ranges Bridge and Chinchilla Weir with further rises likely at Chinchilla Weir. A major flood peak is expected at Condamine of around 9 to 10 metres during the weekend and major flooding is also forecast for Cotswold of between 12 and 13 metres on Sunday into Monday.

CHARLEYS CREEK:
River levels are have peaked at Beruna with some further small rises occurring in the Seven Oaks area. Creek levels are expected to continue rising at Chinchilla with a peak just over 6 metres estimated overnight tonight.

DOGWOOD CREEK:
Flood levels at Pine Hill Crossing are currently peaking at around 8 metres. Levels are expected to begin easing overnight.

BALONNE RIVER: COTSWOLD TO SURAT
Major flood levels are forecast at Warkon and Surat through the weekend and into next week. River levels of at least 10 metres are expected at Surat.

MARANOA RIVER:
A moderate flood peak was observed at Woodlands of about 6.6 metres. Flood levels of about 6 metres are predicted for Old Cashmere later this week.

BALONNE RIVER: SURAT TO ST GEORGE:
Moderate flood levels continue to rise at Garrabarra along Bungil Creek.
At Waroo, river levels continue to rise with major flood levels of at least 10.5 metres are forecast for Weribone during next week. Rises are expected over the new year period at St George. Further predictions will be made as peaks are observed upstream.

LOWER BALONNE RIVER SYSTEM:

Moderate to major flood levels are occurring downstream from St George, with stream levels to remain high during this week. Further rises will occur early in the new year.

Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Condamine R at Killarney #	0.00m	steady	03:47 PM WED 22/12/10
Condamine R at Elbow Valley #	1.18m	falling	03:11 PM WED 22/12/10
Condamine R at Murrays Br #	1.90m	falling	03:28 PM WED 22/12/10
Condamine R @ Warwick(Scots Col.) *	1.25m	steady	02:00 PM WED 22/12/10
Condamine R at Warwick #	1.84m	steady	02:34 PM WED 22/12/10
Glengallan Ck near Backwater Ck #	0.75m	steady	02:51 PM WED 22/12/10
Condamine R at Tummaville *	5.19m	falling	02:00 PM WED 22/12/10
Condamine R at Centenary Br	6.65m	falling slowly	09:00 AM WED 22/12/10
North Condamine R at Lone Pine *	3.38m	falling	02:00 PM WED 22/12/10
Oakey Ck at Fairview *	3.13m	falling	02:00 PM WED 22/12/10
Condamine R at Loudoun Br *	5.41m	falling	02:00 PM WED 22/12/10
Myall Ck at Dalby #	0.74m	steady	03:04 PM WED 22/12/10
Condamine R at Warra-Kogan Rd Br	10.00m	rising	09:00 AM WED 22/12/10
Charleys Ck at Chinchilla	4.95m	rising	16:50 PM WED 22/12/10

Condamine R at Condamine	6.60m rising slowly	09:00 AM WED 22/12/10
Condamine R at Cotswold *	8.82m rising	02:10 PM WED 22/12/10
Yuleba Ck at Yuleba Forestry *	7.29m falling	02:20 PM WED 22/12/10
Balonne R at Surat *	8.74m steady	02:00 PM WED 22/12/10
Bungil Ck at Roma	3.40m falling	09:00 AM WED 22/12/10
Balonne R at Weribone *	9.67m steady	02:00 PM WED 22/12/10
Maranoa R at Old Cashmere *	4.88m rising	03:00 PM WED 22/12/10
Balonne R at St George *	5.94m rising	02:40 PM WED 22/12/10
Culgoa R at Whyenbah *	5.45m steady	12:00 PM WED 22/12/10
Narran R at Dirranbandi-Hebel Rd *	4.66m steady	03:00 PM WED 22/12/10
Ballandool R at Hebel-Bollon Rd *	3.11m falling	02:40 PM WED 22/12/10
Bokhara R at Hebel *	1.34m falling	02:40 PM WED 22/12/10

*,# from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 11:02 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises are expected along Charleys Creek following further overnight heavy rainfall. Minor to major flooding continues to rise along the Condamine River, with moderate flood levels nearing a peak on Charleys Creek at Chinchilla during today. Moderate to major flooding continues along the Balonne River during this week and into next week.

CONDAMINE RIVER - TUMMAVILLE TO COTSWOLD:
Minor to moderate flood levels are expected to continue easing between Tummaville and Loudoun Bridge. Major flooding continues between Ranges Bridge and Chinchilla Weir with further slow rises occurring at Chinchilla Weir. A major flood peak of around 9 to 10 metres is expected at Condamine during the weekend, with major flooding also forecast for Cotswold of between 12 and 13 metres early next week.

CHARLEYS CREEK:
Moderate flooding is easing at Beruna with creek levels remaining steady in the Seven Oaks area. Moderate flood levels are rising slowly at Chinchilla with levels nearing a peak during Thursday. Further heavy rainfall recorded overnight across the upper Charleys Creek catchment will result in fast rises and higher levels during the next few days.

DOGWOOD CREEK:
Moderate flooding is easing at Pine Hill Crossing.

BALONNE RIVER - COTSWOLD TO SURAT:
Major flooding continues to rise slowly at Warkon. Moderate flood levels at

Surat are expected to continue to rise through the weekend with major flood levels of at least 10 metres expected next week. Moderate flooding is easing along Yuleba Creek.

MARANOA RIVER:
Moderate flooding is easing at Woodlands. Minor flood levels continue to rise downstream at Old Cashmere where moderate flood levels are expected to reach about 6.6 metres during Friday.

BALONNE RIVER - SURAT TO ST GEORGE:
Minor flooding is easing along Bungil Creek at Garrabarra. Moderate flooding continues to rise on the Balonne River at Weribone, with further rises expected reach at least 10.5 metres during next week. River rises continue downstream at Waroo, with high river levels and major flooding expected to continue at St George for the next few weeks. Further predictions will be made as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Minor to moderate flooding continues downstream from St George, with further rises and moderate to major flooding expected during the next few weeks.

Weather Forecast:
Cloudy with patchy rain areas tending to showers with isolated thunderstorms in the afternoon.

Next Issue:
The next warning will be issued at about 4pm Thursday.

Latest River Heights:

Condamine R at Killarney #	0m steady	09:47 AM THU 23/12/10
Condamine R at Elbow Valley #	1.13m steady	08:08 AM THU 23/12/10
Condamine R at Murrays Br #	1.9m rising	10:01 AM THU 23/12/10
Condamine R @ Warwick(Scots Col.) *	1.2m steady	08:24 AM THU 23/12/10
Condamine R at Warwick #	1.94m rising	10:04 AM THU 23/12/10
Glengallan Ck near Backwater Ck #	1.5m rising	10:07 AM THU 23/12/10
Condamine R at Tummaville *	3.64m falling	08:00 AM THU 23/12/10
Condamine R at Centenary Br	6.4m falling slowly	05:00 AM THU 23/12/10
North Condamine R at Lone Pine *	2.95m falling	08:00 AM THU 23/12/10
Oakey Ck at Fairview *	2.2m falling	08:00 AM THU 23/12/10
Condamine R at Loudoun Br *	5.18m falling	08:00 AM THU 23/12/10
Myall Ck at Dalby #	0.64m steady	09:04 AM THU 23/12/10
Condamine R at Warra-Kogan Rd Br	10.48m falling slowly	09:00 AM THU 23/12/10
Charleys Ck at Chinchilla	5.15m rising	08:00 AM THU 23/12/10
Condamine R at Condamine	NA	
Condamine R at Cotswold *	9.32m falling	08:10 AM THU 23/12/10
Balonne R at Warkon	9.99m rising slowly	09:00 AM THU 23/12/10
Yuleba Ck at Yuleba Forestry *	7m falling	02:40 AM THU 23/12/10
Balonne R at Surat *	8.88m falling	08:10 AM THU 23/12/10
Bungil Ck at Roma	3.65m steady	07:00 AM THU 23/12/10
Balonne R at Weribone *	9.79m steady	08:20 AM THU 23/12/10
Maranoa R at Old Cashmere *	5.48m rising	08:30 AM THU 23/12/10
Balonne R at St George *	7m rising	08:00 AM THU 23/12/10
Balonne R at Whyenbah	6.4m rising slowly	09:00 AM THU 23/12/10
Culgoa R at Whyenbah *	5.5m rising	08:00 AM THU 23/12/10
Narran R at Dirranbandi-Hebel Rd *	4.67m steady	08:00 AM THU 23/12/10
Ballandool R at Hebel-Bollon Rd *	3.07m steady	08:00 AM THU 23/12/10
Bokhara R at Hebel *	1.29m steady	08:00 AM THU 23/12/10

*,# denotes automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 4:29 PM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River, with moderate flood levels nearing a peak on Charleys Creek at Chinchilla during today. Moderate to major flooding continues along the Balonne River during this week and into next week. The peak is currently in the Brigalow area.

CONDAMINE RIVER - WARWICK TO COTSWOLD:
Moderate flood levels are occurring once again in Dalrymple and Glengallan Creeks dowsntream of Warwick. Minor to moderate flood levels are expected to continue easing between Tummaville and Loudoun Bridge. Major flooding continues between Ranges Bridge and Chinchilla Weir with further rises occurring at Chinchilla Weir. The peak is currently in the Brigalow area. A major flood peak of around 9 to 10 metres is expected at Condamine during the weekend, with major flooding also forecast for Cotswold of between 12 and 13 metres early next week.

CHARLEYS CREEK:
Moderate flooding is easing at Beruna. Moderate flood levels are rising slowly at Chinchilla with levels expected to peak overnight. At 4pm, the level at Chinchilla was 5.28 metres and rising slowly. Further heavy falls were recorded in the catchment although this is unlikely to affect the peak at Chinchilla.

DOGWOOD CREEK:
Moderate flooding is easing at Pine Hill Crossing.

BALONNE RIVER - COTSWOLD TO SURAT:
Major flooding continues to rise at Warkon. Moderate flood levels at Surat are expected to rise through the weekend with major flood levels of at least 10 metres expected next week. Moderate flooding is easing along Yuleba Creek.

MARANOA RIVER:
Moderate flooding is easing at Woodlands. Minor flood levels continue to rise downstream at Old Cashmere where moderate flood levels are expected to reach about 6.6 metres during Friday.

BALONNE RIVER - SURAT TO ST GEORGE:
Minor flooding is easing along Bungil Creek at Garrabarra. Moderate flooding continues to rise on the Balonne River at Weribone, with further rises expected reach at least 10.5 metres during next week. River rises continue downstream at Waroo, with high river levels and major flooding expected to continue at St George late next week. Further predictions will be made as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:

Minor to moderate flooding continues downstream from St George, with further rises and moderate to major flooding expected during the next few weeks.

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:

Condamine R at Killarney #	1.35m falling	04:08 PM THU 23/12/10
Condamine R at Elbow Valley #	1.38m rising	04:11 PM THU 23/12/10
Condamine R at Murrays Br #	2.55m rising	04:08 PM THU 23/12/10
Condamine R @ Warwick(Scots Col.) *	1.44m rising	02:00 PM THU 23/12/10
Condamine R at Warwick #	2.59m rising	03:58 PM THU 23/12/10
Glengallan Ck near Backwater Ck #	4.4m rising	04:06 PM THU 23/12/10
Condamine R at Tummaville *	3.14m falling	02:00 PM THU 23/12/10
Condamine R at Centenary Br	6.2m falling slowly	01:00 PM THU 23/12/10
North Condamine R at Lone Pine *	2.81m falling	02:00 PM THU 23/12/10
Oakey Ck at Fairview *	1.96m falling	02:00 PM THU 23/12/10
Condamine R at Loudoun Br *	5.16m steady	02:00 PM THU 23/12/10
Myall Ck at Dalby #	0.59m steady	03:04 PM THU 23/12/10
Condamine R at Warra-Kogan Rd Br	10.48m falling slowly	09:00 AM THU 23/12/10
Condamine R at Cotswold *	9.49m rising	02:10 PM THU 23/12/10
Balonne R at Warkon	9.99m rising slowly	09:00 AM THU 23/12/10
Yuleba Ck at Yuleba Forestry *	5.52m falling	02:40 PM THU 23/12/10
Balonne R at Surat *	8.9m rising	02:50 PM THU 23/12/10
Bungil Ck at Roma	3.65m steady	07:00 AM THU 23/12/10
Balonne R at Weribone *	9.86m rising	02:10 PM THU 23/12/10
Maranoa R at Old Cashmere *	5.65m rising	02:40 PM THU 23/12/10
Balonne R at St George *	7.2m rising	02:40 PM THU 23/12/10
Balonne R at Whyenbah	6.4m rising slowly	09:00 AM THU 23/12/10
Culgoa R at Whyenbah *	5.58m rising	03:00 PM THU 23/12/10
Narran R at Dirranbandi-Hebel Rd *	4.67m steady	03:00 PM THU 23/12/10
Ballandool R at Hebel-Bollon Rd *	3.06m steady	12:00 PM THU 23/12/10
Bokhara R at Hebel *	1.28m steady	12:00 PM THU 23/12/10

*automatic station

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:09 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River with the flood peak in the Chinchilla Weir area, and moderate flooding also nearing a peak on Charleys Creek at Chinchilla during today. Moderate to major flooding continues along the Balonne River during this week and into next week.

CONDAMINE RIVER - WARWICK TO COTSWOLD:
Further scattered rainfall across the upper Condamine catchment during Thursday has caused some small rises and minor flooding upstream of Warwick during Friday morning. Creek levels in Myall Creek at Clydesdale have peaked, with levels to remain below minor downstream at Dalby during Friday.

Minor to moderate flooding continues between Tummaville and Loudoun Bridge. Major flooding continues between Ranges Bridge and Condamine township, with the flood peak currently in the Chinchilla Weir area. A major flood peak of around 9 to 10 metres is expected at Condamine later this weekend, with major flooding also forecast for Cotswold of between 12 and 13 metres early next week.

CHARLEYS CREEK:
Moderate flood levels are easing at Beruna and Burncluith, with moderate flood levels slowly approaching a peak at Chinchilla. At 5.30am Friday, the level at Chinchilla was 5.33 metres and rising slowly.

DOGWOOD CREEK:
Moderate flooding continues to ease at Pine Hill Crossing.

BALONNE RIVER - COTSWOLD TO SURAT:
Major flooding continues to rise at Warkon, whilst moderate flood levels are rising at Surat, with higher levels and major flooding of at least 10 metres expected next week.

MARANOA RIVER:
Moderate flooding continues to rise at Old Cashmere where moderate flood levels are expected to reach near 6.5 metres within the next 36 hours.

BALONNE RIVER - SURAT TO ST GEORGE:
Major flooding continues to rise on the Balonne River at Weribone, with further rises expected reach at least 10.5 metres during next week. River rises continue downstream at Waroo, with high river levels and major flooding expected to continue at St George during next week. Further predictions will be made as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Moderate to major flooding continues to rise downstream from St George, with high levels expected to continue during the next few weeks.

Weather Forecast:
Isolated showers and thunderstorms in the southwest, chiefly afternoon and evening. Elsewhere, showers increasing to rain areas and local thunder during the afternoon and evening.

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:

Condamine R at Killarney #	0.05m steady	06:47 AM FRI 24/12/10
Condamine R at Elbow Valley #	3.08m steady	08:08 AM FRI 24/12/10
Condamine R at Murrays Br #	4.4m steady	08:43 AM FRI 24/12/10
Condamine R @ Warwick(Scots Col.) *	2.34m falling	08:00 AM FRI 24/12/10
Condamine R at Warwick #	4.24m falling	09:04 AM FRI 24/12/10
Glengallan Ck near Backwater Ck #	1.9m falling	09:30 AM FRI 24/12/10
Condamine R at Tummaville *	2.62m rising	08:00 AM FRI 24/12/10
Condamine R at Centenary Br	5.3m falling	05:00 AM FRI 24/12/10
North Condamine R at Lone Pine *	2.51m steady	08:00 AM FRI 24/12/10
Oakey Ck at Fairview *	1.5m falling	08:00 AM FRI 24/12/10
Condamine R at Loudoun Br *	5.21m steady	08:00 AM FRI 24/12/10
Myall Ck at Dalby #	1.29m rising	09:07 AM FRI 24/12/10

Condamine R at Warra-Kogan Rd Br	10m falling	06:00 AM FRI 24/12/10
Charleys Ck at Chinchilla *	5.33m rising slowly	05:30 AM FRI 24/12/10
Condamine R at Condamine	8m rising slowly	09:00 AM FRI 24/12/10
Condamine R at Cotswold *	9.81m rising	08:10 AM FRI 24/12/10
Balonne R at Warkon	10.25m rising slowly	06:00 AM FRI 24/12/10
Yuleba Ck at Yuleba Forestry *	2.89m falling	08:20 AM FRI 24/12/10
Balonne R at Surat *	8.86m rising	08:20 AM FRI 24/12/10
Balonne R at Weribone *	10.01m steady	08:00 AM FRI 24/12/10
Maranoa R at Old Cashmere *	6m steady	08:00 AM FRI 24/12/10
Balonne R at St George *	7.72m steady	08:00 AM FRI 24/12/10
Balonne R at Whyenbah	6.85m rising	09:00 AM FRI 24/12/10
Culgoa R at Whyenbah *	5.83m steady	08:00 AM FRI 24/12/10
Narran R at Dirranbandi-Hebel Rd *	4.67m steady	08:00 AM FRI 24/12/10
Ballandool R at Hebel-Bollon Rd *	3.04m steady	08:00 AM FRI 24/12/10
Bokhara R at Hebel *	1.26m steady	08:00 AM FRI 24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:10 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River with the flood peak in the Chinchilla Weir area, and moderate flooding also nearing a peak on Charleys Creek at Chinchilla during today. Moderate to major flooding continues along the Balonne River during this week and into next week.

CONDAMINE RIVER - WARWICK TO COTSWOLD:
Further scattered rainfall across the upper Condamine catchment during Thursday has caused some small rises and minor flooding upstream of Warwick during Friday morning. Creek levels in Myall Creek at Clydesdale have peaked, with levels to remain below minor downstream at Dalby during Friday.

Minor to moderate flooding continues between Tummaville and Loudoun Bridge. Major flooding continues between Ranges Bridge and Condamine township, with the flood peak currently in the Chinchilla Weir area. A major flood peak of around 9 to 10 metres is expected at Condamine later this weekend, with major flooding also forecast for Cotswold of between 12 and 13 metres early next week.

CHARLEYS CREEK:
Moderate flood levels are easing at Beruna and Burncluith, with moderate flood levels slowly approaching a peak at Chinchilla. At 5.30am Friday, the level at Chinchilla was 5.33 metres and rising slowly.

DOGWOOD CREEK:

Moderate flooding continues to ease at Pine Hill Crossing.

BALONNE RIVER - COTSWOLD TO SURAT:
Major flooding continues to rise at Warkon, whilst moderate flood levels are rising at Surat, with higher levels and major flooding of at least 10 metres expected next week.

MARANOA RIVER:
Moderate flooding continues to rise at Old Cashmere where moderate flood levels are expected to reach near 6.5 metres within the next 36 hours.

BALONNE RIVER - SURAT TO ST GEORGE:
Major flooding continues to rise on the Balonne River at Weribone, with further rises expected reach at least 10.5 metres during next week. River rises continue downstream at Waroo, with high river levels and major flooding expected to continue at St George during next week. Further predictions will be made as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Moderate to major flooding continues to rise downstream from St George, with high levels expected to continue during the next few weeks.

Weather Forecast:
Isolated showers and thunderstorms in the southwest, chiefly afternoon and evening. Elsewhere, showers increasing to rain areas and local thunder during the afternoon and evening.

Next Issue:
The next warning will be issued at about 11am Saturday.

Latest River Heights:

Condamine R at Killarney #	0.1m steady	09:47 AM FRI 24/12/10
Condamine R at Elbow Valley #	3.08m steady	08:08 AM FRI 24/12/10
Condamine R at Murrays Br #	4.35m falling	09:55 AM FRI 24/12/10
Condamine R @ Warwick(Scots Col.) *	2.34m falling	08:00 AM FRI 24/12/10
Condamine R at Warwick #	4.19m falling	09:45 AM FRI 24/12/10
Glengallan Ck near Backwater Ck #	1.85m falling	10:09 AM FRI 24/12/10
Condamine R at Tummaville *	2.62m rising	08:00 AM FRI 24/12/10
Condamine R at Centenary Br	5.3m falling	05:00 AM FRI 24/12/10
North Condamine R at Lone Pine *	2.51m steady	08:00 AM FRI 24/12/10
Oakey Ck at Fairview *	1.5m falling	08:00 AM FRI 24/12/10
Condamine R at Loudoun Br *	5.21m steady	08:00 AM FRI 24/12/10
Myall Ck at Dalby #	1.34m rising	10:00 AM FRI 24/12/10
Condamine R at Warra-Kogan Rd Br	10m falling	06:00 AM FRI 24/12/10
Condamine R at Chinchilla Weir HW *	NA	
Condamine R at Condamine	8m rising slowly	09:00 AM FRI 24/12/10
Condamine R at Cotswold *	9.81m rising	08:10 AM FRI 24/12/10
Balonne R at Warkon	10.28m rising slowly	09:00 AM FRI 24/12/10
Yuleba Ck at Yuleba Forestry *	2.89m falling	08:20 AM FRI 24/12/10
Balonne R at Surat *	8.86m rising	08:20 AM FRI 24/12/10
Balonne R at Weribone *	10.01m steady	08:00 AM FRI 24/12/10
Maranoa R at Old Cashmere *	6m steady	08:00 AM FRI 24/12/10
Balonne R at St George *	7.72m steady	08:00 AM FRI 24/12/10
Balonne R at Whyenbah	6.85m rising	09:00 AM FRI 24/12/10
Culgoa R at Whyenbah *	5.83m steady	08:00 AM FRI 24/12/10
Narran R at Dirranbandi-Hebel Rd *	4.67m steady	08:00 AM FRI 24/12/10
Ballandool R at Hebel-Bollon Rd *	3.04m steady	08:00 AM FRI 24/12/10
Bokhara R at Hebel *	1.26m steady	08:00 AM FRI 24/12/10

*,# denotes automatic stations.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:59 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to major flooding continues to rise along the Condamine River with the flood peak downstream of Chinchilla Weir area. River levels will rise again at Chinchilla on Charleys Creek with a peak expected on Monday. Moderate to major flooding continues along the Balonne River during this week and into next week. A moderate flood peak was observed along the Maranoa River at Old Cashmere.

CONDAMINE RIVER - TUMMAVILLE TO COTSWOLD:
Major flooding continues between Ranges Bridge and Condamine township, with the main flood peak now downstream of the Chinchilla Weir area where a peak of just over 11 metres was observed overnight. A major flood peak of between 9 and 10 metres is expected at Condamine on Sunday, with major flooding also forecast for Cotswold of between 12 and 13 metres early next week.

CHARLEYS CREEK:
Record major flood levels have been recorded at Beruna of 7.65 metres this morning. River levels at Chinchilla will fall today before rising again. A flood peak of up to 6 metres is possible on Monday. River levels will be higher than the Friday peak.

BALONNE RIVER - COTSWOLD TO SURAT:
Major flooding continues to rise at Warkon, whilst moderate flood levels are rising at Surat, with higher levels and major flooding of at least 10 metres expected next week.

BALONNE RIVER - SURAT TO ST GEORGE:
Major flooding continues to rise on the Balonne River at Weribone, with further rises expected reach at least 10.5 metres during next week. River rises continue downstream at Waroo, with high river levels and major flooding expected to continue at St George during next week. Further predictions will be made as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Moderate to major flooding continues to rise downstream from St George, with high levels expected to continue during the next few weeks.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Condamine R at Killarney #	0.2m steady	09:47 AM SAT 25/12/10
Condamine R at Elbow Valley #	2.03m falling	09:42 AM SAT 25/12/10
Condamine R at Murrays Br #	3.4m falling	09:41 AM SAT 25/12/10

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Condamine R @ Warwick(Scots Col.) * 1.74m falling      09:00 AM SAT 25/12/10
Condamine R at Warwick #            3.09m falling      09:35 AM SAT 25/12/10
Glengallan Ck near Backwater Ck #   1.1m steady        08:51 AM SAT 25/12/10
Condamine R at Tummaville *         4.2m rising        09:00 AM SAT 25/12/10
Condamine R at Centenary Br         5.7m rising slowly 10:00 AM SAT 25/12/10
North Condamine R at Lone Pine *    2.3m falling       09:00 AM SAT 25/12/10
Oakey Ck at Fairview *              1.1m falling       09:00 AM SAT 25/12/10
Condamine R at Loudoun Br *         5.08m falling      09:00 AM SAT 25/12/10
Myall Ck at Dalby #                 0.89m falling      09:50 AM SAT 25/12/10
Condamine R at Warra-Kogan Rd Br    9.58m falling      06:00 AM SAT 25/12/10
Condamine R at Condamine            8.6m rising slowly 09:00 AM SAT 25/12/10
Condamine R at Cotswold *           10.25m falling     08:00 AM SAT 25/12/10
Balonne R at Warkon                 10.4m steady       09:00 AM SAT 25/12/10
Yuleba Ck at Yuleba Forestry *      2.38m falling      11:20 PM FRI 24/12/10
Balonne R at Surat *                8.95m falling      08:20 AM SAT 25/12/10
Balonne R at Weribone *             9.93m rising       08:10 AM SAT 25/12/10
Maranoa R at Old Cashmere *         6m falling         08:20 AM SAT 25/12/10
Balonne R at St George *            8.5m steady        08:00 AM SAT 25/12/10
Balonne R at Whyenbah               7.2m rising        09:00 AM SAT 25/12/10
Culgoa R at Whyenbah *              6.07m steady       08:00 AM SAT 25/12/10
Narran R at Dirranbandi-Hebel Rd *  4.66m steady       08:00 AM SAT 25/12/10
Ballandool R at Hebel-Bollon Rd *   3.08m rising       08:00 AM SAT 25/12/10
Bokhara R at Hebel *                1.28m steady       08:00 AM SAT 25/12/10

*automatic station


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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:07 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to rise along the Condamine River with the
flood peak downstream of Chinchilla Weir in the Bedarra area. River levels will
rise again at Chinchilla on Charleys Creek with a peak expected on Monday.
Further heavy rainfall is forecast for the next 24 to 48 hours, with renewed
rises and higher levels possible.


CONDAMINE RIVER - TUMMAVILLE TO COTSWOLD:
Major flooding continues between Ranges Bridge and Condamine township, with the
main flood peak now downstream of Chinchilla Weir in the Bedarra area. A major
flood peak of around 10 metres is expected at Condamine on Monday, with major
flooding also forecast for Cotswold of between 12 and 13 metres during this
week.

CHARLEYS CREEK:
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Major flooding is easing at Beruna. Moderate flooding is rising at Seven Oaks, with creek levels at Chinchilla rising slowly. A major flood peak of up to 6 metres is possible on Monday-Tuesday, with levels higher than the Friday peak.

BALONNE RIVER - COTSWOLD TO SURAT:
Major flooding has peaked at Warkon with further renewed rises and higher levels expected during this week. Major flooding is rising at Surat, with a flood peak of at least 10 metres expected later this week.

BALONNE RIVER - SURAT TO ST GEORGE:
Major flooding is rising on the Balonne River at Weribone, with further rises expected to reach at least 11 metres during next week. River rises continue downstream at Waroo. High river levels are nearing an initial major flood peak at St George, however high river levels will continue into next week. Further predictions will be made for St George as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Moderate to major flooding continues downstream from St George, with high levels expected to continue during the next few weeks.

Weather Forecast:
Rain. Moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Condamine R at Killarney #	0.25m steady	09:47 AM SUN 26/12/10
Condamine R at Elbow Valley #	2.83m steady	08:08 AM SUN 26/12/10
Condamine R at Murrays Br #	4.05m rising	08:48 AM SUN 26/12/10
Condamine R @ Warwick(Scots Col.) *	1.73m rising	08:00 AM SUN 26/12/10
Condamine R at Warwick #	3.09m rising	09:24 AM SUN 26/12/10
Glengallan Ck near Backwater Ck #	1.9m falling	09:19 AM SUN 26/12/10
Condamine R at Tummaville *	4.48m falling	08:00 AM SUN 26/12/10
Condamine R at Centenary Br	6.05m rising slowly	09:00 AM SUN 26/12/10
North Condamine R at Lone Pine *	2.18m steady	08:00 AM SUN 26/12/10
Oakey Ck at Fairview *	1.65m falling	08:00 AM SUN 26/12/10
Condamine R at Loudoun Br *	4.2m falling	08:00 AM SUN 26/12/10
Myall Ck at Dalby #	0.64m falling	09:04 AM SUN 26/12/10
Condamine R at Warra-Kogan Rd Br	9.47m falling slowly	06:00 AM SUN 26/12/10
Charleys Ck at Chinchilla *	4.95m rising slowly	08:00 AM SUN 26/12/10
Condamine R at Condamine	9.1m rising slowly	09:00 AM SUN 26/12/10
Condamine R at Cotswold *	10.71m rising	08:10 AM SUN 26/12/10
Balonne R at Warkon	10.37m falling slowly	09:00 AM SUN 26/12/10
Yuleba Ck at Yuleba Forestry *	2.08m steady	08:00 AM SUN 26/12/10
Balonne R at Surat *	9.19m rising	08:00 AM SUN 26/12/10
Bungil Ck at Roma	2m steady	08:00 AM SUN 26/12/10
Balonne R at Weribone *	9.85m steady	08:20 AM SUN 26/12/10
Maranoa R at Old Cashmere *	5.13m falling	08:20 AM SUN 26/12/10
Balonne R at St George *	8.63m steady	08:00 AM SUN 26/12/10
Culgoa R at Whyenbah *	6.22m rising	08:00 AM SUN 26/12/10
Narran R at Dirranbandi-Hebel Rd *	4.66m steady	08:00 AM SUN 26/12/10
Ballandool R at Hebel-Bollon Rd *	3.14m steady	08:00 AM SUN 26/12/10
Bokhara R at Hebel *	1.34m rising	08:00 AM SUN 26/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 6:47 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Further rainfall totals of 30-50mm has fallen across the upper Condamine catchment overnight causing fast stream rises in the upper Condamine catchment, and in Myall, Bungil, Glengallan, Dalrymple, Kings, Hodgson and Oakey Creeks. Minor flooding is expected during today in Myall Creek at Dalby, and minor to moderate flooding is expected in Bungil Creek at Roma.

Moderate to major flooding continues to rise along the lower Condamine River with the flood peak downstream of Chinchilla Weir in the Bedarra area. River levels are rising at Chinchilla on Charleys Creek with a peak expected during Monday afternoon.

Further moderate to locally heavy rainfall is forecast for the next 24 to 48 hours, with renewed rises and higher levels possible.

UPPER CONDAMINE RIVER:
Fast stream rises are occurring upstream of Warwick causing major flooding in the Condamine River at Murrays Bridge, with minor flooding rising downstream at Warwick. Further rises and a minor flood peak up to 5.5 metres can be expected at Warwick during Monday.

Fast rises overnight is causing major flooding in Dalrymple Creek at Allora, in Kings Creek at Aides Bridge, and in Hodgson Creek at Felton, although creek levels are nearing a peak or have already peaked during Monday morning. Moderate flooding is also occurring in Glengallan Creek.

MYALL CREEK:
Moderate flooding is rising fast at Clydesdale with further rises and major flooding expected during Monday morning. Rises below minor flood level in North Myall Creek at Moffatt are approaching a peak. River levels downstream at Dalby are rising with minor flood levels expected to about 2.6 metres during Monday afternoon.

CONDAMINE RIVER - TUMMAVILLE TO COTSWOLD:
Major flooding continues between Ranges Bridge and Condamine township, with the main flood peak now downstream of Chinchilla Weir in the Bedarra area, with further rises occurring with the latest rainfall. A major flood peak of between 10 to 11 metres is now expected on Wednesday at Condamine township, with major flooding and higher levels now also forecast for Cotswold of between 13 and 14 metres during this week.

CHARLEYS CREEK:
Major flooding is easing at Beruna, with moderate flood levels steady at Seven Oaks. Major flooding is rising fast at Chinchilla with levels expected to be higher than the 1983 peak of 6.6 metres.

BALONNE RIVER - COTSWOLD TO SURAT:
Fast rises are occurring along Dogwood Creek during Monday morning with moderate

flooding expected during the next few days.

Major flooding at Warkon remains steady at an initial peak, with further renewed rises and higher levels expected during this week. Fast rises are occurring in Yuleba Creek with moderate to major flood levels expected during Monday. Major flooding continues to rise at Surat, with a flood peak to about 11 metres expected later this week.

Fast rises are occurring along Bungil Creek during Monday morning with minor to moderate flooding expected at Roma during today with creek levels expected to remain high into Tuesday.

BALONNE RIVER - SURAT TO ST GEORGE:
Fast rises are occurring along the Maranoa River during Monday morning with moderate flooding expected at Mitchell during today with creek levels expected to remain high into Tuesday.

Major flooding and renewed rises are occurring on the Balonne River at Weribone, with further rises now expected to reach 12 metres during next week. River rises continue downstream at Waroo. Major flooding is easing at St George, however renewed rises and higher river levels to at least 9 metres expected during this week and higher levels during next week. Further predictions will be made for St George as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Moderate to major flooding continues downstream from St George, with high levels expected to continue during the next few weeks.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about midday Monday.

Latest River Heights:

Condamine R at Killarney #	1.55m falling	06:19 AM MON 27/12/10
Condamine R at Elbow Valley #	3.63m rising	06:14 AM MON 27/12/10
Condamine R at Murrays Br #	6.55m rising	05:55 AM MON 27/12/10
Condamine R @ Warwick(Scots Col.) *	3.07m rising	05:34 AM MON 27/12/10
Condamine R at Warwick #	5.19m rising	06:16 AM MON 27/12/10
Glengallan Ck near Backwater Ck #	4.55m falling	06:21 AM MON 27/12/10
Condamine R at Pratten *	NA	
Condamine R at Tummaville *	6.01m rising	05:30 AM MON 27/12/10
Condamine R at Centenary Br	6.55m rising	05:30 AM MON 27/12/10
North Condamine R at Lone Pine *	4.85m rising	05:00 AM MON 27/12/10
Oakey Ck at Fairview *	2.12m rising	05:00 AM MON 27/12/10
Condamine R at Loudoun Br *	3.98m rising	05:00 AM MON 27/12/10
Myall Ck at Dalby #	1.89m rising	06:17 AM MON 27/12/10
Condamine R at Warra-Kogan Rd Br	9.43m rising	06:00 PM SUN 26/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla *	6.4m rising	06:30 AM MON 27/12/10
Condamine R at Condamine	9.5m rising	06:00 PM SUN 26/12/10
Condamine R at Cotswold *	11.86m rising	05:30 AM MON 27/12/10
Balonne R at Warkon	10.56m rising slowly	06:00 AM MON 27/12/10
Yuleba Ck at Yuleba Forestry *	6.45m rising	05:40 AM MON 27/12/10
Balonne R at Surat *	9.52m rising	05:40 AM MON 27/12/10
Bungil Ck at Roma	6m rising	05:00 AM MON 27/12/10
Balonne R at Weribone *	10.02m steady	05:00 AM MON 27/12/10
Maranoa R at Old Cashmere *	3.99m falling	05:40 AM MON 27/12/10
Balonne R at St George *	8.1m falling	05:30 AM MON 27/12/10
Balonne R at Whyenbah	7.43m rising	09:00 AM SUN 26/12/10
Culgoa R at Whyenbah *	6.31m steady	05:40 AM MON 27/12/10

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Narran R at Dirranbandi-Hebel Rd *  4.66m steady         08:00 AM SUN 26/12/10
Ballandool R at Hebel-Bollon Rd *   3.18m steady         04:00 AM MON 27/12/10
Bokhara R at Hebel *                1.39m rising         05:10 AM MON 27/12/10

*,# denotes automatic station.


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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 12:36 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall continues to fall across the upper Condamine catchment causing
fast stream rises in the upper Condamine catchment. Moderate flooding is
expected during today in Myall Creek at Dalby, and moderate flooding expected in
Bungil Creek at Roma.

Major flooding continues to rise along the lower Condamine River with flood
levels at Condamine township likely to exceed 11 metres during Monday evening.
Major creek levels continue to rise at Chinchilla on Charleys Creek during
Monday afternoon.

Further moderate to locally heavy rainfall is forecast for the next 24 to 48
hours, with renewed rises and higher levels possible.


UPPER CONDAMINE RIVER:
Fast stream rises are continuing upstream of Warwick with major flooding rising
in the Condamine River at Murrays Bridge. Moderate flood levels will occur
downstream at Warwick during Monday, with further rises and major flooding
possible overnight.

Major flood levels are occurring in Dalrymple Creek, Kings Creek and in Hodgson
Creek, and moderate flood levels rising in Glengallan Creek. A continuation of
the heavy rainfall during Monday may result in higher flood levels.


MYALL CREEK:
Major flooding continues to rise at Clydesdale with further rises possible with
the heavy rain expected to continue during Monday. Rises below minor flood level
in North Myall Creek at Moffatt are approaching a peak. Minor flood levels
downstream at Dalby continue to rise with moderate flooding and higher levels
possible during Monday afternoon.

CONDAMINE RIVER - TUMMAVILLE TO COTSWOLD:
Fast rises and major flooding is occurring between Ranges Bridge and Condamine
township. A major flood peak of between 11 to 12 metres is now expected on
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Tuesday at Condamine township, with major flooding and higher levels now also forecast for Cotswold to at least 14 metres later this week.

CHARLEYS CREEK:
Renewed rises and major flooding is rising at Beruna, with fast rises and major flooding at Chinchilla. Creek levels at Chinchilla have already exceeded the 1983 peak of 6.6 metres, with strong rises continuing during Monday.

BALONNE RIVER - COTSWOLD TO SURAT:
Fast rises and moderate flooding is occurring along Dogwood Creek with higher levels and major flooding expected during Monday.

Renewed rises an major flooding is occurring at Warkon, with moderate flooding also rising in Yuleba Creek. Major flooding continues to rise at Surat, with a flood peak to at least 11 metres expected later this week.

Fast rises and moderate flood levels are expected on Bungil Creek at Roma. Rises and moderate flooding will develop downstream at Garrabarra during Monday.

BALONNE RIVER - SURAT TO ST GEORGE:
Fast rises are occurring along the Maranoa River with moderate flooding expected at Mitchell during today.

Major flooding is slowly rising on the Balonne River at Weribone, with further rises now expected to reach near 12 metres during next week. River rises continue downstream at Waroo. Major flooding is easing at St George, however renewed rises and higher river levels to at least 10 metres expected during this week and higher levels during next week. Further predictions will be made for St George as upstream peaks are observed.

LOWER BALONNE RIVER SYSTEM:
Moderate to major flooding continues downstream from St George, with high levels expected to continue during the next few weeks.

Weather Forecast:
Rain areas with moderate to locally heavy falls.

Next Issue:
The next warning will be issued at about 5pm Monday.

Latest River Heights:

Condamine R at Killarney #	5.15m rising	12:29 PM MON 27/12/10
Condamine R at Elbow Valley #	5.03m rising	12:30 PM MON 27/12/10
Condamine R at Murrays Br #	7.25m rising	12:31 PM MON 27/12/10
Condamine R @ Warwick(Scots Col.) *	4.31m rising	11:49 AM MON 27/12/10
Condamine R at Warwick #	6.09m rising	12:26 PM MON 27/12/10
Glengallan Ck near Backwater Ck #	4.7m rising	12:28 PM MON 27/12/10
Condamine R at Tummaville *	8.95m rising	11:30 AM MON 27/12/10
Condamine R at Centenary Br	6.8m rising	12:00 PM MON 27/12/10
North Condamine R at Lone Pine *	5.5m rising	11:00 AM MON 27/12/10
Oakey Ck at Fairview *	3.16m rising	11:40 AM MON 27/12/10
Condamine R at Loudoun Br *	4.52m rising	11:00 AM MON 27/12/10
Myall Ck at Dalby #	2.84m rising	12:27 PM MON 27/12/10
Condamine R at Warra-Kogan Rd Br	10.4m rising fast	07:30 AM MON 27/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla *	6.7m rising	11:30 AM MON 27/12/10
Condamine R at Condamine	10.5m rising slowly	09:00 AM MON 27/12/10
Condamine R at Cotswold *	12.35m rising	11:40 AM MON 27/12/10
Balonne R at Warkon	10.6m rising slowly	09:00 AM MON 27/12/10
Yuleba Ck at Yuleba Forestry *	7.33m rising	12:00 PM MON 27/12/10
Balonne R at Surat *	9.58m rising	11:20 AM MON 27/12/10
Bungil Ck at Roma	6.4m rising	11:00 AM MON 27/12/10

Balonne R at Weribone *	10.12m rising	11:20 AM MON 27/12/10
Maranoa R at Old Cashmere *	3.79m falling	11:40 AM MON 27/12/10
Balonne R at St George *	7.94m falling	11:30 AM MON 27/12/10
Balonne R at Whyenbah	7.5m steady	09:00 AM MON 27/12/10
Culgoa R at Whyenbah *	6.32m steady	09:10 AM MON 27/12/10
Narran R at Dirranbandi-Hebel Rd *	4.67m steady	11:00 AM MON 27/12/10
Ballandool R at Hebel-Bollon Rd *	3.19m steady	08:00 AM MON 27/12/10
Bokhara R at Hebel *	1.4m steady	11:10 AM MON 27/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 5:26 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Further moderate to locally heavy rainfall is forecast for the next 24 hours,
with renewed rises and higher levels possible in some areas.

UPPER CONDAMINE RIVER TO WARWICK:
River levels are expected to peak between Murrays Bridge and Warwick tonight.
Warwick is predicted to peak at about 8 metres by midnight tonight causing major
flooding in the area.

CONDAMINE RIVER - WARWICK TO MYALL CREEK JUNCTION:
Fast river rises will continue downstream of Warwick to the Pratten, Tummaville
and Loudoun Bridge areas during the next few days causing major flooding.

MYALL CREEK TO DALBY:
Creek levels are tending to peak now around Moffatt and Clydesdale upstream of
Dalby. Fast creek rises are expected to continue at Dalby this evening. A peak
of about 3.8 metres at Dalby is expected by midnight tonight causing major
flooding. Further rain is possible in the headwaters tonight which could cause
renewed rises in headwaters.

CONDAMINE RIVER - MYALL CREEK JUNCTION TO CONDAMINE TOWN AREA:
Further river rises are expected to extend downstream to the Condamine Town area
and Cotswold area during this week. Major flooding is expected to continue for
at least the next 2 weeks.

CHARLEYS CREEK TO CHINCHILLA:
Charleys Creek at Chinchilla is expected to peak at 7 metres or above during
Monday night and Tuesday morning. This is 0.4 metres higher than the 1983 peak
of 6.6 metres. Flood levels at Chinchilla will remain high for the next 1 to 2
days.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week.

MARANOA RIVER:
Fast river rises are expected along the Maranoa River from the Mitchell area to Beardmore Dam during the next 3 days causing moderate to major flooding.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive which will prolong major flooding in the area. River rises and major flooding will extend downstream from St George to the NSW border during the next few weeks.

Predicted River Heights/Flows:
Higher levels are possible with further heavy rainfall during the next 24 hours. Forecasts will be updated when upstream peaks have been observed.

Condamine River at:
Warwick peak at about 8 metres by midnight tonight causing major flooding.

Balonne River at:
Surat Major flood peak (at least 11 metres) later this week.
St George Major flood levels (at least 10 metres) later this week with continued river rises.

Myall Creek at:
Dalby Peak at about 3.8 metres by midnight tonight causing major flooding

Charleys Creek at:
Chinchilla peak at 7 metres or above during Monday night and Tuesday morning.

Next Issue:
The next warning will be issued at about 8am Tuesday.

Latest River Heights:

Condamine R at Warwick #	6.94m rising	04:18 PM MON 27/12/10
Condamine R at Tummaville *	10.19m rising	03:10 PM MON 27/12/10
Condamine R at Centenary Br	7m rising	03:00 PM MON 27/12/10
North Condamine R at Lone Pine *	5.91m rising	02:00 PM MON 27/12/10
Condamine R at Loudoun Br *	5.11m rising	03:00 PM MON 27/12/10
Myall Ck at Dalby #	3.34m rising	04:24 PM MON 27/12/10
Condamine R at Cotswold *	12.54m rising	02:20 PM MON 27/12/10
Balonne R at Surat *	9.62m rising	02:50 PM MON 27/12/10
Bungil Ck at Roma	6.4m steady	01:30 PM MON 27/12/10
Balonne R at Weribone *	10.17m rising	02:40 PM MON 27/12/10
Maranoa R at Old Cashmere *	3.7m falling	02:40 PM MON 27/12/10
Balonne R at St George *	7.77m falling	02:40 PM MON 27/12/10
Balonne R at Whyenbah	7.5m steady	09:00 AM MON 27/12/10
Narran R at Dirranbandi-Hebel Rd *	4.67m steady	03:00 PM MON 27/12/10
Ballandool R at Hebel-Bollon Rd *	3.2m steady	02:20 PM MON 27/12/10
Bokhara R at Hebel *	1.4m steady	12:00 PM MON 27/12/10

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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 7:08 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

The heavy rainfall has cleared from the Condamine catchment, with just isolated showers and areas of light rain remaining during Tuesday. Major flooding extends along the Condamine River from the Warwick area through to the St George area in the Balonne River.

UPPER CONDAMINE RIVER TO WARWICK:
Major flood levels have peaked overnight between Murrays Bridge and Warwick, with moderate flooding continuing to ease at Warwick during Tuesday morning.

CONDAMINE RIVER - WARWICK TO MYALL CREEK JUNCTION:
Moderate to major flooding is generally easing downstream of Warwick with the flood peak currently in the Pratten and Tummaville areas. Major flooding continuesg to rise downstream to the Loudoun Bridge and Myall Creek junction area.

MYALL CREEK TO DALBY:
Creek levels remain steady near the major flood peak at Clydesdale, with moderate flooding also steady downstream at Dalby. At 6am Tuesday the river level at Dalby was steady at 3.49 metres, with river levels expected to remain high during Tuesday. Creek levels in the North Myall Creek at Moffat continue to ease below minor.

CONDAMINE RIVER - MYALL CREEK JUNCTION TO CONDAMINE TOWN AREA:
Major flooding continues to rise along the Condamine River, with river rises expected to continue downstream to the Condamine Township and Cotswold area during this week. Major flooding is expected to continue for at least the next 2 weeks.

CHARLEYS CREEK TO CHINCHILLA:
Flood levels and major flooding continues along Charleys Creek. At 6am Tuesday the creek level at Chinchilla was at 7.24 metres and rising, with a major flood peak expected during Tuesday morning. Flood levels at Chinchilla will remain high for the next 1 to 2 days.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Moderate flooding continues to slowly rise in Bungil Creek at Roma.

MARANOA RIVER:
Fast river rises continue along the Maranoa River from the Mitchell area to Beardmore Dam causing moderate to major flooding during the next 3 days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:

At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive which will prolong major flooding in the area. River rises and major flooding will extend downstream from St George to the NSW border during the next few weeks.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Balonne River at:

Surat	Major flood peak (at least 11 metres) later this week.
St George	Major flood levels (at least 10 metres) later this week with continued river rises.

Charleys Creek at:

Chinchilla	Major flood levels to hold around the current 7.2 metres, with further rises expected over the next few days.

Weather Forecast:
Mostly fine, just isolated showers and area of light rain in the far northeast and east.

Next Issue:
The next warning will be issued at about 2pm Tuesday.

Latest River Heights:

Condamine R at Killarney #	0.95m falling	06:50 AM TUE 28/12/10
Condamine R at Elbow Valley #	5.13m falling	06:49 AM TUE 28/12/10
Condamine R at Murrays Br #	7.5m falling	06:36 AM TUE 28/12/10
Condamine R @ Warwick(Scots Col.) *	5.85m falling	06:00 AM TUE 28/12/10
Condamine R at Warwick	7.9m rising	09:45 PM MON 27/12/10
Glengallan Ck near Backwater Ck #	4.05m falling	07:00 AM TUE 28/12/10
Condamine R at Pratten *	NA	
Condamine R at Tummaville *	10.97m falling	05:00 AM TUE 28/12/10
Condamine R at Centenary Br	7.2m rising	06:00 PM MON 27/12/10
North Condamine R at Lone Pine *	6.28m falling	05:00 AM TUE 28/12/10
Oakey Ck at Fairview *	6.4m steady	06:00 AM TUE 28/12/10
Condamine R at Loudoun Br *	6.85m rising	05:00 AM TUE 28/12/10
Myall Ck at Dalby #	3.49m steady	06:04 AM TUE 28/12/10
Condamine R at Warra-Kogan Rd Br	11.4m rising	06:00 PM MON 27/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla *	7.24m rising	06:00 AM TUE 28/12/10
Condamine R at Condamine	10.5m rising slowly	09:00 AM MON 27/12/10
Condamine R at Cotswold *	13.26m rising	05:20 AM TUE 28/12/10
Balonne R at Warkon	11.08m rising slowly	06:00 AM TUE 28/12/10
Yuleba Ck at Yuleba Forestry *	8.3m rising	05:20 AM TUE 28/12/10
Balonne R at Surat *	9.92m falling	05:40 AM TUE 28/12/10
Bungil Ck at Roma	6.8m rising slowly	09:00 AM TUE 28/12/10
Balonne R at Weribone *	10.74m rising	05:40 AM TUE 28/12/10
Maranoa R at Old Cashmere *	3.46m falling	05:40 AM TUE 28/12/10
Balonne R at St George *	7.39m steady	05:20 AM TUE 28/12/10
Balonne R at Whyenbah	7.5m steady	09:00 AM MON 27/12/10
Culgoa R at Whyenbah *	6.34m steady	04:00 AM TUE 28/12/10
Narran R at Dirranbandi-Hebel Rd *	4.68m steady	11:00 PM MON 27/12/10
Ballandool R at Hebel-Bollon Rd *	3.21m steady	04:00 AM TUE 28/12/10
Bokhara R at Hebel *	1.42m steady	04:00 AM TUE 28/12/10

*,# denotes automatic station.

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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 1:19 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

The heavy rainfall has cleared from the Condamine catchment, with just isolated showers and areas of light rain remaining during Tuesday. Major flooding extends along the Condamine River from the Warwick area through to the St George area in the Balonne River.

UPPER CONDAMINE RIVER TO WARWICK:
Major flooding continues to ease at Murrays Bridge and Warwick, with moderate flooding continuing to ease at Warwick (Scotts College) during Tuesday afternoon.

CONDAMINE RIVER - WARWICK TO MYALL CREEK JUNCTION:
Moderate to major flooding is generally easing downstream of Warwick with river levels currently easing in the Pratten and Tummaville areas. Major flooding continues to rise downstream to the Loudoun Bridge and Myall Creek junction area.

MYALL CREEK TO DALBY:
Moderate flooding is easing at Clydesdale, with creek levels also easing in the North Myall Creek at Moffat. Major flood levels downstream at Dalby remain steady at 3.5 metres, where creek levels are expected to remain high during Tuesday.

CONDAMINE RIVER - MYALL CREEK JUNCTION TO CONDAMINE TOWN AREA:
Major flooding continues to rise along the Condamine River, with river rises expected to continue downstream to the Condamine Township and Cotswold area during this week. Major flooding is expected to continue for at least the next 2 weeks.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues along Charleys Creek. Flood levels are remaining steady at Chinchilla, with major flooding to remain high for the next 1 to 2 days. At midday Tuesday the creek level at Chinchilla was 7.2 metres.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Moderate flood levels are nearing a peak in Bungil Creek at Roma, where at 11am Tuesday the creek was steady at 6.8 metres.

MARANOA RIVER:
Fast river rises continue along the Maranoa River from the Mitchell area to

Beardmore Dam causing moderate to major flooding during the next 3 days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive which will prolong major flooding in the area. River rises and major flooding will extend downstream from St George to the NSW border during the next few weeks.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Balonne River at:

Surat — Major flood peak (at least 11 metres) later this week.

St George — Major flood levels (at least 10 metres) later this week.

Charleys Creek at:

Chinchilla — Major flood levels to hold around the current 7.2 metres, with further rises expected over the next few days.

Weather Forecast:
Mostly fine, just isolated showers and areas of light rain or drizzle in the far northeast and east.

Next Issue:
The next warning will be issued at about 8pm Tuesday.

Latest River Heights:

Condamine R at Murrays Br #	7m falling	01:12 PM TUE 28/12/10
Condamine R @ Warwick(Scots Col.) *	4.96m falling	12:00 PM TUE 28/12/10
Condamine R at Warwick #	NA	
Glengallan Ck near Backwater Ck #	3.1m falling	01:09 PM TUE 28/12/10
Condamine R at Pratten *	NA	
Condamine R at Tummaville *	10.7m falling	11:30 AM TUE 28/12/10
Condamine R at Centenary Br	8.15m falling slowly	12:00 PM TUE 28/12/10
North Condamine R at Lone Pine *	5.97m falling	12:00 PM TUE 28/12/10
Oakey Ck at Fairview *	6.4m steady	12:00 PM TUE 28/12/10
Condamine R at Loudoun Br *	7.18m rising	12:00 PM TUE 28/12/10
Myall Ck at Dalby #	3.44m falling	12:37 PM TUE 28/12/10
Condamine R at Warra-Kogan Rd Br	12.95m rising fast	06:00 AM TUE 28/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla *	7.2m steady	12:00 PM TUE 28/12/10
Condamine R at Condamine	11.6m rising slowly	09:00 AM TUE 28/12/10
Condamine R at Cotswold *	13.52m rising	11:20 AM TUE 28/12/10
Balonne R at Warkon	11.11m rising slowly	09:00 AM TUE 28/12/10
Yuleba Ck at Yuleba Forestry *	8.38m steady	11:00 AM TUE 28/12/10
Balonne R at Surat *	10.27m rising	11:00 AM TUE 28/12/10
Bungil Ck at Roma	6.8m steady	11:00 AM TUE 28/12/10
Balonne R at Weribone *	11.2m rising	11:40 AM TUE 28/12/10
Maranoa R at Old Cashmere *	3.43m steady	11:00 AM TUE 28/12/10
Balonne R at St George *	7.34m falling	11:30 AM TUE 28/12/10
Balonne R at Whyenbah	7.56m rising slowly	09:00 AM TUE 28/12/10
Culgoa R at Whyenbah *	6.34m steady	08:00 AM TUE 28/12/10
Narran R at Dirranbandi-Hebel Rd *	4.69m steady	08:00 AM TUE 28/12/10
Ballandool R at Hebel-Bollon Rd *	3.21m steady	08:00 AM TUE 28/12/10
Bokhara R at Hebel *	1.42m steady	08:00 AM TUE 28/12/10

*,# denotes automatic station.

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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 7:52 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

No further significant rainfall has been recorded over the catchment Tuesday and fine conditions are forecast for Wednesday. Major flooding has now eased at Warwick but extends downstream along the Condamine River through to the St George area in the Balonne River.

UPPER CONDAMINE RIVER TO WARWICK:
Major flooding continues to ease at Murrays Bridge with minor flooding easing at Warwick (Scotts College).

CONDAMINE RIVER - WARWICK TO MYALL CREEK JUNCTION:
Moderate to major flooding is generally easing downstream of Warwick with river levels currently easing in the Pratten and Centenary Bridge areas. Major flooding continues to rise downstream to the Loudoun Bridge and Myall Creek junction area.

MYALL CREEK TO DALBY:
Moderate flooding continues to ease on Myall Creek between Clydesdale and has started to ease at Dalby where at 7pm the river level was 3.19 metres.

CONDAMINE RIVER - MYALL CREEK JUNCTION TO CONDAMINE TOWN AREA:
Major flooding continues to rise along the Condamine River, with river rises expected to continue downstream to the Condamine Township and Cotswold area during this week. Major flooding is expected to continue for at least the next 2 weeks.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues along Charleys Creek. Flood levels are remaining steady at Chinchilla, with major flooding to remain high for the next 1 to 2 days. At 7pm Tuesday the creek level at Chinchilla was 7.1 metres.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Moderate flood levels peaked at 6.8 metres in Bungil Creek at Roma Tuesday morning. River levels are now slowly falling.

MARANOA RIVER:
Fast river rises continue along the Maranoa River from the Mitchell area to Beardmore Dam causing moderate to major flooding during the next 3 days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive which will prolong major

flooding in the area. River rises and major flooding will extend downstream from St George to the NSW border during the next few weeks.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Balonne River at:

Surat Major flood peak (at least 11 metres) later this week.

St George Major flood levels (at least 10 metres) later this week.

Charleys Creek at:

Chinchilla Major flood levels to hold around the current 7.1 metres, with further rises expected over the next few days.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Condamine R at Killarney #	0.55m falling	06:49 PM TUE 28/12/10
Condamine R at Elbow Valley #	3.98m falling	07:22 PM TUE 28/12/10
Condamine R at Murrays Br #	6.65m falling	07:27 PM TUE 28/12/10
Condamine R @ Warwick(Scots Col.) *	4.08m falling	06:00 PM TUE 28/12/10
Glengallan Ck near Backwater Ck #	2.55m falling	07:17 PM TUE 28/12/10
Condamine R at Tummaville *	10.59m steady	05:00 PM TUE 28/12/10
Condamine R at Centenary Br	8m falling slowly	06:00 PM TUE 28/12/10
North Condamine R at Lone Pine *	5.74m falling	06:00 PM TUE 28/12/10
Oakey Ck at Fairview *	6.4m steady	06:00 PM TUE 28/12/10
Condamine R at Loudoun Br *	7.35m rising	05:00 PM TUE 28/12/10
Myall Ck at Dalby #	3.19m falling	07:00 PM TUE 28/12/10
Condamine R at Warra-Kogan Rd Br	13.2m rising	06:00 PM TUE 28/12/10
Charleys Creek at Chinchilla *	7.1m steady	07:00 PM TUE 28/12/10
Condamine R at Condamine	11.6m rising slowly	09:00 AM TUE 28/12/10
Condamine R at Cotswold *	13.79m rising	05:30 PM TUE 28/12/10
Balonne R at Warkon	11.11m rising slowly	09:00 AM TUE 28/12/10
Yuleba Ck at Yuleba Forestry *	8.45m rising	05:40 PM TUE 28/12/10
Balonne R at Surat *	10.51m falling	05:40 PM TUE 28/12/10
Bungil Ck at Roma	6.6m falling slowly	06:00 PM TUE 28/12/10
Balonne R at Weribone *	11.45m rising	05:20 PM TUE 28/12/10
Maranoa R at Old Cashmere *	3.55m rising	05:30 PM TUE 28/12/10
Balonne R at St George *	7.31m falling	05:00 PM TUE 28/12/10
Balonne R at Whyenbah	7.56m rising slowly	09:00 AM TUE 28/12/10
Culgoa R at Whyenbah *	6.33m steady	04:00 PM TUE 28/12/10
Narran R at Dirranbandi-Hebel Rd *	4.69m steady	03:00 PM TUE 28/12/10
Ballandool R at Hebel-Bollon Rd *	3.21m steady	04:00 PM TUE 28/12/10
Bokhara R at Hebel *	1.43m steady	04:00 PM TUE 28/12/10

*,# denote automatic station.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:19 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine River from Pratten through to the St George area in the Balonne River.

UPPER CONDAMINE RIVER TO WARWICK:
Moderate flooding continues to ease at Murrays Bridge with river levels easing below minor at Warwick (Scotts College).

CONDAMINE RIVER - WARWICK TO MYALL CREEK JUNCTION:
Major flooding continues along the Condamine River downstream from Pratten, with the flood peak approaching the Loudoun Bridge and Myall Creek junction area.

MYALL CREEK TO DALBY:
Creek levels continues to ease along Myall Creek between Clydesdale and Dalby. At 9.10am Wednesday the creek level at Dalby was 1.94 metres and easing below minor.

CONDAMINE RIVER - MYALL CREEK JUNCTION TO CONDAMINE TOWN AREA:
Major flooding continues to rise along the Condamine River, with river rises expected to continue downstream to the Condamine Township and Cotswold area during this week and into next week.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues along Charleys Creek. Flood levels have commenced to ease at Beruna and at Chinchilla, with major flooding to remain high for the next 1 to 2 days. At 5.45am Wednesday the creek level at Chinchilla was 6.88 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Major flooding continues in Dogwood, Yuleba, and Bungil Creeks, with minor flooding easing at Roma. Minor flooding has commenced in the Balonne River at Warroo.

MARANOA RIVER:
Fast river rises continue along the Maranoa River from the Mitchell area to Beardmore Dam causing moderate to major flooding during the next few days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive which will prolong major flooding in the area. River rises and major flooding will extend downstream from St George to the NSW border during the next few weeks.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Charleys Creek at:

Chinchilla	Major flooding expected to continue to slowly fall during the next few days.

Condamine River at:

Condamine Township	Record flood levels expected during the weekend and into next week.

Balonne River at:

Surat	Initial major flood peak (up to 12 metres) later this week.
	Record flood levels expected late next week.
St George	Major flood levels (at least 10 metres) later this week.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8pm Wednesday.

Latest River Heights:

Condamine R at Murrays Br #	5.8m falling	09:32 AM WED 29/12/10
Condamine R @ Warwick(Scots Col.) *	2.94m falling	09:00 AM WED 29/12/10
Condamine R at Pratten	7.2m falling	06:30 AM WED 29/12/10
Condamine R at Tummaville *	10.23m falling	08:00 AM WED 29/12/10
Condamine R at Centenary Br	7.8m falling slowly	09:00 AM WED 29/12/10
North Condamine R at Lone Pine *	5.11m falling	08:00 AM WED 29/12/10
Oakey Ck at Fairview *	5.73m falling	09:00 AM WED 29/12/10
Condamine R at Loudoun Br *	8.16m rising	08:00 AM WED 29/12/10
Myall Ck at Dalby #	1.89m falling	09:40 AM WED 29/12/10
Condamine R at Warra-Kogan Rd Br	14.15m rising	09:00 AM WED 29/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla	7.2m falling	05:45 AM WED 29/12/10
Condamine R at Condamine	13.2m rising slowly	09:00 AM WED 29/12/10
Condamine R at Cotswold *	14.38m rising	08:10 AM WED 29/12/10
Balonne R at Warkon	11.34m rising slowly	09:00 AM WED 29/12/10
Yuleba Ck at Yuleba Forestry *	8.85m steady	08:00 AM WED 29/12/10
Balonne R at Surat *	11.07m falling	08:10 AM WED 29/12/10
Bungil Ck at Roma	6m falling	08:00 AM WED 29/12/10
Balonne R at Weribone *	11.56m rising	08:20 AM WED 29/12/10
Maranoa R at Old Cashmere *	4.41m rising	08:10 AM WED 29/12/10
Balonne R at St George *	7.26m steady	08:00 AM WED 29/12/10
Balonne R at Whyenbah	7.49m falling slowly	09:00 AM WED 29/12/10
Culgoa R at Whyenbah *	6.3m steady	08:00 AM WED 29/12/10
Balonne R Minor at Dirranbandi	5.01m rising slowly	06:00 AM WED 29/12/10
Narran R at Dirranbandi-Hebel Rd *	4.7m steady	08:00 AM WED 29/12/10
Ballandool R at Hebel-Bollon Rd *	3.22m steady	08:00 AM WED 29/12/10
Bokhara R at Hebel *	1.44m steady	08:00 AM WED 29/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 12:48 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine River from Tummaville through to the St George area in the Balonne River.

UPPER CONDAMINE RIVER TO TUMMAVILLE:
Moderate flooding continues to ease at Murrays Bridge with river levels now below minor at Warwick (Scotts College). Moderate flood levels are falling in the Pratten area. Major flood levels are easing at Tummaville but are likely to remain above 9 metres through today.

CONDAMINE RIVER - TUMMAVILLE TO LOUDOUN BRIDGE:
Major flooding continues along the Condamine River downstream from Tummaville. Flood levels at Loudoun Bridge are approaching a peak. A record major flood level of 11 metres was observed at 3am this morning. A peak is expected of around 11.3 metres today. Oakey Creek has peak and levels at Fairview are now falling quickly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River. Water levels will continue to rise today with a peak expected at Ranges Bridge overnight of around 10.5 metres. River level rises will continue downstream to Condamine Township where a peak is expected on Sunday or Monday of 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues along Charleys Creek. Flood levels are easing at Beruna and at Chinchilla, with major flooding to remain high for the next 1 to 2 days. At 5.45am Wednesday the creek level at Chinchilla was 6.88 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Flood levels at Surat are likely to peak just below 12 metres but will ease very slowly. Major flooding continues in Dogwood, Yuleba, and Bungil Creeks, with minor flooding easing at Roma. Minor flooding has commenced in the Balonne River at Warroo.

MARANOA RIVER:
Fast river rises continue along the Maranoa River at Mitchell. River levels at Old Cashmere are expected to reach at least 7 metres although further rises are likely while the river at Mitchell continues to rise.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres is expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Condamine River at:

Condamine Township or Flood levels to reach around 14 metres. Levels may reach just exceed the 1942 flood record height of 14.25 metres.

Balonne River at:
Surat Peak up to 12 metres next week.

St George Major flood levels (at least 10 metres) later this week.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8pm Wednesday.

Latest River Heights:

Condamine R at Killarney #	0.2m falling	10:21 AM WED 29/12/10
Condamine R at Elbow Valley #	2.93m falling	11:56 AM WED 29/12/10
Condamine R at Murrays Br #	5.6m falling	12:07 PM WED 29/12/10
Condamine R @ Warwick(Scots Col.) *	2.84m falling	11:00 AM WED 29/12/10
Glengallan Ck near Backwater Ck #	1.8m rising	11:56 AM WED 29/12/10
Condamine R at Tummaville *	10.12m falling	11:00 AM WED 29/12/10
Condamine R at Centenary Br	7.8m falling slowly	09:00 AM WED 29/12/10
North Condamine R at Lone Pine *	4.98m falling	11:00 AM WED 29/12/10
Oakey Ck at Fairview *	5.48m falling	11:00 AM WED 29/12/10
Condamine R at Loudoun Br *	8.18m steady	11:00 AM WED 29/12/10
Myall Ck at Dalby #	1.69m steady	12:03 PM WED 29/12/10
Condamine R at Warra-Kogan Rd Br	14.15m rising	09:00 AM WED 29/12/10
Condamine R at Condamine	13.2m rising slowly	09:00 AM WED 29/12/10
Condamine R at Cotswold *	14.52m rising	11:20 AM WED 29/12/10
Balonne R at Warkon	11.34m rising slowly	09:00 AM WED 29/12/10
Yuleba Ck at Yuleba Forestry *	8.77m falling	11:30 AM WED 29/12/10
Balonne R at Surat *	11.11m falling	11:30 AM WED 29/12/10
Bungil Ck at Roma	5.1m falling	11:30 AM WED 29/12/10
Balonne R at Weribone *	11.61m rising	11:30 AM WED 29/12/10
Maranoa R at Old Cashmere *	4.58m rising	11:30 AM WED 29/12/10
Balonne R at St George *	7.25m steady	11:00 AM WED 29/12/10
Balonne R at Whyenbah	7.49m falling slowly	09:00 AM WED 29/12/10
Culgoa R at Whyenbah *	6.29m steady	09:20 AM WED 29/12/10
Balonne R Minor at Dirranbandi	5.01m rising slowly	06:00 AM WED 29/12/10
Narran R at Dirranbandi-Hebel Rd *	4.7m steady	08:00 AM WED 29/12/10
Ballandool R at Hebel-Bollon Rd *	3.22m steady	08:00 AM WED 29/12/10
Bokhara R at Hebel *	1.44m steady	08:00 AM WED 29/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 7:56 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine/Balonne River system between Tummaville through to the St George area.

UPPER CONDAMINE RIVER TO TUMMAVILLE:
Moderate flooding continues to ease at Murrays Bridge and in the Pratten area. Major flood levels are easing at Tummaville but are likely to remain above 9 metres into Wednesday.

CONDAMINE RIVER - TUMMAVILLE TO LOUDOUN BRIDGE:
Moderate to major flooding continues along the Condamine River downstream from Tummaville. Flood levels at Loudoun Bridge have now peaked with a record major flood level of 11.3 metres at about 11:30am Wednesday. Minor flood levels in Oakey Creek at Fairview are now falling quickly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River downstream to Cotswold. Water levels will continue to rise today with a peak expected at Ranges Bridge overnight of around 11 metres. River level rises will continue downstream to Condamine Township where a peak is expected on Sunday or Monday of 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues along Charleys Creek. Flood levels are easing at Beruna and at Chinchilla, with major flooding to remain high for the next 1 to 2 days. At 4:30pm Wednesday the creek level at Chinchilla was 6.74 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Flood levels at Surat are likely to peak just below 12 metres but will ease very slowly. Major flooding continues in Dogwood, Yuleba, and Bungil Creeks, with river levels at Roma now below the minor flood level. Minor flooding is rising in the Balonne River at Warroo.

MARANOA RIVER:
Fast river rises continue along the Maranoa River at Mitchell. River levels at Old Cashmere are expected to reach at least 7 metres although further rises are likely while moderate flood levels at Mitchell have now peaked.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres is expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Condamine River at:
Condamine Township Flood levels to reach around 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

Balonne River at:

Surat Peak up to 12 metres next week.

St George Major flood levels (at least 10 metres) later this week.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8:30am Thursday.

Latest River Heights:

Condamine R at Killarney #	0.1m steady	06:46 PM WED 29/12/10
Condamine R at Elbow Valley #	2.63m falling	06:25 PM WED 29/12/10
Condamine R at Murrays Br #	5.05m falling	06:58 PM WED 29/12/10
Condamine R @ Warwick(Scots Col.) *	2.52m falling	06:00 PM WED 29/12/10
Glengallan Ck near Backwater Ck #	1.6m steady	05:51 PM WED 29/12/10
Condamine R at Tummaville *	9.8m falling	06:00 PM WED 29/12/10
Condamine R at Centenary Br	7.45m falling slowly	06:00 PM WED 29/12/10
North Condamine R at Lone Pine *	4.73m falling	06:00 PM WED 29/12/10
Oakey Ck at Fairview *	4.68m falling	06:00 PM WED 29/12/10
Condamine R at Loudoun Br *	8.04m falling	06:00 PM WED 29/12/10
Myall Ck at Dalby #	1.14m falling	06:50 PM WED 29/12/10
Condamine R at Warra-Kogan Rd Br	14.58m rising	06:00 PM WED 29/12/10
Charleys Ck at Chinchilla	6.74m falling slowly	04:30 PM WED 29/12/10
Condamine R at Condamine	13.2m rising slowly	09:00 AM WED 29/12/10
Condamine R at Cotswold *	14.77m rising	05:30 PM WED 29/12/10
Balonne R at Warkon	11.34m rising slowly	09:00 AM WED 29/12/10
Yuleba Ck at Yuleba Forestry *	8.58m falling	05:20 PM WED 29/12/10
Balonne R at Surat *	11.23m falling	05:40 PM WED 29/12/10
Bungil Ck at Roma	4m falling	04:00 PM WED 29/12/10
Balonne R at Weribone *	11.7m rising	05:10 PM WED 29/12/10
Maranoa R at Old Cashmere *	4.83m rising	05:40 PM WED 29/12/10
Balonne R at St George *	7.1m falling	05:40 PM WED 29/12/10
Balonne R at Whyenbah	7.49m falling slowly	09:00 AM WED 29/12/10
Culgoa R at Whyenbah *	6.27m falling	04:00 PM WED 29/12/10
Balonne R Minor at Dirranbandi	4.99m falling slowly	02:30 PM WED 29/12/10
Narran R at Dirranbandi-Hebel Rd *	4.7m steady	03:00 PM WED 29/12/10
Ballandool R at Hebel-Bollon Rd *	3.22m steady	04:00 PM WED 29/12/10
Bokhara R at Hebel *	1.44m steady	04:00 PM WED 29/12/10

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 10:51 PM on Wednesday the 29th of December 2010

by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine/Balonne River system between Tummaville through to the St George area.

UPPER CONDAMINE RIVER TO TUMMAVILLE:
Moderate flooding continues to ease at Murrays Bridge and in the Pratten area. Major flood levels are easing at Tummaville but are likely to remain above 9 metres into Wednesday.

CONDAMINE RIVER - TUMMAVILLE TO LOUDOUN BRIDGE:
Moderate to major flooding continues along the Condamine River downstream from Tummaville. Flood levels at Loudoun Bridge have now peaked with a record major flood level of 11.3 metres at about 11:30am Wednesday. Minor flood levels in Oakey Creek at Fairview are now falling quickly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River downstream to Cotswold. Water levels will continue to rise today with a peak expected at Ranges Bridge overnight of around 11 metres. River level rises will continue downstream to Condamine Township where a peak is expected on Sunday or Monday of 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues along Charleys Creek. Flood levels are easing at Beruna, with major flooding to remain high for the next 1 to 2 days. Small renewed rises are occurring in the Chinchilla area with levels up to 7 metres possilbe overnight Wendesday. At 9pm Wednesday the creek level at Chinchilla was 6.8 metres and rising.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Flood levels at Surat are likely to peak just below 12 metres but will ease very slowly. Major flooding continues in Dogwood, Yuleba, and Bungil Creeks, with river levels at Roma now below the minor flood level. Minor flooding is rising in the Balonne River at Warroo.

MARANOA RIVER:
Fast river rises continue along the Maranoa River at Mitchell. River levels at Old Cashmere are expected to reach at least 7 metres although further rises are likely while moderate flood levels at Mitchell have now peaked.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, renewed river rises are expected and will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres is expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Condamine River at:
Condamine Township Flood levels to reach around 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

Balonne River at:
Surat Peak up to 12 metres next week.

St George Major flood levels (at least 10 metres) later this week.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8:30am Thursday.

Latest River Heights:

Condamine R at Killarney #	0.05m steady	09:46 PM WED 29/12/10
Condamine R at Elbow Valley #	2.48m falling	10:13 PM WED 29/12/10
Condamine R at Murrays Br #	4.8m falling	10:24 PM WED 29/12/10
Condamine R @ Warwick(Scots Col.) *	2.41m falling	09:00 PM WED 29/12/10
Condamine R at Warwick #	NA	
Glengallan Ck near Backwater Ck #	1.55m falling	09:38 PM WED 29/12/10
Condamine R at Pratten *	NA	
Condamine R at Tummaville *	9.62m falling	09:00 PM WED 29/12/10
Condamine R at Centenary Br	7.45m falling slowly	06:00 PM WED 29/12/10
North Condamine R at Lone Pine *	4.63m falling	09:00 PM WED 29/12/10
Oakey Ck at Fairview *	4.38m falling	09:00 PM WED 29/12/10
Condamine R at Loudoun Br *	8m falling	08:00 PM WED 29/12/10
Myall Ck at Dalby #	0.99m falling	10:15 PM WED 29/12/10
Condamine R at Warra-Kogan Rd Br	14.58m rising	06:00 PM WED 29/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla *	NA	
Condamine R at Condamine	13.2m rising slowly	09:00 AM WED 29/12/10
Condamine R at Cotswold *	14.88m rising	08:10 PM WED 29/12/10
Balonne R at Warkon	11.44m rising slowly	09:00 PM WED 29/12/10
Yuleba Ck at Yuleba Forestry *	8.47m steady	08:40 PM WED 29/12/10
Balonne R at Surat *	11.27m rising	08:40 PM WED 29/12/10
Bungil Ck at Roma	4m falling	04:00 PM WED 29/12/10
Balonne R at Weribone *	11.78m steady	08:30 PM WED 29/12/10
Maranoa R at Old Cashmere *	4.93m rising	08:40 PM WED 29/12/10
Balonne R at St George *	6.88m rising	08:40 PM WED 29/12/10
Balonne R at Whyenbah	7.49m falling slowly	09:00 AM WED 29/12/10
Culgoa R at Whyenbah *	6.26m falling	08:00 PM WED 29/12/10
Culgoa R at Woolerbilla *	NA	
Briarie Ck Hebel-Woolerbilla Rd *	NA	
Balonne R Minor at Dirranbandi	4.99m falling slowly	02:30 PM WED 29/12/10
Narran R at Dirranbandi-Hebel Rd *	4.7m steady	03:00 PM WED 29/12/10
Ballandool R at Hebel-Bollon Rd *	3.23m steady	08:00 PM WED 29/12/10
Bokhara R at Hebel *	1.45m steady	08:00 PM WED 29/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS

Issued at 8:55 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine/Balonne River system between Centenary Bridge through to the St George area. Renewed rises and minor flooding is expected at Dalby during Thursday, and should then ease again during this evening.

UPPER CONDAMINE RIVER TO TUMMAVILLE:
Some minor flooding continues to ease in the Murrays Bridge area and at Pratten.

CONDAMINE RIVER - TUMMAVILLE TO LOUDOUN BRIDGE:
Moderate to major flooding continues to ease along the Condamine River downstream from Tummaville. Major flooding is easing at Loudoun Bridge.

Clydesdale has recorded a further rise during Thursday morning with creek levels currently easing. Renewed rises will develop downstream at Dalby during today with a minor flood peak expected at about 3pm Thursday. Creek levels should then re-commence to ease during Thursday evening.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River downstream to Cotswold, with the flood peak currently in the Ranges Bridge area. River level rises will continue downstream to Condamine Township where a peak is expected on Sunday or Monday of 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues to ease along Charleys Creek. At 5.30am Thursday the creek level at Chinchilla was 6.75 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Further river rises are expected to prolong major flooding in the Surat area for at least the next week. Flood levels at Surat are likely to peak just below 12 metres but will ease very slowly. Moderate to major flooding is easing in Dogwood, Yuleba, and Bungil Creeks, with river levels at Roma well below the minor flood level. Minor flooding is rising in the Balonne River at Warroo.

MARANOA RIVER:
Moderate flooding is easing in the Maranoa River at Mitchell. River levels at Old Cashmere are expected to reach at least 7 metres during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, fast river rises and major flooding is occurring and will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres is expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Forecasts will be updated when upstream peaks have been observed.

Condamine River at:
Condamine Township Flood levels to reach around 14 metres. Levels may reach or just exceed the 1942 flood record height of 14.25 metres.

Balonne River at:
Surat Peak up to 12 metres next week.

St George Major flood levels (at least 10 metres) later this

week.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8:30pm Thursday.

Latest River Heights:

Condamine R at Elbow Valley #	2.18m steady	08:08 AM THU 30/12/10
Condamine R at Murrays Br #	4.1m falling	08:50 AM THU 30/12/10
Condamine R @ Warwick(Scots Col.) *	2.05m falling	08:00 AM THU 30/12/10
Glengallan Ck near Backwater Ck #	1.4m steady	08:51 AM THU 30/12/10
Condamine R at Pratten *	NA	
Condamine R at Tummaville *	8.78m falling	08:00 AM THU 30/12/10
Condamine R at Centenary Br	7.1m falling slowly	05:00 AM THU 30/12/10
North Condamine R at Lone Pine *	4.34m falling	06:00 AM THU 30/12/10
Oakey Ck at Fairview *	3.5m falling	08:00 AM THU 30/12/10
Condamine R at Loudoun Br *	7.7m falling	08:00 AM THU 30/12/10
Myall Ck at Dalby #	0.79m falling	07:12 AM THU 30/12/10
Condamine R at Warra-Kogan Rd Br	14.99m falling slowly	07:30 AM THU 30/12/10
Condamine R at Chinchilla Weir HW *	NA	
Charleys Ck at Chinchilla *	6.75m falling slowly	05:30 AM THU 30/12/10
Condamine R at Condamine	13.2m rising slowly	09:00 AM WED 29/12/10
Condamine R at Cotswold *	15.25m rising	08:10 AM THU 30/12/10
Balonne R at Warkon	11.59m rising slowly	06:00 AM THU 30/12/10
Yuleba Ck at Yuleba Forestry *	8.04m falling	08:00 AM THU 30/12/10
Balonne R at Surat *	11.28m rising	08:10 AM THU 30/12/10
Bungil Ck at Roma	4m falling	04:00 PM WED 29/12/10
Balonne R at Weribone *	12.05m rising	08:20 AM THU 30/12/10
Maranoa R at Old Cashmere *	5.29m rising	08:10 AM THU 30/12/10
Balonne R at St George *	8.25m steady	08:20 AM THU 30/12/10
Balonne R at Whyenbah	7.49m falling slowly	09:00 AM WED 29/12/10
Culgoa R at Whyenbah *	6.23m steady	08:20 AM THU 30/12/10
Balonne R Minor at Dirranbandi	4.95m falling slowly	06:00 AM THU 30/12/10
Narran R at Dirranbandi-Hebel Rd *	4.72m steady	08:00 AM THU 30/12/10
Ballandool R at Hebel-Bollon Rd *	3.24m steady	08:00 AM THU 30/12/10
Bokhara R at Hebel *	1.46m steady	08:00 AM THU 30/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 2:43 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system

between Cecil Plains through to the St George area.

CONDAMINE RIVER - TUMMAVILLE TO LOUDOUN BRIDGE:
Moderate to major flooding continues to ease along the Condamine River downstream from Tummaville. Major flooding is easing at Loudoun Bridge.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River from Loudon Bridge to Cotswold. The flood peak is currently situated between the Ranges Bridge and Warra Kogan Road area.

At 9am Thursday, the river level at Condamine Township had already reached the 1942 flood record height of 14.25 metres. Further slow rises will continue at Condamine Township as upstream floodwaters arrive, with river levels expected to reach about 15 metres later this weekend.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues to ease along Charleys Creek, where at 9am Thursday the creek level at Chinchilla was 6.5 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River, with flood levels at Surat likely to peak at about 12 metres during this weekend and remain high during next week. Moderate to major flooding is easing in Dogwood, Yuleba, and Bungil Creeks, with creek levels at Roma well below the minor flood level. Minor flooding is rising in the Balonne River at Warroo.

MARANOA RIVER:
Moderate flooding is easing in the Maranoa River at Mitchell. River levels at Old Cashmere are expected to reach at least 7 metres causing major flooding during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding are occurring and will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres is expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:
Condamine Township Major flood levels have reached the 1942 flood record height
                    of 14.25 metres. Major flood peak to reach about 15 metres
                    later this weekend.

Balonne River at:
Surat   Peak up to 12 metres next week.

St George   Reach 10 metres (major) later this week and continue rising.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8:30pm Thursday.

Latest River Heights:
Condamine R at Killarney #   0m steady   12:46 PM THU 30/12/10
Condamine R at Elbow Valley #   2.03m steady   02:08 PM THU 30/12/10

Condamine R at Murrays Br #	3.75m	falling	02:36 PM THU 30/12/10
Condamine R @ Warwick(Scots Col.) *	1.93m	falling	01:00 PM THU 30/12/10
Glengallan Ck near Backwater Ck #	1.3m	falling	02:38 PM THU 30/12/10
Condamine R at Tummaville *	8.31m	falling	01:00 PM THU 30/12/10
Condamine R at Centenary Br	6.95m	falling slowly	01:30 PM THU 30/12/10
North Condamine R at Lone Pine *	4.12m	falling	01:00 PM THU 30/12/10
Oakey Ck at Fairview *	3.24m	falling	01:00 PM THU 30/12/10
Condamine R at Loudoun Br *	7.59m	falling	01:00 PM THU 30/12/10
Myall Ck at Dalby #	0.79m	steady	12:03 PM THU 30/12/10
Condamine R at Warra-Kogan Rd Br	14.99m	falling slowly	07:30 AM THU 30/12/10
Condamine R at Chinchilla Weir HW *	NA		
Charleys Ck at Chinchilla *	6.5m	falling	09:00 AM THU 30/12/10
Condamine R at Condamine	14.25m	rising slowly	09:00 AM THU 30/12/10
Condamine R at Cotswold *	15.34m	rising	11:20 AM THU 30/12/10
Balonne R at Warkon	11.63m	rising slowly	09:00 AM THU 30/12/10
Yuleba Ck at Yuleba Forestry *	7.88m	falling	11:30 AM THU 30/12/10
Balonne R at Surat *	11.34m	rising	11:40 AM THU 30/12/10
Bungil Ck at Roma	3.1m	falling	12:05 PM THU 30/12/10
Balonne R at Weribone *	12.12m	rising	11:40 AM THU 30/12/10
Maranoa R at Old Cashmere *	5.4m	rising	11:30 AM THU 30/12/10
Balonne R at St George *	8.59m	rising	11:40 AM THU 30/12/10
Balonne R at Whyenbah	7.35m	falling slowly	09:00 AM THU 30/12/10
Culgoa R at Whyenbah *	6.23m	steady	08:20 AM THU 30/12/10
Balonne R Minor at Dirranbandi	4.95m	falling slowly	06:00 AM THU 30/12/10
Narran R at Dirranbandi-Hebel Rd *	4.72m	steady	08:00 AM THU 30/12/10
Ballandool R at Hebel-Bollon Rd *	3.24m	steady	08:00 AM THU 30/12/10
Bokhara R at Hebel *	1.46m	steady	08:00 AM THU 30/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:00 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system
between Cecil Plains through to the St George and Dirranbandi area.

CONDAMINE RIVER - TUMMAVILLE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River
downstream from Tummaville to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is now in the Brigalow Bridge area where record major flood
levels have remained steady during Thursday afternoon. Major flooding and rises
continue downstream to Condamine Township and Cotswold.

At 2.30pm Thursday, the river level at Condamine Township was 14.30 metres and has already exceeded the 1942 flood record height of 14.25 metres. Further rises are expected at Condamine Township with river levels expected to reach, and possibly exceed, 15 metres later this weekend.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues to ease along Charleys Creek, where at 5pm Thursday the creek level at Chinchilla was 6.3 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River, with flood levels at Surat likely to reach about 12 metres during this weekend and into next week.

Moderate to major flooding is easing in Dogwood, Yuleba, and Bungil Creeks, with creek levels at Roma well below the minor flood level. Minor flooding is rising in the Balonne River at Warroo.

MARANOA RIVER:
Minor flooding is easing in the Maranoa River at Mitchell. River levels at Old Cashmere could reach the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres are expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township	Reach about 15 metres (major) later this weekend.

Balonne River at:

Surat	Reach 12 metres during next week.
St George	Reach 10 metres (major) during the weekend. Further rises to 12 metres expected during the next two weeks.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 7:30am Friday.

Latest River Heights:

Condamine R at Tummaville *	7.72m falling	07:00 PM THU 30/12/10
Condamine R at Centenary Br	6.95m steady	06:00 PM THU 30/12/10
North Condamine R at Lone Pine *	3.99m falling	05:00 PM THU 30/12/10
Oakey Ck at Fairview *	2.97m falling	07:00 PM THU 30/12/10
Condamine R at Loudoun Br *	7.48m falling	06:00 PM THU 30/12/10
Myall Ck at Dalby #	0.99m rising	07:28 PM THU 30/12/10
Condamine R at Warra-Kogan Rd Br	14.99m falling slowly	07:30 AM THU 30/12/10
Condamine R at Condamine	14.3m steady	03:30 PM THU 30/12/10
Condamine R at Cotswold *	15.5m rising	05:00 PM THU 30/12/10
Balonne R at Warkon	11.63m rising slowly	09:00 AM THU 30/12/10
Yuleba Ck at Yuleba Forestry *	7.52m falling	05:40 PM THU 30/12/10
Balonne R at Surat *	11.38m rising	05:40 PM THU 30/12/10
Balonne R at Weribone *	12.24m rising	05:20 PM THU 30/12/10

Maranoa R at Old Cashmere *	5.58m rising	05:20 PM THU 30/12/10
Balonne R at St George *	8.96m rising	05:30 PM THU 30/12/10
Balonne R at Whyenbah	7.35m falling slowly	09:00 AM THU 30/12/10
Culgoa R at Whyenbah *	6.21m steady	04:00 PM THU 30/12/10
Balonne R Minor at Dirranbandi	4.95m falling slowly	06:00 AM THU 30/12/10
Narran R at Dirranbandi-Hebel Rd *	4.72m steady	03:00 PM THU 30/12/10
Ballandool R at Hebel-Bollon Rd *	3.25m steady	04:00 PM THU 30/12/10
Bokhara R at Hebel *	1.46m steady	04:00 PM THU 30/12/10

* automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 7:55 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system
between the Loudoun Bridge through to the St George and Dirranbandi area.

CONDAMINE RIVER - TUMMAVILLE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River
downstream from Tummaville to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak (which is highest on record) is now in the Chinchilla Weir
area with further small rises possible with a peak expected during Friday
afternoon. Major flooding and rises continue downstream to Condamine Township
and Cotswold.

The river level at Condamine Township at 6am was 14.65m and has already exceeded
the 1942 flood record height of 14.25 metres. Further rises are expected at
Condamine Township with river levels expected to reach, and possibly exceed, 15
metres later this weekend.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues to ease along Charleys Creek, where at 5pm Thursday the
creek level at Chinchilla was 6.3 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. Flood levels at Surat
will exceed 12 metres during the weekend with further rises. Surat could
possibly reach near the March 2010 flood level of 12.4 metres by next Thursday
6th January 2011.

Minor to moderate flooding is easing in Dogwood, Yuleba, and Bungil Creeks, with
creek levels at Roma well below the minor flood level. Major flooding is rising

in the Balonne River between Weribone and Warroo.

MARANOA RIVER:
Moderate to major flood levels extend downstream from Mitchell between Springfield and Old Cashmere. River levels at Old Cashmere could reach the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next 2 weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres are expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township Reach about 15 metres (major) later this weekend.

Balonne River at:

Surat Exceed 12 metres during the weekend.
Possibly reach near the March 2010 flood level of 12.4 metres by Thursday 6th.

St George Reach 10 metres (major) during this weekend.
Further rises to 12 metres expected during next two weeks.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 1pm Friday.

Latest River Heights:

Condamine R at Tummaville *	6.88m	falling	05:00 AM FRI 31/12/10
Condamine R at Centenary Br	6.85m	falling slowly	05:00 AM FRI 31/12/10
North Condamine R at Lone Pine *	3.67m	falling	05:00 AM FRI 31/12/10
Oakey Ck at Fairview *	2.51m	falling	06:00 AM FRI 31/12/10
Condamine R at Loudoun Br *	7.21m	falling	05:00 AM FRI 31/12/10
Myall Ck at Dalby #	0.89m	steady	06:03 AM FRI 31/12/10
Condamine R at Warra-Kogan Rd Br	14.99m	falling slowly	07:30 AM THU 30/12/10
Condamine R at Condamine ^	14.65m	rising	06:00 AM FRI 31/12/10
Condamine R at Cotswold *	15.81m	rising	05:20 AM FRI 31/12/10
Balonne R at Warkon	11.89m	rising slowly	06:00 AM FRI 31/12/10
Yuleba Ck at Yuleba Forestry *	5.91m	falling	05:40 AM FRI 31/12/10
Balonne R at Surat *	11.51m	rising	05:40 AM FRI 31/12/10
Bungil Ck at Roma	3.10m	falling	12:05 PM THU 30/12/10
Balonne R at Weribone *	12.42m	rising	05:40 AM FRI 31/12/10
Maranoa R at Old Cashmere *	5.92m	rising	05:30 AM FRI 31/12/10
Balonne R at St George *	9.32m	rising	05:30 AM FRI 31/12/10
Balonne R at Whyenbah	7.35m	falling slowly	09:00 AM THU 30/12/10
Culgoa R at Whyenbah *	6.23m	rising	05:40 AM FRI 31/12/10
Balonne R Minor at Dirranbandi	4.85m	falling slowly	06:00 AM FRI 31/12/10
Narran R at Dirranbandi-Hebel Rd *	4.72m	steady	03:00 PM THU 30/12/10
Ballandool R at Hebel-Bollon Rd *	3.26m	steady	04:00 AM FRI 31/12/10
Bokhara R at Hebel *	1.48m	rising slowly	04:00 AM FRI 31/12/10

^ unconfirmed report
* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 12:50 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system
between the Loudoun Bridge through to the St George and Dirranbandi area.

CONDAMINE RIVER - TUMMAVILLE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River
downstream from Tummaville to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak (which is highest on record) is currently downstream of the
Chinchilla Weir area. At 6am Friday, a major flood peak was recorded to 15.37
metres at Chinchilla Weir. Major flooding and rises continue downstream to
Condamine Township and Cotswold.

The river level at Condamine Township at 9am was 14.7m and rising slowly.
Further rises are expected at Condamine Township with river levels expected to
reach, and possibly exceed, 15 metres during this weekend.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues to ease along Charleys Creek, where at 8am Friday the
creek level at Chinchilla was 6.13 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. Flood levels at Surat
will exceed 12 metres during the weekend with further rises. Surat could
possibly reach near the March 2010 flood level of 12.4 metres by next Thursday
6th January 2011.

Minor to moderate flooding is easing in Dogwood, Yuleba, and Bungil Creeks, with
creek levels at Roma well below the minor flood level. Major flooding is rising
in the Balonne River between Weribone and Warroo.

MARANOA RIVER:
Moderate to major flood levels extend downstream from Mitchell between Woodlands
and Old Cashmere. River levels at Old Cashmere could reach near the 7 metre
major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next
2 weeks as upstream floodwaters arrive. An initial assessment of the peak
indicates levels of around 12 metres are expected well into January. Further
updates will be made as peaks are observed at Condamine and then Surat. River
rises and major flooding will extend downstream from St George to the NSW border

throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township	Reach, and possibly exceed, 15 metres (major) during this weekend.

Balonne River at:

Surat	Exceed 12 metres during this weekend. Possibly reach near the March 2010 flood level of 12.4 metres by Thursday 6th January.
St George	Reach 10 metres (major) during this weekend. Further rises to 12 metres expected during next two weeks.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 7pm Friday.

Latest River Heights:

Condamine R at Tummaville *	6.59m falling	09:00 AM FRI 31/12/10
Condamine R at Centenary Br	6.83m falling slowly	12:00 PM FRI 31/12/10
North Condamine R at Lone Pine *	3.49m falling	11:00 AM FRI 31/12/10
Condamine R at Loudoun Br *	7.06m falling	11:00 AM FRI 31/12/10
Myall Ck at Dalby #	0.74m steady	12:03 PM FRI 31/12/10
Condamine R at Warra-Kogan Rd Br	14.55m falling slowly	06:00 AM FRI 31/12/10
Condamine R at Chinchilla Weir TW *	15.25m falling slowly	11:40 AM FRI 31/12/10
Charleys Ck at Chinchilla *	6.13m falling slowly	08:00 AM FRI 31/12/10
Condamine R at Condamine	14.7m rising slowly	09:00 AM FRI 31/12/10
Condamine R at Cotswold *	15.95m rising	11:30 AM FRI 31/12/10
Balonne R at Warkon	11.89m at peak	09:00 AM FRI 31/12/10
Yuleba Ck at Yuleba Forestry *	4.76m falling	11:40 AM FRI 31/12/10
Balonne R at Surat *	11.68m falling	11:40 AM FRI 31/12/10
Balonne R at Weribone *	12.47m steady	11:20 AM FRI 31/12/10
Maranoa R at Old Cashmere *	6.07m rising	11:20 AM FRI 31/12/10
Balonne R at St George *	9.53m rising	11:40 AM FRI 31/12/10
Balonne R at Whyenbah	7.4m rising	09:00 AM FRI 31/12/10
Culgoa R at Whyenbah *	6.25m rising	11:10 AM FRI 31/12/10
Balonne R Minor at Dirranbandi	4.85m falling slowly	06:00 AM FRI 31/12/10
Narran R at Dirranbandi-Hebel Rd *	4.73m steady	08:00 AM FRI 31/12/10
Ballandool R at Hebel-Bollon Rd *	3.27m steady	09:10 AM FRI 31/12/10
Bokhara R at Hebel *	1.49m steady	08:00 AM FRI 31/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 7:11 PM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system between Loudoun Bridge through to the St George and Dirranbandi area. The main flood peak is now downstream of Chinchilla Weir and expected to reach Condamine Town during Sunday with record major flooding.

CONDAMINE RIVER - TUMMAVILLE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River downstream from Tummaville to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is currently downstream of the Chinchilla Weir area. At 6am Friday, a major flood peak was recorded to 15.37 metres at Chinchilla Weir. Major flooding and rises continue downstream to Condamine Township and Cotswold.

The river level at Condamine Township at 4pm Friday was 15.1m and rising slowly and is now 0.85 metres higher then the previous record flood of 1942. Further rises are expected at Condamine Township with river levels not expected to peak until Sunday.

CHARLEYS CREEK TO CHINCHILLA:
Major flooding continues to ease along Charleys Creek, where at midday Friday the creek level at Chinchilla was 6.07 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. Flood levels at Surat have exceeded 12 metres with further rises expected. Surat could possibly exceed the March 2010 flood level of 12.4 metres with the peak not expected until Thursday 6th January 2011.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak not expected in these areas until the weekend of the 8th of January.

MARANOA RIVER:
Moderate to major flood levels continue between Woodlands and Old Cashmere. River levels at Old Cashmere could reach near the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next two weeks as upstream floodwaters arrive. An initial assessment of the peak indicates levels of around 12 metres are expected well into January. Further updates will be made as peaks are observed at Condamine and then Surat. River rises and major flooding will extend downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township Continue rising at record levels. Peak during Sunday.

Balonne River at:

Surat Exceed the March 2010 flood level of

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                    12.4 metres by Thursday 6th January.

St George           Reach 10 metres (major) during this weekend.
                    Rises to 12 metres expected during the next two weeks.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 7am Saturday.

Latest River Heights:
Condamine R at Tummaville *         6.03m falling        05:00 PM FRI 31/12/10
Condamine R at Centenary Br         6.77m falling slowly 05:00 PM FRI 31/12/10
Condamine R at Loudoun Br *         6.9m falling         05:00 PM FRI 31/12/10
Condamine R at Warra-Kogan Rd Br    14.16m falling       06:00 PM FRI 31/12/10
Condamine R at Chinchilla Weir TW * 15.1m falling        05:40 PM FRI 31/12/10
Charleys Ck at Chinchilla           6.07m falling slowly 12:00 PM FRI 31/12/10
Condamine R at Condamine            15.1m rising         03:50 PM FRI 31/12/10
Condamine R at Cotswold *           16.06m steady        05:00 PM FRI 31/12/10
Balonne R at Warkon                 11.89m at peak       09:00 AM FRI 31/12/10
Yuleba Ck at Yuleba Forestry *      3.73m falling        05:40 PM FRI 31/12/10
Balonne R at Surat *                11.81m rising        05:40 PM FRI 31/12/10
Balonne R at Weribone *             12.52m rising        05:20 PM FRI 31/12/10
Maranoa R at Old Cashmere *         6.18m rising         05:40 PM FRI 31/12/10
Balonne R at St George *            9.81m rising         05:40 PM FRI 31/12/10
Balonne R at Whyenbah               7.4m rising          09:00 AM FRI 31/12/10
Culgoa R at Whyenbah *              6.27m steady         04:40 PM FRI 31/12/10
Balonne R Minor at Dirranbandi      4.84m steady         02:30 PM FRI 31/12/10
Narran R at Dirranbandi-Hebel Rd *  4.73m steady         03:00 PM FRI 31/12/10
Ballandool R at Hebel-Bollon Rd *   3.28m steady         04:30 PM FRI 31/12/10
Bokhara R at Hebel *                1.5m steady          04:00 PM FRI 31/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 7:27 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system
between Loudoun Bridge through to the St George and Dirranbandi area. The main
flood peak is now downstream of Chinchilla Weir and is expected to reach
Condamine Township during Sunday with record major flooding.

CONDAMINE RIVER - TUMMAVILLE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River
downstream from the Centenary Bridge to the Warra-Kogan Road Bridge. Minor
flooding is easing at Tummaville.
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CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is currently downstream of the Chinchilla Weir area. Major flooding and rises continue downstream to Condamine Township and the Cotswold area where levels are highest on record.

The river level at Condamine Township at 4pm Friday was 15.1m and rising slowly and was 0.85 metres higher then the previous record flood of 1942. Further rises are expected at Condamine Township with river levels not expected to peak until Sunday.

CHARLEYS CREEK TO CHINCHILLA:
Moderate to major flooding continues to ease along Charleys Creek, where at midday Friday the creek level at Chinchilla was 6.07 metres and falling slowly. Creek levels at Chinchilla are expected to continue to fall slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 6am Saturday, flood levels at Surat were 12.4 metres and steady. These levels are currently at the March 2010 record flood level. Further rises are expected as upstream floodwaters arrive in the area with a peak not expected until Thursday 6th January 2011.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak not expected in these areas until the weekend of the 8th of January.

MARANOA RIVER:
Moderate flood levels continue between Woodlands and Old Cashmere. River levels at Old Cashmere could reach near the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next two weeks as upstream floodwaters arrive. An initial assessment indicates levels higher than 12 metres. The main peak will not reach the St George area until about mid January. Further updates will be made as peaks are observed at Condamine Township and Surat. River rises and major flooding will continue downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township Continue rising at record levels. Peak during Sunday.

Balonne River at:

Surat Exceed March 2010 levels of 12.4 metres.
Peak expected by Thursday 6th January.

St George An initial assessment indicates levels higher than 12 metres.
The main peak will not reach the St George area until about mid January.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Condamine R at Tummaville *	5.25m falling	05:00 AM SAT 01/01/11
Condamine R at Centenary Br	6.6m falling slowly	05:30 AM SAT 01/01/11
Condamine R at Loudoun Br *	6.57m falling	05:00 AM SAT 01/01/11
Condamine R at Warra-Kogan Rd Br	14.16m falling	06:00 PM FRI 31/12/10
Condamine R at Chinchilla Weir TW *	14.66m falling	05:30 AM SAT 01/01/11
Charleys Ck at Chinchilla	6.07m falling slowly	12:00 PM FRI 31/12/10
Condamine R at Condamine	15.1m rising	03:50 PM FRI 31/12/10
Condamine R at Cotswold *	16.42m rising	05:30 AM SAT 01/01/11
Balonne R at Warkon	11.89m steady	06:00 AM SAT 01/01/11
Balonne R at Surat	12.4m steady	06:00 AM SAT 01/01/11
Balonne R at Weribone *	12.74m rising	05:30 AM SAT 01/01/11
Maranoa R at Old Cashmere *	6.42m rising	05:40 AM SAT 01/01/11
Balonne R at St George *	10.31m rising	05:40 AM SAT 01/01/11
Balonne R at Whyenbah	7.4m rising	09:00 AM FRI 31/12/10
Culgoa R at Whyenbah *	6.32m steady	05:10 AM SAT 01/01/11
Balonne R Minor at Dirranbandi	4.89m rising	06:00 AM SAT 01/01/11
Narran R at Dirranbandi-Hebel Rd *	4.73m steady	03:00 PM FRI 31/12/10
Ballandool R at Hebel-Bollon Rd *	3.31m steady	04:00 AM SAT 01/01/11
Bokhara R at Hebel *	1.52m steady	04:00 AM SAT 01/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 1:10 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system
between Loudoun Bridge through to the St George and Dirranbandi area. The main
flood peak is now downstream of Chinchilla Weir and is expected to reach
Condamine Township during Sunday with record major flooding.

CONDAMINE RIVER - TUMMAVILLE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River
downstream from the Centenary Bridge to the Warra-Kogan Road Bridge. Minor
flooding is easing at Tummaville.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is currently downstream of the Chinchilla Weir area. Major
flooding and rises continue downstream to Condamine Township and the Cotswold
area where levels are highest on record.

The river level at Condamine Township at 6:15am Saturday was 15.25m and rising
slowly which is about 1 metre higher then the previous record flood of 1942.
Further rises are expected at Condamine Township with river levels not expected
to peak until Sunday.

CHARLEYS CREEK TO CHINCHILLA:
Moderate to major flooding continues to ease along Charleys Creek, where at 6:15am Saturday the creek level at Chinchilla was 5.65 metres and falling slowly. Creek levels at Chinchilla are expected to continue falling slowly into next week.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 6am Saturday, flood levels at Surat were 12.4 metres and steady. These levels are currently at the March 2010 record flood level. Further rises are expected as upstream floodwaters arrive in the area with a record flood peak expected around Thursday 6th January 2011.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around the weekend of the 8th of January.

MARANOA RIVER:
Moderate flood levels continue between Woodlands and Old Cashmere. River levels at Old Cashmere could reach near the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next two weeks as upstream floodwaters arrive. An initial assessment indicates levels higher than 12 metres. The main peak will not reach the St George area until about mid January. Further updates will be made as peaks are observed at Condamine Township and Surat. River rises and major flooding will continue downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township Continue rising at record levels. Peak during Sunday.

Balonne River at:

Surat Record levels higher than 12.4 metres during this week.
Peak expected by Thursday 6th January.

St George An initial assessment indicates levels higher than 12 metres.
The main peak will not reach the St George area until about mid January.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 6pm Saturday.

Latest River Heights:

Condamine R at Tummaville *	4.81m falling	11:00 AM SAT 01/01/11
Condamine R at Centenary Br	6.6m steady	09:30 AM SAT 01/01/11
North Condamine R at Lone Pine *	2.79m falling	11:00 AM SAT 01/01/11
Oakey Ck at Fairview *	1.56m falling	11:00 AM SAT 01/01/11
Condamine R at Loudoun Br *	6.41m falling	11:00 AM SAT 01/01/11
Myall Ck at Dalby #	0.59m steady	12:03 PM SAT 01/01/11
Condamine R at Warra-Kogan Rd Br	13.7m falling	06:00 AM SAT 01/01/11
Condamine R at Chinchilla Weir TW *	14.42m steady	11:40 AM SAT 01/01/11
Charleys Ck at Chinchilla	5.65m falling slowly	09:00 AM SAT 01/01/11
Condamine R at Condamine	15.25m rising slowly	06:15 AM SAT 01/01/11

Condamine R at Cotswold *	16.71m rising	11:20 AM SAT 01/01/11
Balonne R at Warkon	11.89m steady	09:00 AM SAT 01/01/11
Yuleba Ck at Yuleba Forestry *	2.66m falling	11:40 AM SAT 01/01/11
Balonne R at Surat	12.4m rising	06:00 AM SAT 01/01/11
Balonne R at Weribone *	12.89m rising	11:20 AM SAT 01/01/11
Maranoa R at Old Cashmere *	6.54m rising	11:30 AM SAT 01/01/11
Balonne R at St George *	10.51m rising	11:40 AM SAT 01/01/11
Balonne R at Whyenbah	7.6m rising	09:00 AM SAT 01/01/11
Culgoa R at Whyenbah *	6.35m rising	10:50 AM SAT 01/01/11
Balonne R Minor at Dirranbandi	4.89m rising	06:00 AM SAT 01/01/11
Narran R at Dirranbandi-Hebel Rd *	4.74m steady	08:00 AM SAT 01/01/11
Ballandool R at Hebel-Bollon Rd *	3.32m steady	10:20 AM SAT 01/01/11
Bokhara R at Hebel *	1.53m steady	08:40 AM SAT 01/01/11

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 6:19 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends downstream along the Condamine and Balonne River system between Loudoun Bridge through to the St George and Dirranbandi area. The main flood peak is now in the Condamine Town area causing record major flooding. This peak should reach the Surat area by Wednesday 5th January with record flood levels expected.

CONDAMINE RIVER - CENTENARY BRIDGE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River downstream from the Centenary Bridge to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is currently approaching the Condamine Town area. The river level at Condamine Township at 2pm Saturday was 15.2m and steady with levels expected to remain steady overnight Saturday.

Rises and record major flooding will extend downstream to Cotswold and Surat during next week.

CHARLEYS CREEK TO CHINCHILLA:
Moderate flooding continues to ease along Charleys Creek, where at 5.30pm Saturday the creek level at Chinchilla was 5.4 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 2pm Saturday, flood levels at Surat were 12.45 metres and rising at record flood levels. Levels over

13 metres are possible at Surat during next week with the peak not expected until around Wednesday, 5th January 2011.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around the weekend of the 8th of January.

MARANOA RIVER:
Moderate flood levels continue between Woodlands and Old Cashmere. River levels at Old Cashmere could reach near the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At St George, river rises and major flooding will continue for at least the next two weeks as upstream floodwaters arrive. At 3pm Saturday the level at St George was 10.84 metres and rising causing major flooding. Further rises are expected with levels above 12 metres possible late next week and higher levels expected in the second week of January.

Further updates will be made as peaks are observed at Condamine Township and Surat.

River rises and major flooding will continue downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township	Remain steady overnight.

Balonne River at:

Surat	Levels over 13 metres are possible with the peak expected by Wednesday 5th January.
St George	Exceed 12 metres later next week Higher levels in the second week of January.

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:

Condamine R at Centenary Br	6.45m falling slowly	02:45 PM SAT 01/01/11
North Condamine R at Lone Pine *	2.65m falling	05:00 PM SAT 01/01/11
Oakey Ck at Fairview *	1.45m falling	05:00 PM SAT 01/01/11
Condamine R at Loudoun Br *	6.27m falling	05:00 PM SAT 01/01/11
Myall Ck at Dalby #	0.59m steady	06:03 PM SAT 01/01/11
Condamine R at Warra-Kogan Rd Br	13.7m falling	06:00 AM SAT 01/01/11
Condamine R at Chinchilla Weir TW *	14.16m falling	05:30 PM SAT 01/01/11
Charleys Ck at Chinchilla	5.4m falling	05:30 PM SAT 01/01/11
Condamine R at Condamine	15.2m falling slowly	02:00 PM SAT 01/01/11
Condamine R at Cotswold *	17.05m rising	05:30 PM SAT 01/01/11
Balonne R at Warkon	11.89m steady	09:00 AM SAT 01/01/11
Yuleba Ck at Yuleba Forestry *	2.54m falling	05:20 PM SAT 01/01/11
Balonne R at Surat *	11.92m falling	05:40 PM SAT 01/01/11
Balonne R at Weribone *	13.03m steady	05:20 PM SAT 01/01/11
Maranoa R at Old Cashmere *	6.65m steady	05:10 PM SAT 01/01/11
Balonne R at St George *	10.67m steady	05:00 PM SAT 01/01/11
Balonne R at Whyenbah	7.6m rising	09:00 AM SAT 01/01/11

Culgoa R at Whyenbah *	6.36m steady	04:00 PM SAT 01/01/11
Balonne R Minor at Dirranbandi	4.94m rising	03:00 PM SAT 01/01/11
Narran R at Dirranbandi-Hebel Rd *	4.74m steady	03:00 PM SAT 01/01/11
Ballandool R at Hebel-Bollon Rd *	3.32m steady	04:00 PM SAT 01/01/11
Bokhara R at Hebel *	1.54m steady	04:00 PM SAT 01/01/11

* automatic

Warnings and River Height Bulletins are available at
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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 9:11 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Based on record flood levels upstream at Condamine Town and Surat, faster river rises are now expected downstream at Beardmore Dam and St George during the next few days. St George is now expected to reach 12 metres during Monday and 13 metres during Thursday with further rises.

Major flooding extends along the Condamine and Balonne River system between Loudoun Bridge through to the St George and Dirranbandi area. The main flood peak is now downstream of the Condamine Town area causing record major flooding. This peak should reach the Surat area by Tuesday 4th January with record flood levels expected.

CONDAMINE RIVER - CENTENARY BRIDGE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River downstream from the Centenary Bridge to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is currently downstream of the Condamine Town area. The river level at Condamine Township at 2pm Saturday was 15.2m and falling slowly with levels expected to remain steady overnight Saturday.

Rises and record major flooding will extend downstream to Cotswold and Surat during the weekend and next week.

CHARLEYS CREEK TO CHINCHILLA:
Moderate flooding continues to ease along Charleys Creek, where at 5.30pm Saturday the creek level at Chinchilla was 5.4 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 6pm Saturday, flood levels at Surat were 12.45 metres and steady at record flood levels. Further rises to levels over 13 metres are possible at Surat with the peak now expected overnight Monday and into Tuesday.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Wednesday 5th January.

MARANOA RIVER:
Moderate flood levels continue between Woodlands and Old Cashmere. River levels at Old Cashmere could reach near the 7 metre major flood level during the weekend.

BALONNE RIVER - ST GEORGE TO NSW BORDER:

The Balonne River at St George is now expected to reach 12 metres during Monday and 13 metres during Thursday with further rises. At 9pm Saturday the level at St George was 11.0 metres and rising causing major flooding. The peak is not expected in St George until the weekend of the 8th/9th January. Predictions of the peak above 13 metres will be given when upstream peaks are recorded.

River rises and major flooding will continue downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township	Remain steady overnight around 15 metres.

Balonne River at:

Surat	Levels over 13 metres are possible with the peak expected by Tuesday 4th January.
St George	Reach 12 metres during Monday 3rd January Reach 13 metres during Thursday 6th with further rises Peak higher than 13 metres during the weekend 8th/9th January

Predictions will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8am Sunday.

Latest River Heights:

Condamine R at Tummaville *	4.12m falling	07:00 PM SAT 01/01/11
Condamine R at Centenary Br	6.4m falling slowly	06:00 PM SAT 01/01/11
North Condamine R at Lone Pine *	2.63m falling	06:00 PM SAT 01/01/11
Oakey Ck at Fairview *	1.41m falling	07:00 PM SAT 01/01/11
Condamine R at Loudoun Br *	6.22m falling	07:00 PM SAT 01/01/11
Myall Ck at Dalby #	0.54m falling	07:53 PM SAT 01/01/11
Condamine R at Warra-Kogan Rd Br	13.7m falling	06:00 AM SAT 01/01/11
Condamine R at Chinchilla Weir TW *	14.16m falling	05:30 PM SAT 01/01/11
Charleys Ck at Chinchilla	5.4m falling	05:30 PM SAT 01/01/11
Condamine R at Condamine	15.2m falling slowly	02:00 PM SAT 01/01/11
Condamine R at Cotswold *	17.05m rising	05:30 PM SAT 01/01/11
Balonne R at Warkon	11.89m steady	09:00 AM SAT 01/01/11
Yuleba Ck at Yuleba Forestry *	2.54m falling	05:20 PM SAT 01/01/11
Balonne R at Surat	12.45m steady	06:00 PM SAT 01/01/11
Balonne R at Weribone *	13.03m steady	05:20 PM SAT 01/01/11
Maranoa R at Old Cashmere *	6.65m steady	05:10 PM SAT 01/01/11
Balonne R at St George *	10.67m steady	05:00 PM SAT 01/01/11
Balonne R at Whyenbah	7.6m rising	09:00 AM SAT 01/01/11
Culgoa R at Whyenbah *	6.36m steady	04:00 PM SAT 01/01/11
Balonne R Minor at Dirranbandi	4.94m rising	03:00 PM SAT 01/01/11
Narran R at Dirranbandi-Hebel Rd *	4.74m steady	03:00 PM SAT 01/01/11

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Ballandool R at Hebel-Bollon Rd *   3.32m steady         04:00 PM SAT 01/01/11
Bokhara R at Hebel *                1.54m steady         04:00 PM SAT 01/01/11

* automatic station


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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 8:28 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Based on record flood levels upstream at Condamine Town and Surat, further river
rises are expected downstream to Beardmore Dam and St George during the next few
days. St George is expected to reach 12 metres during Monday and 13 metres
during Thursday with further rises.

Major flooding extends along the Condamine and Balonne River system between
Loudoun Bridge through to the St George and Dirranbandi area. The main flood
peak is now approaching the Cotswold area causing record major flooding. This
peak should reach the Surat area by Tuesday 4th January.

CONDAMINE RIVER - CENTENARY BRIDGE TO WARRA-KOGAN ROAD BRIDGE:
Moderate to major flooding continues to ease along the Condamine River
downstream from the Centenary Bridge to the Warra-Kogan Road Bridge.

CONDAMINE RIVER - BRIGALOW BRIDGE TO COTSWOLD:
The main flood peak is currently downstream of the Condamine Town area. The
river level at Condamine Township at 2pm Saturday was 15.2m falling with levels
expected to continue falling this week.

Record major flood levels are expected to peak in the Cotswold area today.

CHARLEYS CREEK TO CHINCHILLA:
Moderate flooding continues to ease along Charleys Creek, where at 6am Sunday
the creek level at Chinchilla was 5.2 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 6am Sunday, flood
levels at Surat were 12.45 metres and steady at record flood levels. Surat is
expected to peak on Tuesday with levels possibly higher than 13 metres.

Moderate to major flooding is rising in the Balonne River between Weribone and
Warroo with the main peak expected in these areas around Wednesday and Friday
respectively.

MARANOA RIVER:
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Moderate flood levels continue to slowly rise in the Old Cashmere area.

BALONNE RIVER - ST GEORGE TO NSW BORDER:

The Balonne River at St George is expected to reach 12 metres during Monday and 13 metres during Thursday with further rises. At 6am Sunday, major flood leves at St George was 11.25 metres and rising. A peak higher than 13 metres is expected to reach St George during the weekend of the 8th/9th January. Predictions of the St George peak will be given when upstream peaks are recorded.

River rises and high level major flooding in the Balonne River system, including the Bokhara, Culgoa, Balonne Minor, Narran Rivers and Ballandool Creek, will continue downstream from St George to the NSW border throughout January.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township	Continue falling slowly during this week.

Balonne River at:

Surat	Levels higher than 13 metres are possible with the peak expected by Tuesday 4th January.
St George	Reach 12 metres during Monday 3rd January Reach 13 metres during Thursday 6th with further rises Peak higher than 13 metres during the weekend 8th/9th January

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 4pm Sunday.

Latest River Heights:

Condamine R at Loudoun Br *	5.97m falling	05:00 AM SUN 02/01/11
Condamine R at Warra-Kogan Rd Br	13.14m falling slowly	06:00 PM SAT 01/01/11
Condamine R at Chinchilla Weir TW *	13.65m falling	05:40 AM SUN 02/01/11
Charleys Ck at Chinchilla	5.2m falling slowly	06:00 AM SUN 02/01/11
Condamine R at Condamine	15.2m falling slowly	02:00 PM SAT 01/01/11
Condamine R at Cotswold *	17.57m rising	05:30 AM SUN 02/01/11
Balonne R at Warkon	11.89m steady	06:00 AM SUN 02/01/11
Balonne R at Surat (manual)	12.45m rising	06:00 AM SUN 02/01/11
Balonne R at Weribone *	13.15m rising	05:10 AM SUN 02/01/11
Maranoa R at Old Cashmere *	6.78m rising	05:00 AM SUN 02/01/11
Balonne R at St George *	11.02m rising	05:30 AM SUN 02/01/11
Balonne R at Whyenbah	7.6m rising	09:00 AM SAT 01/01/11
Culgoa R at Whyenbah *	6.39m rising	04:00 AM SUN 02/01/11
Balonne R Minor at Dirranbandi	5.02m rising	06:00 AM SUN 02/01/11
Narran R at Dirranbandi-Hebel Rd *	4.74m steady	03:00 PM SAT 01/01/11
Ballandool R at Hebel-Bollon Rd *	3.35m steady	04:40 AM SUN 02/01/11
Bokhara R at Hebel *	1.56m steady	04:00 AM SUN 02/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 3:40 PM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Loudoun Bridge and through to the St George and Dirranbandi area. The main flood peak is now approaching the Cotswold area causing record major flooding. This peak should reach the Surat area by Tuesday.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 12 metres during Monday and 13 metres during Thursday with further rises.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from the Loudoun Bridge to Condamine Township.

The river level at Condamine Township at 10am Sunday was 14.98m and falling with levels expected to continue falling this week.

The main flood peak is now approaching the Cotswold Area where record major flood levels are expected to peak during today.

CHARLEYS CREEK TO CHINCHILLA:
Moderate flooding continues to ease along Charleys Creek, where at 6am Sunday the creek level at Chinchilla was 5.2 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 11am Sunday, flood levels at Surat were 12.45 metres and steady at record flood levels. Surat is expected to peak on Tuesday with levels possibly higher than 13 metres.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Wednesday and Friday respectively.

MARANOA RIVER:
Moderate flood levels continue to slowly rise in the Old Cashmere area.

BALONNE RIVER - ST GEORGE TO NSW BORDER:

The Balonne River at St George is expected to reach 12 metres during Monday and 13 metres during Thursday with further rises. At 3pm Sunday, the Balonne River at St George was 11.55 metres and rising with major flooding. A peak higher than 13 metres is expected to reach St George during the weekend of the 8th/9th January. Predictions of the St George peak will be given when upstream peaks are recorded.

River rises and high level major flooding is expected in the Balonne River system dowsnstream from St George to the NSW border thoughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township Continue falling slowly during this week.

Balonne River at:

Surat Levels higher than 13 metres are possible with the peak expected by Tuesday 4/1/2011

St George Reach 12 metres during Monday 3/1/2011
Reach 13 metres during Thursday 6/1/2011
Peak higher than 13 metres during the weekend starting 8/1/2011

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8am Monday.

Latest River Heights:

Condamine R at Centenary Br	6.1m falling	05:20 AM SUN 02/01/11
North Condamine R at Lone Pine *	2.45m falling	02:00 PM SUN 02/01/11
Condamine R at Loudoun Br *	5.76m falling	02:00 PM SUN 02/01/11
Condamine R at Warra-Kogan Rd Br	12.5m falling slowly	06:00 AM SUN 02/01/11
Condamine R at Chinchilla Weir TW *	13.3m falling	02:30 PM SUN 02/01/11
Charleys Ck at Chinchilla	5.2m falling slowly	06:00 AM SUN 02/01/11
Condamine R at Condamine	14.98m falling slowly	10:00 AM SUN 02/01/11
Condamine R at Cotswold *	17.76m steady	02:00 PM SUN 02/01/11
Balonne R at Warkon	11.92m rising slowly	01:00 PM SUN 02/01/11
Balonne R at Surat	12.45m steady	02:40 PM SUN 02/01/11
Balonne R at Weribone *	13.14m falling	02:50 PM SUN 02/01/11
Maranoa R at Old Cashmere *	6.78m rising	02:40 PM SUN 02/01/11
Balonne R at St George *	11.29m rising	02:20 PM SUN 02/01/11
Balonne R at Whyenbah	7.75m rising	09:00 AM SUN 02/01/11
Culgoa R at Whyenbah *	6.41m steady	12:00 PM SUN 02/01/11
Balonne R Minor at Dirranbandi	5.02m rising	06:00 AM SUN 02/01/11
Narran R at Dirranbandi-Hebel Rd *	4.74m steady	03:00 PM SUN 02/01/11
Ballandool R at Hebel-Bollon Rd *	3.36m steady	12:00 PM SUN 02/01/11
Bokhara R at Hebel *	1.59m rising	02:30 PM SUN 02/01/11

* automatic

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology

Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 8:27 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak is now approaching the Cotswold area causing record major flooding. This peak should reach the Surat area on Tuesday.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres during Thursday with further rises. A peak similar to or higher than the March 2010 flood level (13.39 metres) is expected at St George during the weekend of the 8th/9th January.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from the Loudoun Bridge to Condamine Township.

The river level at Condamine Township at 5pm Sunday was 14.75m and falling with levels expected to continue falling this week.

The main flood peak is now approaching the Cotswold Area where record major flood levels are expected to peak during Monday.

CHARLEYS CREEK TO CHINCHILLA:
Minor flooding continues to ease along Charleys Creek, where at 6am Monday the creek level at Chinchilla was 4.8 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River. At 6am Monday, flood levels at Surat were 12.6 metres and rising at record flood levels. Surat is expected to peak on Tuesday with levels possibly higher than 13 metres.

Moderate to major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Wednesday and Friday respectively.

MARANOA RIVER:
Moderate flood levels are falling in the Old Cashmere area.

BALONNE RIVER - ST GEORGE TO NSW BORDER:

The Balonne River at St George is expected to reach 12 metres today and 13 metres during Thursday with further rises. At 6am Monday, the Balonne River at St George was 11.86 metres and rising with major flooding. A peak similar to or higher than the March 2010 flood level (13.39 metres) is expected at St George during the weekend of the 8th/9th January. Predictions of the St George peak will be updated when upstream peaks are recorded.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township Continue falling slowly during this week.

Balonne River at:

Surat — Levels higher than 13 metres are possible with the peak expected on Tuesday 4/1/2011

St George — Reach 12 metres during Monday 3/1/2011
Reach 13 metres by Thursday 6/1/2011
Peak similar to or higher than the March 2010 flood during the weekend starting 8/1/2011

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 4pm Monday.

Latest River Heights:

Condamine R at Tummaville *	2.36m falling	05:00 AM MON 03/01/11
Condamine R at Centenary Br	4.65m falling	06:00 AM MON 03/01/11
North Condamine R at Lone Pine *	2.5m steady	05:00 AM MON 03/01/11
Condamine R at Loudoun Br *	5.43m falling	05:00 AM MON 03/01/11
Myall Ck at Dalby #	0.49m steady	06:03 AM MON 03/01/11
Condamine R at Warra-Kogan Rd Br	11.93m falling slowly	06:00 PM SUN 02/01/11
Condamine R at Chinchilla Weir TW *	12.78m falling	05:40 AM MON 03/01/11
Charleys Ck at Chinchilla	4.8m falling	06:00 AM MON 03/01/11
Condamine R at Condamine	14.75m falling	04:45 PM SUN 02/01/11
Condamine R at Cotswold *	17.78m steady	05:00 PM SUN 02/01/11
Balonne R at Warkon	11.99m rising slowly	09:00 PM SUN 02/01/11
Yuleba Ck at Yuleba Forestry *	2.17m steady	02:00 AM MON 03/01/11
Balonne R at Surat *	12.11m rising	05:40 AM MON 03/01/11
Balonne R at Surat	12.6m rising slowly	06:00 AM MON 03/01/11
Balonne R at Weribone *	13.15m rising	05:40 AM MON 03/01/11
Balonne R at Warroo	13.75m rising	06:00 AM MON 03/01/11
Maranoa R at Old Cashmere *	6.44m falling	05:40 AM MON 03/01/11
Balonne R at St George	11.86m rising	06:00 AM MON 03/01/11
Balonne R at St George *	11.59m rising	05:30 AM MON 03/01/11
Balonne R at Whyenbah	7.75m rising	09:00 AM SUN 02/01/11
Culgoa R at Whyenbah *	6.44m steady	04:00 AM MON 03/01/11
Balonne R Minor at Dirranbandi	5.13m rising	06:00 AM MON 03/01/11
Narran R at Dirranbandi-Hebel Rd *	4.74m steady	03:00 PM SUN 02/01/11
Ballandool R at Hebel-Bollon Rd *	3.4m steady	04:30 AM MON 03/01/11
Bokhara R at Hebel *	1.61m steady	04:00 AM MON 03/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
Issued at 4:21 PM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak is currently in the Balonne River in the Warkon area causing record major flooding. This peak should reach the Surat area on Tuesday.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres during Thursday with further rises. A peak similar to or higher than the March 2010 flood level (13.39 metres) is expected at St George during the weekend of the 8th/9th January.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold.

The river level at Condamine Township at 3:40pm Monday was 14.18m and falling with major flood levels expected to continue falling this week.

CHARLEYS CREEK TO CHINCHILLA:
Minor flooding continues to ease along Charleys Creek, where at 6am Monday the creek level at Chinchilla was 4.8 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River, with the flood peak currently approaching the Warkon area. At 10am Monday, flood levels at Surat were 12.6 metres and slowly rising at record flood levels. Surat is expected to peak on Tuesday with levels possibly higher than 13 metres.

Major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Wednesday and Friday respectively.

MARANOA RIVER:
Moderate flooding continues to ease in the Old Cashmere area.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
The Balonne River at St George is expected to reach 13 metres by Thursday with further rises. At 3pm Monday, the Balonne River at St George was 12.03 metres and rising with major flooding. A peak similar to or higher than the March 2010 flood level (13.39 metres) is expected at St George during the weekend of the 8th/9th January. Predictions of the St George peak will be updated when upstream peaks are recorded.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Condamine River at:

Condamine Township	Continue falling slowly during this week.

Balonne River at:

Surat	Levels higher than 13 metres are possible with the peak expected on Tuesday 4/1/2011.

St George Reach 13 metres by Thursday 6/1/2011.
Peak similar to or higher than the March 2010 flood during the weekend starting 8/1/2011.

Predictions will be updated when upstream peaks have been observed.

Weather Forecast:
An afternoon shower or two and a possible thunderstorm.

Next Issue:
The next warning will be issued at about 8am Tuesday.

Latest River Heights:

Condamine R at Loudoun Br *	5.24m falling	02:00 PM MON 03/01/11
Condamine R at Warra-Kogan Rd Br	11.4m falling slowly	06:00 AM MON 03/01/11
Condamine R at Chinchilla Weir TW *	12.56m falling	02:30 PM MON 03/01/11
Charleys Ck at Chinchilla	4.8m falling	06:00 AM MON 03/01/11
Condamine R at Condamine	14.18m falling	03:40 PM MON 03/01/11
Condamine R at Cotswold *	NA	
Balonne R at Warkon	12.03m rising slowly	07:00 AM MON 03/01/11
Balonne R at Surat * (auto)	12.17m rising slowly	02:30 PM MON 03/01/11
Balonne R at Surat (manual)	12.65m rising	04:15 PM MON 03/01/11
Balonne R at Weribone *	13.2m rising slowly	02:10 PM MON 03/01/11
Balonne R at Warroo	13.9m rising	12:00 PM MON 03/01/11
Maranoa R at Old Cashmere *	6.36m falling	08:00 AM MON 03/01/11
Balonne R at St George (manual)	12.03m rising	03:00 PM MON 03/01/11
Balonne R at St George * (auto)	11.71m rising	02:30 PM MON 03/01/11
Balonne R at Whyenbah	7.9m rising	09:00 AM MON 03/01/11
Culgoa R at Whyenbah *	6.45m steady	08:00 AM MON 03/01/11
Culgoa R at Woolerbilla *	NA	
Briarie Ck Hebel-Woolerbilla Rd *	NA	
Balonne R Minor at Dirranbandi	5.15m rising	03:30 PM MON 03/01/11
Narran R at Dirranbandi-Hebel Rd *	4.75m steady	03:00 PM MON 03/01/11
Ballandool R at Hebel-Bollon Rd *	3.42m rising	02:00 PM MON 03/01/11
Bokhara R at Hebel *	1.63m rising	02:30 PM MON 03/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 8:27 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood

peak is currently in the Surat area causing record major flooding.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres on Thursday with further rises. A peak possibly higher than 14 metres is expected on Monday or Tuesday at St George causing major flooding.

Further significant rainfall is forecast for Wednesday and Thursday which may affect flood levels and peak predictions throughout the Condamine/Balonne catchments.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold. The river level at Condamine Township at 6am Tuesday was 13.7m and falling with major flood levels expected to continue falling this week.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently approaching the Surat area. At 6am Tuesday, flood levels at Surat were 12.75 metres and near a record flood peak.

Major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Thursday and Saturday respectively.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Tuesday, the Balonne River at St George was 12.18 metres and rising with major flooding.

A peak possibly higher than 14 metres is expected on Monday or Tuesday at St George causing major flooding. This is about 0.6 metres higher than the March 2010 peak flood level. Further significant rainfall is forecast for Wednesday and Thursday which may affect these predictions. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual) Peak around the current level of 12.8 metres today.

St George (manual) Reach 13 metres on Thursday 6 Jan;
Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan;
Reach 14 metres on Sunday 9 Jan;
Peak possibly higher than 14 metres on Monday 10 Jan or Tuesday 11 Jan.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 2pm Tuesday.

Latest River Heights:

Condamine R at Loudoun Br *	5.05m steady	05:00 AM TUE 04/01/11
Condamine R at Warra-Kogan Rd Br	10.91m falling slowly	06:00 PM MON 03/01/11
Condamine R at Chinchilla Weir TW *	12.22m falling	06:00 AM TUE 04/01/11

Condamine R at Condamine	13.7m falling slowly	06:00 AM TUE 04/01/11
Balonne R at Warkon	11.97m falling slowly	06:00 AM TUE 04/01/11
Balonne R at Surat * (auto)	12.23m rising slowly	06:10 AM TUE 04/01/11
Balonne R at Surat (manual)	12.75m rising slowly	05:45 AM TUE 04/01/11
Balonne R at Weribone *	13.41m rising	06:00 AM TUE 04/01/11
Balonne R at Warroo	14.25m rising	06:00 AM TUE 04/01/11
Maranoa R at Old Cashmere *	5.2m falling	05:30 AM TUE 04/01/11
Balonne R at St George (manual)	12.18m rising	06:00 AM TUE 04/01/11
Balonne R at St George * (auto)	11.84m falling	05:40 AM TUE 04/01/11
Balonne R at Whyenbah (manual)	7.9m rising	09:00 AM MON 03/01/11
Culgoa R at Whyenbah * (auto)	6.45m rising	08:00 AM MON 03/01/11
Balonne R Minor at Dirranbandi	5.19m rising	06:00 AM TUE 04/01/11
Narran R at Dirranbandi-Hebel Rd *	4.75m steady	03:00 PM MON 03/01/11
Ballandool R at Hebel-Bollon Rd *	3.46m steady	04:00 AM TUE 04/01/11
Bokhara R at Hebel *	1.66m steady	04:00 AM TUE 04/01/11

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 1:48 PM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak is currently in the Surat area causing record major flooding.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres on Thursday with further rises. A peak possibly higher than 14 metres is expected on Monday or Tuesday at St George causing major flooding.

Further significant rainfall is forecast for Wednesday and Thursday which may affect flood levels and peak predictions throughout the Condamine/Balonne catchments.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold. The river level at Condamine Township at 6am Tuesday was 13.7m and falling with major flood levels expected to continue falling this week.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently approaching the Surat area. At 6am Tuesday, flood levels at Surat were

12.75 metres and near a record flood peak.

Major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Thursday and Saturday respectively.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At noon Tuesday, the Balonne River at St George was 12.22 metres and rising with major flooding.

A peak possibly higher than 14 metres is expected on Monday or Tuesday at St George causing major flooding. This is about 0.6 metres higher than the March 2010 peak flood level. Further significant rainfall is forecast for Wednesday and Thursday which may affect these predictions. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual) Peak around the current level of 12.8 metres today.

St George (manual) Reach 13 metres on Thursday 6 Jan;
Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan;
Reach 14 metres on Sunday 9 Jan;
Peak possibly higher than 14 metres on Monday 10 Jan
or Tuesday 11 Jan.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 7:30pm Tuesday.

Latest River Heights:

Condamine R at Loudoun Br *	4.94m falling	12:00 PM TUE 04/01/11
Myall Ck at Dalby #	0.59m steady	12:03 PM TUE 04/01/11
Condamine R at Warra-Kogan Rd Br	10.4m falling slowly	06:00 AM TUE 04/01/11
Condamine R at Chinchilla Weir TW *	12.07m falling	11:40 AM TUE 04/01/11
Condamine R at Condamine	13.7m falling slowly	06:00 AM TUE 04/01/11
Balonne R at Warkon	11.95m falling slowly	09:00 AM TUE 04/01/11
Yuleba Ck at Yuleba Forestry *	2.81m falling	11:50 AM TUE 04/01/11
Balonne R at Surat * (auto)	12.3m rising	11:40 AM TUE 04/01/11
Balonne R at Surat (manual)	12.75m rising slowly	05:45 AM TUE 04/01/11
Balonne R at Weribone *	13.45m rising	11:30 AM TUE 04/01/11
Balonne R at Warroo	14.37m rising slowly	10:00 AM TUE 04/01/11
Maranoa R at Old Cashmere *	4.78m falling	11:40 AM TUE 04/01/11
Balonne R at St George (manual)	12.22m rising	12:00 PM TUE 04/01/11
Balonne R at St George * (auto)	11.9m rising	11:40 AM TUE 04/01/11
Balonne R at Whyenbah	7.96m rising	09:00 AM TUE 04/01/11
Balonne R Minor at Dirranbandi	5.19m rising	06:00 AM TUE 04/01/11
Narran R at Dirranbandi-Hebel Rd *	4.75m steady	08:00 AM TUE 04/01/11
Ballandool R at Hebel-Bollon Rd *	3.47m steady	08:00 AM TUE 04/01/11
Bokhara R at Hebel *	1.66m steady	08:00 AM TUE 04/01/11

*automatic station

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:04 PM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak currently remains in the Surat area causing record major flooding.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres on Thursday with further rises. A major flood peak possibly higher than 14 metres is expected at St George on Monday or Tuesday of next week.

Further significant rainfall is forecast for Wednesday and Thursday which may affect flood levels and peak predictions throughout the Condamine/Balonne catchments.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold. The river level at Condamine Township at midday Tuesday was 13.45 metres and falling with major flood levels expected to continue falling this week.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently in the Surat area. At 3pm Tuesday, record flood levels at Surat were steady at 12.75 metres, which is about 0.35 metres higher than the March 2010 peak flood level.

Major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Thursday and Saturday respectively.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6pm Tuesday, the Balonne River at St George was 12.28 metres and rising slowly with major flooding.

A peak possibly higher than 14 metres is expected on Monday or Tuesday of next week at St George causing major flooding. This is about 0.6 metres higher than the March 2010 peak flood level. Further significant rainfall is forecast for Wednesday and Thursday which may affect these predictions. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool

Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual) Remain around the major flood peak overnight.

St George (manual) Reach 13 metres on Thursday 6 Jan;
Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan;
Reach 14 metres on Sunday 9 Jan;
Peak possibly higher than 14 metres on Monday 10 Jan or
Tuesday 11 Jan.

Predictions will be updated when upstream peaks have been observed.

Weather Forecast:
Isolated showers and thunderstorms.

Next Issue:
The next warning will be issued by 7:30am Wednesday.

Latest River Heights:

Condamine R at Loudoun Br *	4.86m falling	05:00 PM TUE 04/01/11
Condamine R at Warra-Kogan Rd Br	10.4m falling slowly	06:00 AM TUE 04/01/11
Condamine R at Chinchilla Weir TW *	11.96m falling	05:10 PM TUE 04/01/11
Charleys Ck at Chinchilla	4.8m falling	06:00 AM TUE 04/01/11
Condamine R at Condamine	13.45m falling slowly	12:00 PM TUE 04/01/11
Condamine R at Cotswold *	NA	
Balonne R at Warkon	11.95m falling slowly	09:00 AM TUE 04/01/11
Balonne R at Surat * (auto)	12.2m falling	05:40 PM TUE 04/01/11
Balonne R at Surat (manual)	12.75m steady	03:00 PM TUE 04/01/11
Balonne R at Weribone *	13.48m falling	05:10 PM TUE 04/01/11
Balonne R at Warroo	14.45m rising slowly	06:00 PM TUE 04/01/11
Maranoa R at Old Cashmere *	4.47m falling	05:30 PM TUE 04/01/11
Balonne R at St George (manual)	12.28m rising	06:00 PM TUE 04/01/11
Balonne R at St George * (auto)	11.94m rising	05:30 PM TUE 04/01/11
Balonne R at Whyenbah	7.96m rising	09:00 AM TUE 04/01/11
Balonne R Minor at Dirranbandi	5.2m rising	03:30 PM TUE 04/01/11
Narran R at Dirranbandi-Hebel Rd *	4.75m steady	03:00 PM TUE 04/01/11
Ballandool R at Hebel-Bollon Rd *	3.49m rising	04:30 PM TUE 04/01/11
Bokhara R at Hebel *	1.68m steady	04:00 PM TUE 04/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM

Issued at 6:52 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak is now downstream of Surat.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres on Thursday with further rises. A major flood peak possibly higher than 14 metres is expected at St George on Monday or Tuesday of next week.

Further significant rainfall is forecast for today and Thursday which may affect flood levels and peak predictions throughout the Condamine/Balonne catchments.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from the Brigalow area through to Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently in the Surat area. At 10pm Tuesday, record flood levels at Surat were steady at 12.75 metres, which is about 0.35 metres higher than the March 2010 peak flood level.

Major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Thursday and Saturday respectively.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Wednesday, the Balonne River at St George was 12.3 metres and rising slowly with major flooding.

A peak possibly higher than 14 metres is expected on Monday or Tuesday of next week at St George causing major flooding. This is about 0.6 metres higher than the March 2010 peak flood level. Further significant rainfall is forecast for today and Thursday which may affect these predictions. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual)	Remain around the major flood peak overnight.
St George (manual)	Reach 13 metres on Thursday 6 Jan; Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan; Reach 14 metres on Sunday 9 Jan; Peak possibly higher than 14 metres on Monday 10 Jan or Tuesday 11 Jan.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 2pm Wednesday.

Latest River Heights:
Condamine R at Loudoun Br * 4.8m falling 11:00 PM TUE 04/01/11

Myall Ck at Dalby #	0.64m steady	06:03 AM WED 05/01/11
Condamine R at Warra-Kogan Rd Br	9.95m falling slowly	06:00 PM TUE 04/01/11
Condamine R at Chinchilla Weir TW *	11.81m falling	11:40 PM TUE 04/01/11
Condamine R at Condamine	13.45m falling slowly	12:00 PM TUE 04/01/11
Balonne R at Warkon	11.8m falling slowly	06:00 AM WED 05/01/11
Balonne R at Surat * (auto)	12.17m falling	11:40 PM TUE 04/01/11
Balonne R at Surat (manual)	12.75m steady	10:00 PM TUE 04/01/11
Balonne R at Weribone *	13.49m rising	11:40 PM TUE 04/01/11
Balonne R at Warroo	14.64m rising slowly	06:00 AM WED 05/01/11
Maranoa R at Old Cashmere *	4.05m falling	05:20 AM WED 05/01/11
Balonne R at St George (manual)	12.3m rising	06:00 AM WED 05/01/11
Balonne R at St George * (auto)	11.96m rising	11:40 PM TUE 04/01/11
Balonne R at Whyenbah	7.96m rising	09:00 AM TUE 04/01/11
Balonne R Minor at Dirranbandi	5.21m rising slowly	06:00 AM WED 05/01/11
Narran R at Dirranbandi-Hebel Rd *	4.75m steady	03:00 PM TUE 04/01/11
Ballandool R at Hebel-Bollon Rd *	3.53m steady	04:00 AM WED 05/01/11
Bokhara R at Hebel *	1.7m rising	11:30 PM TUE 04/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 2:11 PM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between
Brigalow Bridge through to the St George and Dirranbandi area. The main flood
peak is currently downstream of Surat.

Major flood levels continue to rise on the Balonne River at St George. St George
is expected to reach 13 metres on Thursday with further rises. A major flood
peak possibly higher than 14 metres is expected at St George on Monday or
Tuesday of next week.

Further significant rainfall is forecast for today and Thursday which may affect
flood levels and peak predictions throughout the Condamine/Balonne catchments.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to ease along the Condamine River downstream from the
Brigalow area through to Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak
currently downstream from Surat. At 6am Wednesday, the river level at Surat was
at 12.65 metres and falling slowly. Major flooding will continue to slowly ease

over the weekend and into next week.

Major flooding is rising in the Balonne River between Weribone and Warroo with the main peak expected in these areas around Thursday and Saturday respectively.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At midday Wednesday, the Balonne River at St George was 12.38 metres and rising slowly with major flooding.

A peak possibly higher than 14 metres is expected on Monday or Tuesday of next week at St George causing major flooding. This is about 0.6 metres higher than the March 2010 peak flood level. Further significant rainfall is forecast for today and Thursday which may affect these predictions. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual)	Major flood levels will continue to fall slowly during the remainder of this week and into next week.
St George (manual)	Reach 13 metres on Thursday 6 Jan; Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan; Reach 14 metres on Sunday 9 Jan; Peak possibly higher than 14 metres on Monday 10 Jan or Tuesday 11 Jan.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 7:30pm Wednesday.

Latest River Heights:

Condamine R at Loudoun Br *	4.8m falling	11:00 PM TUE 04/01/11
Condamine R at Warra-Kogan Rd Br	9.65m falling slowly	06:00 AM WED 05/01/11
Condamine R at Chinchilla Weir TW *	11.64m falling	06:10 AM WED 05/01/11
Condamine R at Condamine	12.3m falling slowly	11:45 AM WED 05/01/11
Balonne R at Warkon	11.78m falling slowly	09:00 AM WED 05/01/11
Balonne R at Surat * (auto)	12.1m falling	12:20 PM WED 05/01/11
Balonne R at Surat (manual)	12.65m falling slowly	06:00 AM WED 05/01/11
Balonne R at Weribone *	13.49m steady	12:20 PM WED 05/01/11
Balonne R at Warroo	14.73m rising slowly	12:00 PM WED 05/01/11
Maranoa R at Old Cashmere *	3.97m steady	11:00 AM WED 05/01/11
Balonne R at St George (manual)	12.38m rising	12:00 PM WED 05/01/11
Balonne R at St George * (auto)	12.1m falling	12:30 PM WED 05/01/11
Balonne R at Whyenbah	8.01m rising	09:00 AM WED 05/01/11
Balonne R Minor at Dirranbandi	5.21m rising slowly	06:00 AM WED 05/01/11
Narran R at Dirranbandi-Hebel Rd *	4.75m steady	11:00 AM WED 05/01/11
Ballandool R at Hebel-Bollon Rd *	3.54m steady	01:10 PM WED 05/01/11
Bokhara R at Hebel *	1.73m steady	12:00 PM WED 05/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:01 PM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak is currently downstream of Surat.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres late Thursday with further rises. A major flood peak possibly higher than 14 metres is expected at St George on Monday or Tuesday of next week.

Further significant rainfall is forecast for today and Thursday which may affect flood levels and peak predictions throughout the Condamine/Balonne catchments.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major flooding continues to ease along the Condamine River downstream from the Brigalow Bridge area through to Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently downstream from Surat. At 5pm Wednesday, the river level at Surat was at 12.6 metres and falling slowly. Major flooding will continue to slowly ease over the weekend and into next week.

Major flooding is nearing a peak in the Balonne River at Weribone. The flood peak is expected to reach Warroo around Saturday.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6pm Wednesday, the Balonne River at St George was 12.46 metres and rising slowly with major flooding.

A peak possibly higher than 14 metres is expected on Monday or Tuesday of next week at St George causing major flooding. This is about 0.6 metres higher than the March 2010 peak flood level. Further significant rainfall is forecast for today and Thursday which may affect these predictions. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding is expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

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Surat (manual)       Major flood levels will continue to fall slowly during the
                     remainder of this week and into next week.

St George (manual)   Reach 13 metres late Thursday 6 Jan;
                     Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan;
                     Reach 14 metres on Sunday 9 Jan;
                     Peak possibly higher than 14 metres on Monday 10 Jan or
                     Tuesday 11 Jan.

Predictions will be updated when upstream peaks have been observed.

Weather Forecast:
Scattered showers and thunderstorms, tending to rain areas with some moderate to
heavy falls possible.

Next Issue:
The next warning will be issued by 7:30am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Condamine R at Loudoun Br *         4.8m falling          11:00 PM TUE 04/01/11
Condamine R at Warra-Kogan Rd Br    9.4m falling slowly   06:00 PM WED 05/01/11
Condamine R at Chinchilla Weir TW * 11.3m falling         05:40 PM WED 05/01/11
Condamine R at Condamine            12.3m falling slowly  11:45 AM WED 05/01/11
Balonne R at Warkon                 11.78m falling slowly 09:00 AM WED 05/01/11
Yuleba Ck at Yuleba Forestry *      2.02m rising slowly   06:10 PM WED 05/01/11
Balonne R at Surat * (auto)         12.01m falling        05:50 PM WED 05/01/11
Balonne R at Surat (manual)         12.6m falling slowly  05:00 PM WED 05/01/11
Balonne R at Weribone *             13.45m steady         05:10 PM WED 05/01/11
Balonne R at Warroo                 14.8m rising slowly   06:30 PM WED 05/01/11
Maranoa R at Old Cashmere *         3.93m falling slowly  05:20 PM WED 05/01/11
Balonne R at St George (manual)     12.46m rising         06:00 PM WED 05/01/11
Balonne R at St George * (auto)     12.18m rising         05:00 PM WED 05/01/11
Balonne R at Whyenbah               8.01m rising          09:00 AM WED 05/01/11
Balonne R Minor at Dirranbandi      5.23m rising slowly   02:30 PM WED 05/01/11
Narran R at Dirranbandi-Hebel Rd *  4.76m steady          05:00 PM WED 05/01/11
Ballandool R at Hebel-Bollon Rd *   3.54m rising slowly   04:00 PM WED 05/01/11
Bokhara R at Hebel *                1.73m rising slowly   04:00 PM WED 05/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:26 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.
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Major flooding extends along the Condamine and Balonne River system between Brigalow Bridge through to the St George and Dirranbandi area. The main flood peak is currently downstream of Weribone.

Major flood levels continue to rise on the Balonne River at St George. St George is expected to reach 13 metres late today with further rises. A major flood peak lower than 14 metres is expected at St George during the weekend.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE
Overnight rains have caused rises with some minor flooding in the upper catchment. Further rises are likely while rainfall continues.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major flooding continues to ease along the Condamine River downstream from the Brigalow Bridge area through to Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently downstream from Weribone. At 6am Thursday, the river level at Surat was 12.5 metres and falling slowly. Major flooding will continue to ease over the weekend and into next week. The flood peak is expected to reach Warroo on Friday.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9am Thursday, the Balonne River at St George was 12.66 metres and rising slowly with major flooding.

A peak below 14 metres is expected during the weekend at St George causing major flooding. This is up to 0.6 metres higher than the March 2010 peak flood level. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding are expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual)	Major flood levels will continue to fall slowly during the remainder of this week and into next week.
St George (manual)	Reach 13 metres overnight; Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan; Peak below 14 metres during weekend.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 3pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Elbow Valley #	2.03m rising	08:09 AM THU 06/01/11
Condamine R at Murrays Br #	2.4m rising	08:11 AM THU 06/01/11
Condamine R @ Warwick(Scots Col.) *	1.34m steady	07:00 AM THU 06/01/11
Condamine R at Warwick #	1.94m rising	07:37 AM THU 06/01/11
Glengallan Ck near Backwater Ck #	0.85m steady	07:58 AM THU 06/01/11
Condamine R at Tummaville *	2.93m rising	01:00 AM THU 06/01/11
North Condamine R at Lone Pine *	2.14m steady	05:00 AM THU 06/01/11

Condamine R at Loudoun Br *	3.47m falling	05:00 AM THU 06/01/11
Myall Ck at Dalby #	0.59m rising	08:21 AM THU 06/01/11
Condamine R at Warra-Kogan Rd Br	9.2m falling slowly	06:00 AM THU 06/01/11
Condamine R at Chinchilla Weir TW *	10.77m falling	08:20 AM THU 06/01/11
Condamine R at Condamine	12.3m falling slowly	11:45 AM WED 05/01/11
Condamine R at Cotswold *	15.61m falling	08:00 AM THU 06/01/11
Balonne R at Warkon	11.67m falling	06:00 AM THU 06/01/11
Yuleba Ck at Yuleba Forestry *	2.52m rising	05:10 AM THU 06/01/11
Balonne R at Surat * (auto)	11.94m falling	05:40 AM THU 06/01/11
Balonne R at Surat (manual)	12.5m falling slowly	06:00 AM THU 06/01/11
Balonne R at Weribone *	13.38m falling	05:00 AM THU 06/01/11
Balonne R at Warroo	14.8m rising slowly	06:30 PM WED 05/01/11
Maranoa R at Old Cashmere *	3.79m falling	05:40 AM THU 06/01/11
Balonne R at St George (manual)	12.62m rising	06:00 AM THU 06/01/11
Balonne R at St George * (auto)	12.31m rising	05:00 AM THU 06/01/11
Balonne R at Whyenbah	8.01m rising	09:00 AM WED 05/01/11
Balonne R Minor at Dirranbandi	5.24m rising slowly	06:00 AM THU 06/01/11
Narran R at Dirranbandi-Hebel Rd *	4.76m steady	05:00 PM WED 05/01/11
Ballandool R at Hebel-Bollon Rd *	3.56m steady	04:00 AM THU 06/01/11
Bokhara R at Hebel *	1.76m steady	08:00 AM THU 06/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 3:19 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between
Brigalow Bridge through to the St George and Dirranbandi area. The main flood
peak is currently in the Balonne River downstream of Weribone.

Major flood levels continue to rise on the Balonne River at St George. St George
is expected to reach 13 metres late today with further rises. A major flood peak
lower than 14 metres is expected at St George during the weekend.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE
Stream rises and minor flooding is occurring in the upper Condamine catchment.
Further rises are likely while rainfall continues.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major flooding continues to ease along the Condamine River
downstream from Loudoun Bridge through to Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak currently downstream from Weribone. At 6am Thursday, the river level at Surat was 12.5 metres and falling slowly. Major flooding will continue to ease over the weekend and into next week. The flood peak is expected to reach Warroo on Friday.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 3pm Thursday, the Balonne River at St George was 12.78 metres and rising slowly with major flooding.

A peak below 14 metres is expected during the weekend at St George causing major flooding. This is up to 0.6 metres higher than the March 2010 peak flood level. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding are expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual)	Major flood levels will continue to fall slowly during the remainder of this week and into next week.
St George (manual)	Reach 13 metres overnight; Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan; Peak below 14 metres during weekend.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 7:30pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.2m	rising	03:11 PM THU 06/01/11
Condamine R at Elbow Valley #	2.38m	rising	02:59 PM THU 06/01/11
Condamine R at Murrays Br #	4m	rising	03:03 PM THU 06/01/11
Condamine R @ Warwick(Scots Col.) *	2.03m	rising	02:00 PM THU 06/01/11
Condamine R at Warwick #	3.49m	rising	03:05 PM THU 06/01/11
Glengallan Ck near Backwater Ck #	2.3m	rising	03:12 PM THU 06/01/11
Condamine R at Tummaville *	4.48m	rising	02:10 PM THU 06/01/11
Condamine R at Centenary Br	4.95m	rising	03:00 PM THU 06/01/11
North Condamine R at Lone Pine *	3.5m	rising	02:00 PM THU 06/01/11
Oakey Ck at Fairview *	1.7m	rising	02:00 PM THU 06/01/11
Condamine R at Loudoun Br *	3.83m	rising	02:00 PM THU 06/01/11
Myall Ck at Dalby #	0.99m	rising	03:03 PM THU 06/01/11
Condamine R at Warra-Kogan Rd Br	9.2m	falling slowly	06:00 AM THU 06/01/11
Condamine R at Chinchilla Weir TW *	10.48m	falling	02:40 PM THU 06/01/11
Condamine R at Condamine	NA		
Condamine R at Cotswold *	15.39m	falling	02:10 PM THU 06/01/11
Balonne R at Warkon	11.67m	falling slowly	09:00 AM THU 06/01/11
Yuleba Ck at Yuleba Forestry *	2.33m	falling	02:40 PM THU 06/01/11
Balonne R at Surat * (auto)	11.97m	falling slowly	02:40 PM THU 06/01/11
Balonne R at Surat (manual)	12.5m	falling slowly	06:00 AM THU 06/01/11
Balonne R at Weribone *	13.31m	falling	02:40 PM THU 06/01/11
Balonne R at Warroo	14.95m	rising slowly	02:00 PM THU 06/01/11
Maranoa R at Old Cashmere *	3.65m	falling	02:10 PM THU 06/01/11
Balonne R at St George (manual)	12.78m	rising	03:00 PM THU 06/01/11

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Balonne R at St George * (auto)     12.43m rising         02:10 PM THU 06/01/11
Balonne R at Whyenbah                8.05m rising         09:00 AM THU 06/01/11
Balonne R Minor at Dirranbandi       5.25m rising slowly  02:30 PM THU 06/01/11
Narran R at Dirranbandi-Hebel Rd *   4.82m rising         02:00 PM THU 06/01/11
Ballandool R at Hebel-Bollon Rd *    3.57m rising slowly  12:00 PM THU 06/01/11
Bokhara R at Hebel *                 1.76m rising slowly  02:30 PM THU 06/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:39 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne River system between
Brigalow Bridge through to the St George and Dirranbandi area. The main flood
peak is currently in the Balonne River downstream of Weribone.

Major flood levels continue to rise on the Balonne River at St George. St George
is expected to reach 13 metres late today with further rises. A major flood peak
lower than 14 metres is expected at St George during the weekend.


CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Stream rises and minor to moderate flooding is occurring in the upper Condamine
catchment. Further river level rises are possible but dependent on further
rainfall.

MYALL CREEK:
Rainfall recorded in the past 24 hours has produced rises upstream of Dalby.
Creek levels at Dalby are expected to reach near the minor flood level of 2
metres during Friday morning. Higher levels are possible but dependent on
further rainfall.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major flooding continues to ease along the Condamine River
downstream from Loudoun Bridge through to Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to rise along the Balonne River with the flood peak
currently downstream from Weribone. At 7pm Thursday, the river level at Surat
was 12.4 metres and falling slowly. Major flooding will continue to ease over
the weekend and into next week. The flood peak is expected to reach Warroo on
Friday.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
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At 6pm Thursday, the Balonne River at St George was 12.8 metres and rising slowly with major flooding.

A peak below 14 metres is expected during the weekend at St George causing major flooding. This is up to 0.6 metres higher than the March 2010 peak flood level. Predictions of the St George peak will be updated when upstream peaks are recorded or further rainfall is observed.

River rises and high level major flooding are expected in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

Surat (manual) Major flood levels will continue to fall slowly during the remainder of this week and into next week.

St George (manual) Reach 13 metres overnight;
Reach 13.4 metres (Mar 2010 level) overnight Friday 7 Jan;
Peak below 14 metres during weekend.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 8am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.4m steady	06:46 PM THU 06/01/11
Condamine R at Elbow Valley #	2.43m steady	05:08 PM THU 06/01/11
Condamine R at Murrays Br #	4.75m rising	06:55 PM THU 06/01/11
Condamine R @ Warwick(Scots Col.) *	2.51m rising	06:00 PM THU 06/01/11
Condamine R at Warwick #	4.34m rising	06:59 PM THU 06/01/11
Glengallan Ck near Backwater Ck #	4.2m rising	06:28 PM THU 06/01/11
Condamine R at Tummaville *	5.05m rising	05:00 PM THU 06/01/11
Condamine R at Centenary Br	4.95m rising	03:00 PM THU 06/01/11
North Condamine R at Lone Pine *	3.71m rising	05:00 PM THU 06/01/11
Oakey Ck at Fairview *	1.92m rising	06:00 PM THU 06/01/11
Condamine R at Loudoun Br *	4m rising	05:00 PM THU 06/01/11
Myall Ck at Dalby #	1.39m steady	06:03 PM THU 06/01/11
Condamine R at Warra-Kogan Rd Br	9.2m falling slowly	06:00 AM THU 06/01/11
Condamine R at Chinchilla Weir TW *	10.37m falling	05:30 PM THU 06/01/11
Condamine R at Cotswold *	15.27m falling	05:50 PM THU 06/01/11
Balonne R at Warkon	11.67m steady	09:00 AM THU 06/01/11
Yuleba Ck at Yuleba Forestry *	2.27m falling	05:20 PM THU 06/01/11
Balonne R at Surat * (auto)	11.79m falling	05:50 PM THU 06/01/11
Balonne R at Surat (manual)	12.4m falling slowly	07:00 PM THU 06/01/11
Balonne R at Weribone *	13.3m falling	05:50 PM THU 06/01/11
Balonne R at Warroo	14.95m steady	06:00 PM THU 06/01/11
Maranoa R at Old Cashmere *	3.61m falling	05:10 PM THU 06/01/11
Balonne R at St George (manual)	12.8m rising	06:00 PM THU 06/01/11
Balonne R at St George * (auto)	12.45m falling	05:40 PM THU 06/01/11
Balonne R at Whyenbah	8.05m rising	09:00 AM THU 06/01/11
Balonne R Minor at Dirranbandi	5.25m rising slowly	02:30 PM THU 06/01/11
Narran R at Dirranbandi-Hebel Rd *	4.84m steady	05:10 PM THU 06/01/11
Ballandool R at Hebel-Bollon Rd *	3.58m steady	04:40 PM THU 06/01/11
Bokhara R at Hebel *	1.77m steady	04:00 PM THU 06/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 8:59 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine and Balonne River system between Pratten through to the St George and Dirranbandi area. The main flood peak is currently in the Balonne River downstream of Weribone in the Barrackdale area.

Major flood levels are expected to continue rising on the Balonne River at St George into the weekend reaching 13.4 metres during Saturday. A major flood peak lower than 14 metres is expected at St George late in the weekend.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Renewed rises and minor to moderate flooding are occurring in the upper Condamine catchment. Further rainfall is foreacst for today and higher levels with a return to some major flood levels are likely during today and over the weekend.

MYALL CREEK:
Rainfall recorded in the past 24 hours has produced rises upstream of Dalby. Creek levels at Dalby are expected to peak near the minor flood level of 2.6 metres during Friday morning. Further rainfall is forecast for Friday.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold. Renewed rises are likely over the weekend and into next week as rainfall continues. Further predictions will be made as upstream peaks are observed.

BALONNE RIVER TO BEARDMORE DAM:
At 7am Friday, the river level at Surat was 12.25 metres and falling. Major flooding continues to rise downstream along the Balonne River with the flood peak currently near Barrackdale. The flood peak is expected to reach Warroo overnight.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Friday, the Balonne River at St George was 13 metres and rising slowly with major flooding.

A peak below 14 metres is expected during the weekend at St George causing major flooding. For comparison, the March 2010 flood peak was 13.4 metres. Flood levels will remain high (above 13 metres) until mid next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

St George (manual) Reach 13.4 metres (Mar 2010 level) during Saturday;
                    Peak below 14 metres late in the weekend.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 2pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Warwick #	4.54m steady	06:59 AM FRI 07/01/11
Glengallan Ck near Backwater Ck #	2.85m rising	07:01 AM FRI 07/01/11
Condamine R at Tummaville *	6.29m rising	05:00 AM FRI 07/01/11
Condamine R at Centenary Br	6.3m rising	05:00 AM FRI 07/01/11
Condamine R at Loudoun Br *	4.67m rising	05:00 AM FRI 07/01/11
Myall Ck at Dalby #	2.29m rising	06:48 AM FRI 07/01/11
Condamine R at Warra-Kogan Rd Br	9.1m falling	06:00 PM THU 06/01/11
Condamine R at Chinchilla Weir TW *	9.95m falling	05:40 AM FRI 07/01/11
Condamine R at Cotswold *	14.86m falling	05:30 AM FRI 07/01/11
Balonne R at Warkon	11.51m falling slowly	06:00 AM FRI 07/01/11
Balonne R at Surat (manual)	12.25m falling slowly	06:00 AM FRI 07/01/11
Balonne R at Weribone *	13.23m falling	05:30 AM FRI 07/01/11
Balonne R at Warroo	15m rising slowly	06:00 AM FRI 07/01/11
Maranoa R at Old Cashmere *	3.48m falling	05:00 AM FRI 07/01/11
Balonne R at St George (manual)	12.98m rising	06:00 AM FRI 07/01/11
Balonne R at Whyenbah	8.05m rising	09:00 AM THU 06/01/11
Culgoa R at Woolerbilla *	6.19m steady	04:00 AM FRI 07/01/11
Balonne R Minor at Dirranbandi	5.25m steady	06:00 AM FRI 07/01/11
Narran R at Dirranbandi-Hebel Rd *	4.91m rising	02:20 AM FRI 07/01/11
Ballandool R at Hebel-Bollon Rd *	3.6m steady	04:00 AM FRI 07/01/11
Bokhara R at Hebel *	1.78m steady	04:00 AM FRI 07/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 12:58 PM on Friday the 7th of January 2011

by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine and Balonne River system between Pratten through to the St George and Dirranbandi area. The main flood peak is currently in the Balonne River downstream of Weribone in the Barrackdale area. Further rainfall is forecast for the Condamine catchment today.

Major flood levels are expected to continue rising on the Balonne River at St George into the weekend reaching 13.4 metres during Saturday. A major flood peak lower than 14 metres is expected at St George late in the weekend.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Renewed rises with minor to moderate flooding are occurring in the upper Condamine catchment. Further rainfall is foreacst for today and higher levels with a return to some major flood levels are likely during today and over the weekend. Major flood levels are occurring along Oakey Creek with levels expected to fall later today and overnight. Major flood levels are forecast at Loudoun Bridge later today.

MYALL CREEK:
Creek levels at Dalby are now falling although rainfall is continuing in the catchment. The situation will continue to be monitored.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold. Renewed rises are likely over the weekend and into next week as rainfall continues. Further predictions will be made as upstream peaks are observed.

BALONNE RIVER TO BEARDMORE DAM:
At 7am Friday, the river level at Surat was 12.25 metres and falling. Major flooding continues to rise downstream along the Balonne River with the flood peak currently near Barrackdale. The flood peak is expected to reach Warroo overnight.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At noon Friday, the Balonne River at St George was 13.04 metres and rising slowly with major flooding.

A peak below 14 metres is expected during the weekend at St George causing major flooding. For comparison, the March 2010 flood peak was 13.4 metres. Flood levels will remain high (above 13 metres) until mid next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

St George (manual) Reach 13.4 metres (Mar 2010 level) during Saturday;
                    Peak below 14 metres late in the weekend.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 7pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Condamine R at Murrays Br # 4.85m rising 12:35 PM FRI 07/01/11

Condamine R @ Warwick(Scots Col.) *	2.53m	falling	11:00 AM FRI 07/01/11
Condamine R at Warwick #	4.44m	steady	11:34 AM FRI 07/01/11
Glengallan Ck near Backwater Ck #	4.45m	rising	12:15 PM FRI 07/01/11
Condamine R at Tummaville *	7.08m	rising	11:00 AM FRI 07/01/11
Condamine R at Centenary Br	6.5m	rising	12:00 PM FRI 07/01/11
North Condamine R at Lone Pine *	3.61m	falling	11:00 AM FRI 07/01/11
Oakey Ck at Fairview *	6.33m	rising	11:00 AM FRI 07/01/11
Condamine R at Loudoun Br *	5.04m	rising	11:00 AM FRI 07/01/11
Myall Ck at Dalby #	2.34m	falling	12:09 PM FRI 07/01/11
Condamine R at Warra-Kogan Rd Br	9.25m	rising	06:00 AM FRI 07/01/11
Condamine R at Chinchilla Weir TW *	9.79m	falling	11:20 AM FRI 07/01/11
Condamine R at Condamine	10.2m	falling	07:00 AM FRI 07/01/11
Condamine R at Cotswold *	14.65m	steady	11:50 AM FRI 07/01/11
Balonne R at Warkon	11.51m	falling slowly	06:00 AM FRI 07/01/11
Yuleba Ck at Yuleba Forestry *	2.24m	falling	11:00 AM FRI 07/01/11
Balonne R at Surat * (auto)	11.77m	rising	11:50 AM FRI 07/01/11
Balonne R at Surat (manual)	12.25m	falling slowly	06:00 AM FRI 07/01/11
Balonne R at Weribone *	13.17m	steady	11:20 AM FRI 07/01/11
Balonne R at Warroo	15.04m	rising slowly	10:00 AM FRI 07/01/11
Maranoa R at Old Cashmere *	3.39m	falling	12:20 PM FRI 07/01/11
Balonne R at St George (manual)	13.04m	rising	12:00 PM FRI 07/01/11
Balonne R at St George * (auto)	12.68m	steady	12:00 PM FRI 07/01/11
Balonne R at Whyenbah	8.08m	rising slowly	09:00 AM FRI 07/01/11
Culgoa R at Woolerbilla *	6.2m	steady	10:00 AM FRI 07/01/11
Balonne R Minor at Dirranbandi	5.25m	steady	06:00 AM FRI 07/01/11
Narran R at Dirranbandi-Hebel Rd *	5m	steady	11:00 AM FRI 07/01/11
Ballandool R at Hebel-Bollon Rd *	3.6m	steady	08:00 AM FRI 07/01/11
Bokhara R at Hebel *	1.79m	steady	08:00 AM FRI 07/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:21 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine and Balonne River system.
The main flood peak is currently in the Balonne River downstream of Weribone in
the Barrackdale area. Further rainfall is forecast for the Condamine catchment
during Saturday.

Major flood levels are expected to continue rising on the Balonne River at St
George into the weekend reaching 13.4 metres during Saturday. A major flood peak
lower than 14 metres is expected at St George late in the weekend.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Renewed rises with minor to moderate flooding are occurring in the upper Condamine catchment. Further rainfall is forecast for Saturday and higher levels with a return to major flood levels are likely over the weekend. Major flood levels are occurring along Oakey Creek with levels expected to fall later today and overnight. Major flood levels are forecast at Loudoun Bridge overnight Friday.

MYALL CREEK:
Creek levels at Dalby continue to ease with the situation being closely monitored.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major continues to ease along the Condamine River downstream from Loudoun Bridge through to Cotswold. Renewed rises are likely over the weekend and into next week as rainfall continues. Further predictions will be made as upstream peaks are observed.

BALONNE RIVER TO BEARDMORE DAM:
At 6pm Friday, the river level at Surat was 12.2 metres and falling. Major flooding continues to rise downstream along the Balonne River with the flood peak currently near Barrackdale. The flood peak is expected to reach Warroo overnight.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6pm Friday, the Balonne River at St George was 13.1 metres and rising slowly with major flooding.

A peak below 14 metres is expected during the weekend at St George causing major flooding. For comparison, the March 2010 flood peak was 13.4 metres. Flood levels will remain high (above 13 metres) until mid next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:
Balonne River at:

St George (manual) Reach 13.4 metres (Mar 2010 level) during Saturday;
                    Peak below 14 metres late in the weekend.

Predictions will be updated when upstream peaks have been observed.

Next Issue:
The next warning will be issued by 8am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	1.15m falling	06:48 PM FRI 07/01/11
Condamine R at Elbow Valley #	3.38m rising	06:28 PM FRI 07/01/11
Condamine R at Murrays Br #	5.8m falling	06:57 PM FRI 07/01/11
Condamine R @ Warwick(Scots Col.) *	2.82m rising	06:00 PM FRI 07/01/11
Condamine R at Warwick #	4.74m rising	06:32 PM FRI 07/01/11
Glengallan Ck near Backwater Ck #	4.15m falling	06:42 PM FRI 07/01/11
Condamine R at Tummaville *	7.81m rising	05:00 PM FRI 07/01/11
Condamine R at Centenary Br	6.6m rising slowly	05:30 PM FRI 07/01/11
North Condamine R at Lone Pine *	3.53m falling	05:00 PM FRI 07/01/11
Oakey Ck at Fairview *	6.17m falling	06:00 PM FRI 07/01/11
Condamine R at Loudoun Br *	5.29m rising	05:00 PM FRI 07/01/11
Myall Ck at Dalby #	2.14m steady	06:03 PM FRI 07/01/11

Condamine R at Warra-Kogan Rd Br	9.51m rising	06:00 PM FRI 07/01/11
Condamine R at Chinchilla Weir TW *	9.68m falling	05:40 PM FRI 07/01/11
Condamine R at Condamine	10.2m falling	07:00 AM FRI 07/01/11
Condamine R at Cotswold *	14.46m falling	05:50 PM FRI 07/01/11
Balonne R at Warkon	11.51m falling slowly	06:00 AM FRI 07/01/11
Yuleba Ck at Yuleba Forestry *	2.21m steady	05:00 PM FRI 07/01/11
Balonne R at Surat * (auto)	11.7m rising	05:50 PM FRI 07/01/11
Balonne R at Surat (manual)	12.2m falling slowly	06:00 PM FRI 07/01/11
Balonne R at Weribone *	13.11m falling	05:40 PM FRI 07/01/11
Balonne R at Warroo	15.04m steady	05:00 PM FRI 07/01/11
Maranoa R at Old Cashmere *	3.31m falling	05:50 PM FRI 07/01/11
Balonne R at St George (manual)	13.1m rising	06:00 PM FRI 07/01/11
Balonne R at St George * (auto)	12.76m steady	06:00 PM FRI 07/01/11
Balonne R at Whyenbah	8.08m rising slowly	09:00 AM FRI 07/01/11
Culgoa R at Woolerbilla *	6.21m steady	05:00 PM FRI 07/01/11
Balonne R Minor at Dirranbandi	5.26m rising slowly	02:30 PM FRI 07/01/11
Narran R at Dirranbandi-Hebel Rd *	5.07m steady	05:20 PM FRI 07/01/11
Ballandool R at Hebel-Bollon Rd *	3.61m steady	04:00 PM FRI 07/01/11
Bokhara R at Hebel *	1.8m steady	04:00 PM FRI 07/01/11

*,# from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:56 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

The main flood peak in the Balonne River is currently upstream from St George in the Beardmore Dam area. A peak near the March 2010 flood level of 13.4 metres is expected at St George during today and Sunday causing major flooding. Flood levels will remain high (above 13 metres) until mid next week.

Moderate to major flooding extends along the Condamine and Balonne River system. Recent rains and high creek inflows have caused renewed rises in the upper Condamine around Warwick to Tummaville. Rises will extend downstream to the Chinchilla Weir area during the next few days causing renewed major flooding, but remaining well below the peaks recorded during the Christmas-New Year period.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
River rises will extend downstream from Tummaville to the Chinchilla Weir area during the next few days causing renewed major flooding, but remaining well below the peaks recorded during the Christmas-New Year period.

MYALL CREEK:

Creek levels at Dalby will remain around the minor flood level of 2 metres today with a further slight rise expected during Saturday. Minor flood levels should be falling again overnight and Sunday.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. Record flood levels have peaked in the Barrackdale area during Friday night about 1.5 metres higher than the March 2010 flood level. River levels have commenced falling very slowly but record flooding in the area between Weribone and Barrackdale will be very slow to recede over the next few days.

The river level at Warroo has also reached its peak during Friday night and is remaining steady.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Saturday, the Balonne River at St George was 13.18 metres and rising slowly with major flooding.

A peak near the March 2010 flood level of 13.4 metres is expected during today and Sunday at St George causing major flooding. Flood levels will remain high (above 13 metres) until mid next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi to Hebel area around mid-January.

Predicted River Heights/Flows:
Balonne River at:

St George (manual)	Peak near the March 2010 flood level (13.4 metres) during today and Sunday; Remain above 13 metres until mid next week.

Next Issue:
The next warning will be issued at about 1pm Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Warwick #	4.79m falling	06:19 AM SAT 08/01/11
Condamine R at Tummaville *	8.18m rising	05:00 AM SAT 08/01/11
Condamine R at Centenary Br	6.85m rising slowly	04:30 AM SAT 08/01/11
Oakey Ck at Fairview *	4.98m falling	05:00 AM SAT 08/01/11
Condamine R at Loudoun Br *	5.3m steady	05:00 AM SAT 08/01/11
Myall Ck at Dalby #	1.99m steady	06:34 AM SAT 08/01/11
Condamine R at Warra-Kogan Rd Br	9.51m rising	06:00 PM FRI 07/01/11
Condamine R at Chinchilla Weir TW *	9.61m falling	05:30 AM SAT 08/01/11
Condamine R at Condamine	10.2m falling	07:00 AM FRI 07/01/11
Condamine R at Cotswold *	14.11m falling	05:20 AM SAT 08/01/11
Balonne R at Warkon	11.46m falling slowly	09:00 PM FRI 07/01/11
Balonne R at Surat (manual)	12.05m falling slowly	05:00 AM SAT 08/01/11
Balonne R at Weribone *	13.01m falling	05:40 AM SAT 08/01/11
Balonne R at Warroo	15.03m steady	05:00 AM SAT 08/01/11
Maranoa R at Old Cashmere *	3.23m steady	05:00 AM SAT 08/01/11
Balonne R at St George (manual)	13.18m rising	06:00 AM SAT 08/01/11
Balonne R at Whyenbah	8.08m rising slowly	09:00 AM FRI 07/01/11
Culgoa R at Woolerbilla *	6.23m rising slowly	04:00 AM SAT 08/01/11

Balonne R Minor at Dirranbandi	5.28m rising slowly	06:00 AM SAT 08/01/11
Narran R at Dirranbandi-Hebel Rd *	5.09m rising slowly	08:00 PM FRI 07/01/11
Ballandool R at Hebel-Bollon Rd *	3.64m rising slowly	04:00 AM SAT 08/01/11
Bokhara R at Hebel *	1.82m rising slowly	04:00 AM SAT 08/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 12:54 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

The main flood peak in the Balonne River is currently upstream from St George in the Beardmore Dam area. A peak near the March 2010 flood level of 13.4 metres is expected at St George during today and Sunday causing major flooding. Flood levels will remain high (above 13 metres) until mid next week.

Moderate to major flooding extends along the Condamine and Balonne River system. Recent rains and high creek inflows have caused renewed rises in the upper Condamine around Warwick to Tummaville. Rises will extend downstream to the Chinchilla Weir area during the next few days causing renewed major flooding, but remaining well below the peaks recorded during the Christmas-New Year period.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
River rises will extend downstream from Tummaville to the Chinchilla Weir area during the next few days causing renewed major flooding, but remaining well below the peaks recorded during the Christmas-New Year period.

MYALL CREEK:
Creek levels at Dalby will remain around the minor flood level of 2 metres today with a further slight rise expected during Saturday up to 2.5 metres. Minor flood levels should fall again overnight and on Sunday.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. Record flood levels have peaked in the Barrackdale area during Friday night about 1.5 metres higher than the March 2010 flood level. River levels have commenced falling very slowly but record flooding in the area between Weribone and Barrackdale will be very slow to recede over the next few days.

The river level at Warroo has also reached its peak during Friday night and is

remaining steady.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At noon Saturday, the Balonne River at St George was 13.2 metres and rising slowly with major flooding.

A peak near the March 2010 flood level of 13.4 metres is expected during today and Sunday at St George causing major flooding. Flood levels will remain high (above 13 metres) until mid next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi to Hebel area around mid-January.

Predicted River Heights/Flows:
Balonne River at:

St George (manual) Peak near the March 2010 flood level (13.4 metres) during today and Sunday;
Remain above 13 metres until mid next week.

Next Issue:
The next warning will be issued at about 8pm Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R @ Warwick(Scots Col.) *	2.7m falling	12:00 PM SAT 08/01/11
Condamine R at Warwick #	4.64m steady	11:34 AM SAT 08/01/11
Glengallan Ck near Backwater Ck #	2.15m falling	12:02 PM SAT 08/01/11
Condamine R at Tummaville *	8.22m steady	09:00 AM SAT 08/01/11
Condamine R at Centenary Br	6.87m rising slowly	09:20 AM SAT 08/01/11
North Condamine R at Lone Pine *	3.5m steady	11:00 AM SAT 08/01/11
Oakey Ck at Fairview *	4.38m falling	12:00 PM SAT 08/01/11
Condamine R at Loudoun Br *	5.22m falling	11:00 AM SAT 08/01/11
Myall Ck at Dalby #	2.19m rising	12:37 PM SAT 08/01/11
Condamine R at Warra-Kogan Rd Br	10.65m rising fast	09:00 AM SAT 08/01/11
Condamine R at Chinchilla Weir TW *	9.74m rising	11:40 AM SAT 08/01/11
Condamine R at Cotswold *	13.92m falling	11:40 AM SAT 08/01/11
Balonne R at Warkon	11.41m falling slowly	06:00 AM SAT 08/01/11
Yuleba Ck at Yuleba Forestry *	2.87m rising	11:40 AM SAT 08/01/11
Balonne R at Surat (manual)	12.05m falling slowly	05:00 AM SAT 08/01/11
Balonne R at Weribone *	12.97m steady	11:00 AM SAT 08/01/11
Balonne R at Warroo	15.03m steady	09:00 AM SAT 08/01/11
Maranoa R at Old Cashmere *	3.21m falling	11:10 AM SAT 08/01/11
Balonne R at St George (manual)	13.2m rising	12:00 PM SAT 08/01/11
Balonne R at Whyenbah	8.1m rising slowly	09:00 AM SAT 08/01/11
Culgoa R at Woolerbilla *	6.23m steady	07:00 AM SAT 08/01/11
Balonne R Minor at Dirranbandi	5.28m rising slowly	06:00 AM SAT 08/01/11
Narran R at Dirranbandi-Hebel Rd *	5.19m rising	09:00 AM SAT 08/01/11
Ballandool R at Hebel-Bollon Rd *	3.65m steady	09:00 AM SAT 08/01/11
Bokhara R at Hebel *	1.82m steady	08:50 AM SAT 08/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:52 PM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

The main flood peak in the Balonne River is currently upstream from St George in the Beardmore Dam area. A peak near the March 2010 flood level of 13.4 metres is expected at St George overnight and Sunday causing major flooding. Flood levels will remain high (above 13 metres) until mid next week.

Moderate to major flooding extends along the Condamine and Balonne River system. Recent rains and high creek inflows have caused renewed rises in the upper Condamine around Warwick to Tummaville. Rises will extend downstream to the Chinchilla Weir area during the next few days causing renewed major flooding, but remaining well below the peaks recorded during the Christmas-New Year period.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding upstream from Centenary Bridge is now easing. River rises will extend downstream to Loudoun Bridge during the next few days causing minor to moderate flooding.

MYALL CREEK:
A second minor flood peak of 2.3 metres occurred at Dalby during Saturday afternoon. Minor flood levels are now falling.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. Record flood levels have peaked in the Barrackdale area during Friday night about 1.5 metres higher than the March 2010 flood level. River levels have commenced falling very slowly but record flooding in the area between Weribone and Barrackdale will be very slow to recede over the next few days.

The river level at Warroo has also reached its peak during Friday night and is remaining steady.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6pm Saturday, the Balonne River at St George was 13.2 metres and rising slowly with major flooding.

A peak near the March 2010 flood level of 13.4 metres is expected overnight and Sunday at St George causing major flooding. Flood levels will remain high (above 13 metres) until mid next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi to Hebel area around mid-January.

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Predicted River Heights/Flows:
Balonne River at:

St George (manual)   Peak near the March 2010 flood level (13.4 metres)
                     overnight and Sunday;
                     Remain above 13 metres until mid next week.

Next Issue:
The next warning will be issued at about 8am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Condamine R @ Warwick(Scots Col.) * 2.61m falling         06:00 PM SAT 08/01/11
Condamine R at Warwick #           4.54m steady           05:34 PM SAT 08/01/11
Glengallan Ck near Backwater Ck #  1.8m falling           06:46 PM SAT 08/01/11
Condamine R at Tummaville *        7.99m falling          06:00 PM SAT 08/01/11
Condamine R at Centenary Br        6.94m steady           05:30 PM SAT 08/01/11
North Condamine R at Lone Pine *   3.44m steady           06:00 PM SAT 08/01/11
Oakey Ck at Fairview *             4.06m falling          06:00 PM SAT 08/01/11
Condamine R at Loudoun Br *        5.09m falling          06:00 PM SAT 08/01/11
Myall Ck at Dalby #                2.24m falling          06:36 PM SAT 08/01/11
Condamine R at Warra-Kogan Rd Br   10.98m rising          06:00 PM SAT 08/01/11
Condamine R at Chinchilla Weir TW * 9.94m rising          05:40 PM SAT 08/01/11
Condamine R at Cotswold *          13.75m falling         05:50 PM SAT 08/01/11
Balonne R at Warkon                11.41m falling slowly  06:00 AM SAT 08/01/11
Yuleba Ck at Yuleba Forestry *     3.2m rising            05:40 PM SAT 08/01/11
Balonne R at Surat (manual)        11.95m falling slowly  06:00 PM SAT 08/01/11
Balonne R at Weribone *            12.91m falling         05:50 PM SAT 08/01/11
Balonne R at Warroo                15m falling slowly     05:00 PM SAT 08/01/11
Maranoa R at Old Cashmere *        3.18m steady           05:00 PM SAT 08/01/11
Balonne R at St George (manual)    13.2m rising slowly    06:00 PM SAT 08/01/11
Balonne R at Whyenbah              8.1m rising slowly     09:00 AM SAT 08/01/11
Culgoa R at Woolerbilla *          6.25m rising           02:00 PM SAT 08/01/11
Balonne R Minor at Dirranbandi     5.28m rising slowly    06:00 AM SAT 08/01/11
Narran R at Dirranbandi-Hebel Rd * 5.21m steady           03:00 PM SAT 08/01/11
Ballandool R at Hebel-Bollon Rd *  3.66m steady           04:00 PM SAT 08/01/11
Bokhara R at Hebel *               1.82m steady           04:00 PM SAT 08/01/11

#, * denote automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:27 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

The Balonne River at St George reached a peak of 13.2 metres during Saturday and
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remains at that level now (Sunday morning). Major flood levels will remain high (above 13 metres) during the next few days.

Moderate to major flooding extends along the Condamine and Balonne River system. Rises will extend downstream of the Loudoun Bridge area to the Chinchilla Weir area during the next few days causing renewed major flooding, but river levels will remain well below the peaks recorded during the Christmas-New Year period.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding is generally easing again, although a renewed minor flood peak is expected at Warwick today. Further rain is forecast for the eastern Darling Downs area from today through to Tuesday which will cause renewed rises in creeks in the area, and may produce renewed Condamine River rises.

MYALL CREEK:
A second minor flood peak of 2.3 metres occurred at Dalby during Saturday afternoon and creek levels are now falling again below minor flood level. Renewed rises are possible with the forecast rain.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. Record flood levels peaked in the Barrackdale area during Friday night about 1.5 metres higher than the March 2010 flood level, but have only fallen about 20 centimetres. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days.

The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Sunday, the Balonne River at St George was 13.2 metres and holding at its peak which was reached during Saturday.

Major flood levels will remain high (above 13 metres) during the next few days.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi to Hebel area around mid-January.

Predicted River Heights/Flows:
Balonne River at:

St George (manual) Remain above 13 metres during the next few days.

Next Issue:
The next warning will be issued at about 4pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Murrays Br #	6.4m rising	06:29 AM SUN 09/01/11
Condamine R at Warwick #	4.84m rising	06:15 AM SUN 09/01/11
Condamine R at Tummaville *	7.53m falling	05:00 AM SUN 09/01/11
Condamine R at Centenary Br	6.94m falling slowly	05:00 AM SUN 09/01/11
North Condamine R at Lone Pine *	3.26m falling	05:00 AM SUN 09/01/11
Oakey Ck at Fairview *	4.18m steady	05:00 AM SUN 09/01/11

Condamine R at Loudoun Br *	5.02m falling	05:00 AM SUN 09/01/11
Myall Ck at Dalby #	1.59m falling	06:09 AM SUN 09/01/11
Condamine R at Warra-Kogan Rd Br	10.98m rising	06:00 PM SAT 08/01/11
Condamine R at Chinchilla Weir TW *	10.55m rising	05:40 AM SUN 09/01/11
Condamine R at Cotswold *	13.45m falling	05:10 AM SUN 09/01/11
Balonne R at Warkon	11.09m falling slowly	06:00 AM SUN 09/01/11
Balonne R at Surat (manual)	11.8m falling slowly	06:00 AM SUN 09/01/11
Balonne R at Weribone *	12.81m falling	05:30 AM SUN 09/01/11
Balonne R at Warroo	14.98m falling slowly	05:30 AM SUN 09/01/11
Maranoa R at Old Cashmere *	3.36m rising	05:40 AM SUN 09/01/11
Balonne R at St George (manual)	13.2m steady	06:00 AM SUN 09/01/11
Balonne R at Whyenbah	8.1m rising slowly	09:00 AM SAT 08/01/11
Culgoa R at Woolerbilla *	6.3m rising	04:00 AM SUN 09/01/11
Balonne R Minor at Dirranbandi	5.3m rising slowly	06:00 AM SUN 09/01/11
Narran R at Dirranbandi-Hebel Rd *	5.21m rising slowly	03:00 PM SAT 08/01/11
Ballandool R at Hebel-Bollon Rd *	3.68m rising slowly	05:30 AM SUN 09/01/11
Bokhara R at Hebel *	1.84m rising slowly	05:20 AM SUN 09/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 3:28 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

The Balonne River at St George reached a peak of 13.2 metres during Saturday and
has remained steady at that level during Sunday. Major flood levels will remain
high (above 13 metres) during the next few days.

Moderate to major flooding extends along the Condamine and Balonne River system.
Rises will extend downstream of the Loudoun Bridge area to the Chinchilla Weir
area during the next few days causing renewed major flooding, but river levels
will remain well below the peaks recorded during the Christmas-New Year period.

Further rain is forecast for the eastern Darling Downs area from today through
to Tuesday which will cause renewed rises in creeks in the area, and may produce
renewed Condamine River rises.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding is generally easing in the Upper Condamine with
levels at Warwick currently steady just above minor flood level. Further rises
are possible during the next couple of days with the forecast heavy rainfall.

MYALL CREEK:
Flood levels have fallen below minor in Myall Creek at Dalby but rainfall has
started to fall in the upper reaches and renewed rises are expected during
Sunday night.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. Record flood levels peaked in the Barrackdale area during Friday night about 1.5 metres higher than the March 2010 flood level, but have only fallen about 20 centimetres. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days.

The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Sunday, the Balonne River at St George was 13.2 metres and holding at its peak which was reached during Saturday. Major flood levels will remain high (above 13 metres) during the next few days.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi area by mid-week and in the Hebel area later this week.

Predicted River Heights/Flows:
Balonne River at:

St George (manual) Remain above 13 metres during the next few days.

Next Issue:
The next warning will be issued at about 11pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.85m rising	02:24 PM SUN 09/01/11
Condamine R at Elbow Valley #	4.18m rising	02:52 PM SUN 09/01/11
Condamine R at Murrays Br #	6.3m falling	02:52 PM SUN 09/01/11
Condamine R @ Warwick(Scots Col.) *	3.29m steady	02:00 PM SUN 09/01/11
Condamine R at Warwick #	5.09m steady	02:34 PM SUN 09/01/11
Glengallan Ck near Backwater Ck #	1.35m steady	01:58 PM SUN 09/01/11
Condamine R at Tummaville *	7.16m falling	02:00 PM SUN 09/01/11
Condamine R at Centenary Br	6.9m falling slowly	09:00 AM SUN 09/01/11
North Condamine R at Lone Pine *	3.08m falling	01:00 PM SUN 09/01/11
Oakey Ck at Fairview *	4m falling	02:00 PM SUN 09/01/11
Condamine R at Loudoun Br *	5.09m rising	02:00 PM SUN 09/01/11
Myall Ck at Dalby #	1.09m falling	02:48 PM SUN 09/01/11
Condamine R at Warra-Kogan Rd Br	11.4m steady	06:00 AM SUN 09/01/11
Condamine R at Chinchilla Weir TW *	11.08m rising	02:30 PM SUN 09/01/11
Condamine R at Condamine	8.45m rising slowly	12:00 PM SUN 09/01/11
Condamine R at Cotswold *	13.22m steady	02:20 PM SUN 09/01/11
Balonne R at Warkon	11.09m steady	02:00 PM SUN 09/01/11
Yuleba Ck at Yuleba Forestry *	2.65m falling	02:20 PM SUN 09/01/11
Balonne R at Surat * (auto)	11.22m falling	02:40 PM SUN 09/01/11
Balonne R at Surat (manual)	11.8m falling slowly	06:00 AM SUN 09/01/11
Balonne R at Weribone *	12.72m falling	02:10 PM SUN 09/01/11
Balonne R at Warroo	14.98m falling slowly	05:30 AM SUN 09/01/11
Maranoa R at Old Cashmere *	3.53m steady	02:30 PM SUN 09/01/11
Balonne R at St George (manual)	13.2m steady	03:00 PM SUN 09/01/11
Balonne R at St George * (auto)	12.83m steady	02:30 PM SUN 09/01/11
Balonne R at Whyenbah	8.1m steady	09:00 AM SUN 09/01/11

Culgoa R at Woolerbilla *	6.31m rising	07:00 AM SUN 09/01/11
Balonne R Minor at Dirranbandi	5.3m rising slowly	06:00 AM SUN 09/01/11
Narran R at Dirranbandi-Hebel Rd *	5.25m steady	09:00 AM SUN 09/01/11
Ballandool R at Hebel-Bollon Rd *	3.69m steady	01:00 PM SUN 09/01/11
Bokhara R at Hebel *	1.85m steady	12:30 PM SUN 09/01/11

Warnings and River Height Bulletins are available at
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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 11:46 PM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls of between 50-80mm have been recorded in the Myall Creek catchment since 9am Sunday. River level rises and major flooding is being recorded at Clydesdale with at least moderate and possibly major floods levels likely at Dalby during Monday. Further rainfall is possible in the catchment overnight Sunday.

The Balonne River at St George reached a peak of 13.2 metres during Saturday and has remained steady at that level during Sunday. Major flood levels will remain high (above 13 metres) during the next few days.

Moderate to major flooding extends along the Condamine and Balonne River system. Rises will extend downstream of the Loudoun Bridge area to the Chinchilla Weir area during the next few days causing renewed major flooding, but river levels will remain well below the peaks recorded during the Christmas-New Year period.

Further rain is forecast for the eastern Darling Downs area during Monday into Tuesday which will cause renewed rises in creeks in the area, and may produce renewed Condamine River rises.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding is generally easing in the Upper Condamine with levels at Warwick currently steady just above minor flood level. Further rises are possible during the next couple of days with the forecast heavy rainfall.

MYALL CREEK:
Major flood levels continue to rise in Myall Creek in the Clydesdale area and minor flood levels are possible in the north Myall Creek at Moffatt during Monday morning. Minor flood levels at Dalby are rising with moderate flood levels likely during Monday and major flood levels possible during Monday night. Higher levels are possible with the forecast of further heavy rainfall.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks

recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. Record flood levels peaked in the Barrackdale area during Friday night about 1.5 metres higher than the March 2010 flood level, but have only fallen about 20 centimetres. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days.

The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9pm Sunday, the Balonne River at St George was 13.2 metres and holding at its peak which was reached during Saturday. Major flood levels will remain high (above 13 metres) during the next few days.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi area by mid-week and in the Hebel area later this week.

Predicted River Heights/Flows:
Myall Creek at Dalby: Reach 3 metres (moderate) by midday Monday
Possibly reach 3.5 metres (major) Monday night.

Balonne River at:

St George (manual) Remain above 13 metres during the next few days.

Next Issue:
The next warning will be issued at about 8am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.95m rising	10:33 PM SUN 09/01/11
Condamine R at Elbow Valley #	3.83m falling	10:43 PM SUN 09/01/11
Condamine R at Murrays Br #	6.2m rising	10:47 PM SUN 09/01/11
Condamine R @ Warwick(Scots Col.) *	3.11m falling	08:00 PM SUN 09/01/11
Condamine R at Warwick #	4.89m falling	10:19 PM SUN 09/01/11
Glengallan Ck near Backwater Ck #	2.3m rising	10:53 PM SUN 09/01/11
Condamine R at Tummaville *	6.96m falling	09:00 PM SUN 09/01/11
Condamine R at Centenary Br	6.87m falling slowly	06:00 PM SUN 09/01/11
North Condamine R at Lone Pine *	3.04m rising	09:00 PM SUN 09/01/11
Oakey Ck at Fairview *	3.8m falling	09:00 PM SUN 09/01/11
Condamine R at Loudoun Br *	5.29m rising	09:00 PM SUN 09/01/11
Myall Ck at Dalby #	2.09m rising	10:46 PM SUN 09/01/11
Condamine R at Warra-Kogan Rd Br	11.18m falling slowly	06:00 PM SUN 09/01/11
Condamine R at Chinchilla Weir TW *	11.34m steady	08:40 PM SUN 09/01/11
Condamine R at Condamine	8.35m falling slowly	04:00 PM SUN 09/01/11
Condamine R at Cotswold *	13.05m falling	08:40 PM SUN 09/01/11
Balonne R at Warkon	11.07m falling slowly	09:00 PM SUN 09/01/11
Yuleba Ck at Yuleba Forestry *	2.42m falling	08:40 PM SUN 09/01/11
Balonne R at Surat * (auto)	11.18m falling	08:50 PM SUN 09/01/11
Balonne R at Surat (manual)	11.65m falling slowly	08:00 PM SUN 09/01/11
Bungil Ck at Roma	2.2m steady	07:00 PM SUN 09/01/11
Balonne R at Weribone *	12.66m steady	08:40 PM SUN 09/01/11
Balonne R at Warroo	14.5m falling slowly	05:00 PM SUN 09/01/11
Maranoa R at Old Cashmere *	3.61m steady	08:00 PM SUN 09/01/11
Balonne R at St George (manual)	13.2m steady	09:00 PM SUN 09/01/11
Balonne R at St George * (auto)	12.85m rising	08:30 PM SUN 09/01/11
Balonne R at Whyenbah	8.1m steady	09:00 AM SUN 09/01/11

Culgoa R at Woolerbilla *	6.39m rising	10:10 PM SUN 09/01/11
Balonne R Minor at Dirranbandi	5.3m rising slowly	06:00 AM SUN 09/01/11
Narran R at Dirranbandi-Hebel Rd *	5.26m steady	03:00 PM SUN 09/01/11
Ballandool R at Hebel-Bollon Rd *	3.71m steady	08:00 PM SUN 09/01/11
Bokhara R at Hebel *	1.87m rising	08:20 PM SUN 09/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
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public and satellite phones.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 1:44 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls have eased in the catchment of Myall Creek during the last 3 hours and
further heavy rainfall is now more likely in south eastern Darling Downs. Major
flooding has peaked at Clydesdale and levels have remained below minor at
Moffatt. Rises continue at Dalby but flood levels are now expected to peak up to
the moderate flood level of 3 metres by 8am Monday.

Moderate to major flooding extends along the Condamine and Balonne River system
with major flooding extending from Warra-Kogan Road Bridge to Dirranbandi.

Further heavy rain is forecast for the south east Darling Downs including the
catchments of the Upper Condamine and Oakey Creek during Monday into Tuesday.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding is generally easing in the Upper Condamine with river
levels at Warwick currently steady just above minor flood level. Further rises
are possible during the next couple of days with the forecast heavy rainfall.

MYALL CREEK:
Rainfalls have eased in the catchment of Myall Creek during the last 3 hours and
further heavy rainfall is now more likely in south eastern Darling Downs. Major
flooding has peaked at Clydesdale and levels have remained below minor at
Moffatt. Rises continue at Dalby but flood levels are now expected to peak up to
the moderate flood level of 3 metres by 8am Monday.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next
several days. The river levels will however remain metres below the record peaks
recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone. River levels
in the area between Weribone and Barrackdale will be very slow to recede over

the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9pm Sunday, the Balonne River at St George was 13.2 metres and holding at its peak which was reached during Saturday. Major flood levels will remain high (above 13 metres) during the next few days.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi area by mid-week and in the Hebel area later this week.

Predicted River Heights/Flows:
Myall Creek at Dalby: Peak up to 3 metres (moderate flood level) by 8am Monday

Balonne River at:

St George (manual) Remain above 13 metres during the next few days.

Next Issue:
The next warning will be issued at about 10am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	1.2m rising	01:01 AM MON 10/01/11
Condamine R at Elbow Valley #	3.73m falling	12:24 AM MON 10/01/11
Condamine R at Murrays Br #	6.15m falling	12:38 AM MON 10/01/11
Condamine R @ Warwick(Scots Col.) *	2.97m falling	11:00 PM SUN 09/01/11
Condamine R at Warwick #	4.84m falling	11:53 PM SUN 09/01/11
Glengallan Ck near Backwater Ck #	2.65m rising	12:15 AM MON 10/01/11
Condamine R at Tummaville *	6.87m falling	11:00 PM SUN 09/01/11
Condamine R at Centenary Br	6.87m falling slowly	06:00 PM SUN 09/01/11
North Condamine R at Lone Pine *	3.13m rising	11:00 PM SUN 09/01/11
Oakey Ck at Fairview *	3.75m falling	11:00 PM SUN 09/01/11
Condamine R at Loudoun Br *	5.38m rising	11:00 PM SUN 09/01/11
Myall Ck at Dalby #	2.39m rising	12:52 AM MON 10/01/11
Condamine R at Warra-Kogan Rd Br	11.18m falling slowly	06:00 PM SUN 09/01/11
Condamine R at Chinchilla Weir TW *	11.44m rising	11:40 PM SUN 09/01/11
Condamine R at Condamine	8.35m falling slowly	04:00 PM SUN 09/01/11
Condamine R at Cotswold *	12.97m falling	11:40 PM SUN 09/01/11
Balonne R at Warkon	11.07m falling slowly	09:00 PM SUN 09/01/11
Yuleba Ck at Yuleba Forestry *	2.34m falling	11:40 PM SUN 09/01/11
Balonne R at Surat * (auto)	11.13m falling	11:50 PM SUN 09/01/11
Balonne R at Surat (manual)	11.65m falling slowly	08:00 PM SUN 09/01/11
Bungil Ck at Roma	2.2m steady	07:00 PM SUN 09/01/11
Balonne R at Weribone *	12.62m falling	11:40 PM SUN 09/01/11
Balonne R at Warroo	14.5m falling slowly	05:00 PM SUN 09/01/11
Maranoa R at Old Cashmere *	3.6m steady	11:00 PM SUN 09/01/11
Balonne R at St George (manual)	13.2m steady	09:00 PM SUN 09/01/11
Balonne R at St George * (auto)	12.81m falling	11:30 PM SUN 09/01/11
Balonne R at Whyenbah	8.1m steady	09:00 AM SUN 09/01/11
Culgoa R at Woolerbilla *	6.39m rising	10:10 PM SUN 09/01/11
Balonne R Minor at Dirranbandi	5.3m rising slowly	06:00 AM SUN 09/01/11
Narran R at Dirranbandi-Hebel Rd *	5.26m steady	03:00 PM SUN 09/01/11
Ballandool R at Hebel-Bollon Rd *	3.71m steady	08:00 PM SUN 09/01/11
Bokhara R at Hebel *	1.87m rising	08:20 PM SUN 09/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 6:13 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls have eased in the catchment of Myall Creek during the last 6 hours, although further rain periods will continue today. At 6am, Dalby was 3 metres and rising. Dalby is expected to reach about 3.5 metres by middday today, with possible further rises during the afternoon depending on upstream river levels and further rain.

Further heavy rain is forecast for the south east Darling Downs including the catchments of the Upper Condamine and Oakey Creek during Monday into Tuesday. Renewed rises and flooding is likely in tributary creeks and at Killarney to Warwick during the next 2 days with the forecast heavy rainfall.

Moderate to major flooding extends along the Condamine and Balonne River system with major flooding extending from Warra-Kogan Road Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding is generally easing in the Upper Condamine with river levels at Warwick falling below minor flood level. Renewed rises and flooding is likely in tributary creeks and at Killarney to Warwick during the next 2 days with the forecast heavy rainfall.

MYALL CREEK:
Rainfalls have eased in the catchment of Myall Creek during the last 6 hours, although further rain periods will continue today. At 6am, Dalby was 3 metres and rising. Dalby is expected to reach about 3.5 metres by middday today, with possible further rises during the afternoon depending on upstream river levels and further rain.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with some renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Monday, the Balonne River at St George was 13.2 metres and holding at its peak which was reached during Saturday. Major flood levels will remain high (above 13 metres) until mid-week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi area by mid-week and in the Hebel area later this week.

Predicted River Heights/Flows:
Myall Creek at Dalby: Reach 3.5 metres (major flood level) by midday Monday

Balonne River at:

St George (manual)   Remain above 13 metres during the next few days.

Next Issue:
The next warning will be issued at about 11am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	1.5m falling	05:23 AM MON 10/01/11
Condamine R at Elbow Valley #	3.68m steady	05:08 AM MON 10/01/11
Condamine R at Murrays Br #	5.95m falling	05:12 AM MON 10/01/11
Condamine R @ Warwick(Scots Col.) *	2.87m falling	03:00 AM MON 10/01/11
Condamine R at Warwick #	4.74m falling	04:35 AM MON 10/01/11
Condamine R at Tummaville *	6.72m falling	03:00 AM MON 10/01/11
Condamine R at Centenary Br	6.8m falling slowly	05:00 AM MON 10/01/11
North Condamine R at Lone Pine *	3.16m falling	03:00 AM MON 10/01/11
Oakey Ck at Fairview *	3.98m rising	03:00 AM MON 10/01/11
Condamine R at Loudoun Br *	5.55m rising	03:00 AM MON 10/01/11
Myall Ck at Dalby #	3.00m rising	06:00 AM MON 10/01/11
Condamine R at Warra-Kogan Rd Br	11.18m falling slowly	06:00 PM SUN 09/01/11
Condamine R at Chinchilla Weir TW *	11.53m rising	02:40 AM MON 10/01/11
Condamine R at Condamine	8.35m falling slowly	04:00 PM SUN 09/01/11
Condamine R at Cotswold *	12.88m falling	02:50 AM MON 10/01/11
Balonne R at Warkon	11.07m falling slowly	09:00 PM SUN 09/01/11
Yuleba Ck at Yuleba Forestry *	2.34m falling	11:40 PM SUN 09/01/11
Balonne R at Surat * (auto)	11.12m falling	02:50 AM MON 10/01/11
Balonne R at Surat (manual)	11.65m falling slowly	08:00 PM SUN 09/01/11
Bungil Ck at Roma	2.2m steady	07:00 PM SUN 09/01/11
Balonne R at Weribone *	12.6m falling	02:50 AM MON 10/01/11
Balonne R at Warroo	14.5m falling slowly	05:00 PM SUN 09/01/11
Maranoa R at Old Cashmere *	3.6m steady	02:00 AM MON 10/01/11
Balonne R at St George (manual)	13.2m steady	09:00 PM SUN 09/01/11
Balonne R at Whyenbah	8.1m steady	09:00 AM SUN 09/01/11
Culgoa R at Woolerbilla *	6.41m steady	04:00 AM MON 10/01/11
Balonne R Minor at Dirranbandi	5.3m rising slowly	06:00 AM SUN 09/01/11
Narran R at Dirranbandi-Hebel Rd *	5.26m rising slowly	03:00 PM SUN 09/01/11
Ballandool R at Hebel-Bollon Rd *	3.71m rising slowly	12:00 AM MON 10/01/11
Bokhara R at Hebel *	1.9m rising slowly	02:30 AM MON 10/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 10:53 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls have eased in the catchment of Myall Creek during the last 6 hours, although further rain periods will continue today. At 11am, Dalby was 3.4 metres and rising. Dalby is expected to reach about 3.5 metres by middday today, with possible further rises during the afternoon depending on upstream river levels and further rain.

Further heavy rain is forecast for the south east Darling Downs including the catchments of the Upper Condamine and Oakey Creek during Monday into Tuesday. Renewed rises and flooding is likely in tributary creeks and at Killarney to Warwick during the next 2 days with the forecast heavy rainfall.

Moderate to major flooding extends along the Condamine and Balonne River system with major flooding extending from Warra-Kogan Road Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Minor to moderate flooding is generally easing in the Upper Condamine with river levels at Warwick falling below minor flood level. Renewed rises and flooding is likely in tributary creeks and at Killarney to Warwick during the next 2 days with the forecast heavy rainfall.

MYALL CREEK:
Rainfalls have eased in the catchment of Myall Creek during the last 6 hours, although further rain periods will continue today. At 11am, Dalby was 3.4 metres and rising. Dalby is expected to reach about 3.5 metres by midday today, with possible further rises during the afternoon depending on upstream river levels and further rain.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with some renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9am Monday, the Balonne River at St George was 13.18 metres and holding at its peak which was reached during Saturday. Major flood levels will remain high (above 13 metres) until mid-week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi area by mid-week and in the Hebel area later this week.

Predicted River Heights/Flows:
Myall Creek at Dalby: Reach 3.5 metres (major flood level) by midday Monday

Balonne River at:

St George (manual)   Remain above 13 metres during the next few days.

Next Issue:
The next warning will be issued at about 5pm Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	4.1m falling	10:38 AM MON 10/01/11
Condamine R at Elbow Valley #	4.78m rising	10:34 AM MON 10/01/11
Condamine R at Murrays Br #	5.95m rising	10:26 AM MON 10/01/11
Condamine R @ Warwick(Scots Col.) *	2.75m steady	09:24 AM MON 10/01/11
Condamine R at Warwick #	4.69m steady	08:34 AM MON 10/01/11
Glengallan Ck near Backwater Ck #	2.15m falling	09:36 AM MON 10/01/11
Condamine R at Tummaville *	6.56m falling	09:00 AM MON 10/01/11
Condamine R at Centenary Br	6.77m falling slowly	09:00 AM MON 10/01/11
North Condamine R at Lone Pine *	3.11m rising	09:00 AM MON 10/01/11
Oakey Ck at Fairview *	5.83m rising	09:30 AM MON 10/01/11
Condamine R at Loudoun Br *	5.94m rising	09:00 AM MON 10/01/11
Myall Ck at Dalby #	3.39m rising	10:26 AM MON 10/01/11
Condamine R at Warra-Kogan Rd Br	10.86m falling	09:00 AM MON 10/01/11
Condamine R at Chinchilla Weir TW *	11.65m rising	08:10 AM MON 10/01/11
Condamine R at Condamine	8.35m steady	08:00 AM MON 10/01/11
Condamine R at Cotswold *	12.73m falling	08:30 AM MON 10/01/11
Balonne R at Warkon	10.99m falling slowly	09:00 AM MON 10/01/11
Yuleba Ck at Yuleba Forestry *	2.24m falling	08:00 AM MON 10/01/11
Balonne R at Surat * (auto)	11.07m falling	08:50 AM MON 10/01/11
Balonne R at Surat (manual)	11.55m falling slowly	06:00 AM MON 10/01/11
Bungil Ck at Roma	2.2m steady	07:00 PM SUN 09/01/11
Balonne R at Weribone *	12.54m falling	08:50 AM MON 10/01/11
Balonne R at Warroo	14.9m falling slowly	06:00 AM MON 10/01/11
Maranoa R at Old Cashmere *	3.57m steady	08:00 AM MON 10/01/11
Balonne R at St George (manual)	13.18m falling	09:00 AM MON 10/01/11
Balonne R at St George * (auto)	12.8m falling	08:50 AM MON 10/01/11
Balonne R at Whyenbah	8.11m steady	09:00 AM MON 10/01/11
Culgoa R at Woolerbilla *	6.42m steady	07:00 AM MON 10/01/11
Balonne R Minor at Dirranbandi	5.3m steady	06:00 AM MON 10/01/11
Narran R at Dirranbandi-Hebel Rd *	5.3m steady	08:00 AM MON 10/01/11
Ballandool R at Hebel-Bollon Rd *	3.74m rising	08:00 AM MON 10/01/11
Bokhara R at Hebel *	1.92m rising	08:00 AM MON 10/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 5:25 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfalls have eased in the catchment of Myall Creek during Monday although although further rain periods are likely during tonight and Tuesday morning. At 5pm, Myall Creek at Dalby was 3.74 metres and rising slowly at major flood level. A peak is expected at Dalby in the next 3 to 6 hours but renewed rises are still possible overnight Monday but dependent on further heavy rainfall.

Rises have been recorded during Monday in the Upper Condamine with moderate flood levels expected at Warwick overnight Monday.

Very heavy rainfall and flash flooding has been recorded in the Toowoomba area during Monday afternoon. Rises are expected in Gowrie Creek to Oakey during tonight and Tuesday.

Further heavy rain is forecast for the south east Darling Downs including the catchments of the Upper Condamine and Oakey Creek during Monday into Tuesday.

Moderate to major flooding extends along the Condamine and Balonne River system with major flooding extending from Warra-Kogan Road Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Rises and major flooding has developed in the upper Condamine river at Murrays Bridge. Rises to 6 metres (moderate flood level) are expected downstream at Warwick during Monday night.

MYALL CREEK:
Rainfalls have eased in the catchment of Myall Creek during Monday although further rain periods are likely during tonight and Tuesday morning. At 5pm, Myall Creek at Dalby was 3.74 metres and rising at major flood level. This level is about 0.2 metres higher then peak recorded on 27th December 2010.

A peak is expected at Dalby in the next 3 to 6 hours but renewed rises are still possible overnight Monday but dependent on further heavy rainfall.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with some renewed rises expected during the next several days. The river levels will however remain metres below the record peaks recorded during the first week of January.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with some renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 3pm Monday, the Balonne River at St George was 13.14 metres and holding at its peak which was reached during Saturday. Major flood levels will remain high (above 13 metres) until mid-week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. The peak flow will be in the Dirranbandi during Wednesday and in the Hebel area later this week.

Predicted River Heights/Flows:

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Condamine R at Warwick   Reach 6 metres (moderate) during Monday night.

Myall Creek at Dalby     Major flood peak in the next 3 to 6 hours.
                         Remain high during Tuesday.

Balonne R at St George (manual)  Remain above 13 metres for the next few days.

Next Issue:
The next warning will be issued at about 10pm Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Condamine R at Killarney #          3.65m falling         05:18 PM MON 10/01/11
Condamine R at Elbow Valley #       5.28m steady          05:08 PM MON 10/01/11
Condamine R at Murrays Br #         7.5m rising           04:32 PM MON 10/01/11
Condamine R @ Warwick(Scots Col.) * 3.43m rising          04:00 PM MON 10/01/11
Condamine R at Warwick              5.2m rising           04:41 PM MON 10/01/11
Glengallan Ck near Backwater Ck #   4.4m rising           05:21 PM MON 10/01/11
Condamine R at Tummaville *         6.53m rising          04:00 PM MON 10/01/11
Condamine R at Centenary Br         6.75m falling slowly  03:00 PM MON 10/01/11
North Condamine R at Lone Pine *    3.19m steady          04:00 PM MON 10/01/11
Oakey Ck at Fairview *              6.39m steady          04:00 PM MON 10/01/11
Condamine R at Loudoun Br *         6.35m rising          04:00 PM MON 10/01/11
Myall Ck at Dalby #                 3.74m rising          04:44 PM MON 10/01/11
Condamine R at Warra-Kogan Rd Br    10.6m falling slowly  03:00 PM MON 10/01/11
Condamine R at Chinchilla Weir TW * 11.71m rising         02:20 PM MON 10/01/11
Condamine R at Condamine            8.35m steady          08:00 AM MON 10/01/11
Condamine R at Cotswold *           12.56m falling        02:50 PM MON 10/01/11
Balonne R at Warkon                 10.99m falling slowly 09:00 AM MON 10/01/11
Yuleba Ck at Yuleba Forestry *      2.17m steady          02:10 PM MON 10/01/11
Balonne R at Surat * (auto)         11m rising            03:00 PM MON 10/01/11
Balonne R at Surat (manual)         11.55m falling slowly 06:00 AM MON 10/01/11
Bungil Ck at Roma                   2.2m steady           07:00 PM SUN 09/01/11
Balonne R at Weribone *             12.47m falling        03:00 PM MON 10/01/11
Balonne R at Warroo                 14.9m falling slowly  06:00 AM MON 10/01/11
Maranoa R at Old Cashmere *         3.56m steady          03:00 PM MON 10/01/11
Balonne R at St George (manual)     13.14m falling        03:00 PM MON 10/01/11
Balonne R at St George * (auto)     12.77m rising         02:30 PM MON 10/01/11
Balonne R at Whyenbah               8.11m steady          09:00 AM MON 10/01/11
Culgoa R at Woolerbilla *           6.43m steady          01:00 PM MON 10/01/11
Balonne R Minor at Dirranbandi      5.3m steady           06:00 AM MON 10/01/11
Narran R at Dirranbandi-Hebel Rd *  5.31m steady          03:00 PM MON 10/01/11
Ballandool R at Hebel-Bollon Rd *   3.76m steady          01:10 PM MON 10/01/11
Bokhara R at Hebel *                1.97m rising          01:40 PM MON 10/01/11

*,# automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
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Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 10:32 PM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flood levels have steadied in Myall Creek at Dalby and a moderate flood peak is expected in the upper Condamine River at Warwick by midnight Monday. Fast rises and major flooding is developing in Hodgson and Dalrymple Creeks and is expected in the Condamine River downstream of Warwick to Tummaville during Tuesday and Wednesday.

Heavy rainfall of up to 200 millimetres has been recorded in the catchment of Charleys Creek just upstream of the Chinchilla area and fast rises to major flood levels are expected at Chinchilla during Tuesday.

Very heavy rainfall and flash flooding has been recorded in the Toowoomba area during Monday afternoon and rises are occurring in Gowrie Creek.

Further heavy rain is forecast for the south east Darling Downs including the catchments of the Upper Condamine, Myall Creek and Charleys Creek during Monday night and into Tuesday.

Moderate to major flooding extends along the Condamine and Balonne River system with major flooding extending from Loudoun Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Major flooding is easing in the upper Condamine River at Murrays Bridge. A moderate flood peak is expected in the upper Condamine River at Warwick by midnight Monday. Fast rises are occuring in the tributary streams downstream of Warwick with renewed rises and major flooding expected downstream to Tummaville during the next few days. These rises will extend downstream to Loudoun Bridge by the end of this week.

MYALL CREEK:
River levels have steadied at around 3.74 metres in Myall Creek at Dalby. This level is about 0.2 metres higher then peak recorded on 27th December 2010. Further heavy rainfall and renewed rises are possible at Dalby during tonight and Tuesday.

CHARLEYS CREEK:
Very heavy rainfall of up to 200 millimetres has been reported in the catchment of Charleys Creek in the area near Chinchilla. Fast rises will continue during tonight at Chinchilla with levels expected to reach 7 metres (major) during Tuesday morning and possibly above 7.5 metres later Tuesday.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next several days. Flood levels could reach the high levels of late December 2010 at Condamine but it is too early to make peak predictions.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9pm Monday, the Balonne River at St George was 13.12 metres and falling slowly. Major flood levels will remain high (above 13 metres) until mid-week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow will be in the Dirranbandi during Wednesday and in the Hebel area later this week.

Predicted River Heights/Flows:

Condamine R at Warwick	Peak up 6.5 metres (moderate) by midnight Monday.
Charleys Creek at Chinchilla	Reach 7 metres (major) during Tuesday morning Possibly reach 7.5 metres Tuesday afternoon
Myall Creek at Dalby	Further rises and high level major flooding possible if heavy rainfall returns to the catchment.
Balonne R at St George (manual)	Remain above 13 metres for the next few days.

Next Issue:
The next warning will be issued at about 7am Monday or earlier if required.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	2.75m	falling	09:37 PM MON 10/01/11
Condamine R at Elbow Valley #	5.43m	rising	09:15 PM MON 10/01/11
Condamine R at Murrays Br #	7.45m	falling	09:39 PM MON 10/01/11
Condamine R @ Warwick(Scots Col.) *	4.62m	rising	08:20 PM MON 10/01/11
Condamine R at Warwick #	6.2m	rising	04:41 PM MON 10/01/11
Glengallan Ck near Backwater Ck #	4.55m	falling	09:06 PM MON 10/01/11
Condamine R at Tummaville *	7.1m	rising	08:00 PM MON 10/01/11
Condamine R at Centenary Br	6.72m	falling slowly	06:00 PM MON 10/01/11
North Condamine R at Lone Pine *	3.12m	falling	09:00 PM MON 10/01/11
Oakey Ck at Fairview *	6.39m	steady	08:00 PM MON 10/01/11
Condamine R at Loudoun Br *	6.45m	rising	08:00 PM MON 10/01/11
Myall Ck at Dalby #	3.69m	steady	09:03 PM MON 10/01/11
Condamine R at Warra-Kogan Rd Br	10.58m	falling slowly	06:00 PM MON 10/01/11
Condamine R at Chinchilla Weir TW *	11.96m	rising	08:30 PM MON 10/01/11
Charleys Ck at Chinchilla	4.93m	rising	09:10 PM MON 10/01/11
Condamine R at Condamine	9.55m	rising fast	08:30 PM MON 10/01/11
Condamine R at Cotswold *	12.59m	rising	08:00 PM MON 10/01/11
Balonne R at Warkon	10.99m	falling slowly	09:00 AM MON 10/01/11
Yuleba Ck at Yuleba Forestry *	2.17m	rising	08:10 PM MON 10/01/11
Balonne R at Surat * (auto)	10.92m	rising	08:50 PM MON 10/01/11
Balonne R at Surat (manual)	11.55m	falling slowly	06:00 AM MON 10/01/11
Balonne R at Weribone *	12.41m	falling	08:50 PM MON 10/01/11
Balonne R at Warroo	14.9m	falling slowly	06:00 AM MON 10/01/11
Maranoa R at Old Cashmere *	3.57m	steady	08:00 PM MON 10/01/11
Balonne R at St George (manual)	13.12m	falling slowly	09:00 PM MON 10/01/11
Balonne R at St George * (auto)	12.74m	falling	08:20 PM MON 10/01/11
Balonne R at Whyenbah	8.11m	steady	09:00 AM MON 10/01/11
Culgoa R at Woolerbilla *	6.47m	rising	07:30 PM MON 10/01/11
Balonne R Minor at Dirranbandi	5.3m	steady	06:00 AM MON 10/01/11
Narran R at Dirranbandi-Hebel Rd *	5.31m	steady	03:00 PM MON 10/01/11
Ballandool R at Hebel-Bollon Rd *	3.8m	steady	08:00 PM MON 10/01/11
Bokhara R at Hebel *	2.03m	rising	08:30 PM MON 10/01/11

*,# from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 6:55 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

A return to flood levels of around 3.7 metres is expected at Dalby later today. Moderate flooding is rising at Warwick. Fast rises and major flooding are developing in Hodgson and Dalrymple Creeks and are expected in the Condamine River downstream of Warwick to Tummaville during Tuesday and Wednesday.

Heavy rainfall of up to 200 millimetres has been recorded in the catchment of Charleys Creek just upstream of the Chinchilla area and fast rises to major flood levels are expected at Chinchilla during Tuesday.

Very heavy rainfall and flash flooding has been recorded in the Toowoomba area during Monday afternoon and rises continue in Gowrie Creek.

Further heavy rain is forecast for the south east Darling Downs including the catchments of the Upper Condamine, Myall Creek and Charleys Creek during Tuesday.

Moderate to major flooding extends along the Condamine and Balonne River system with major flooding extending from Loudoun Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Major flooding is rising again in the upper Condamine River at Murrays Bridge. Moderate flood leves will continue in the upper Condamine River at Warwick. It is not possible to foreacst a peak at this stage with continued rainfall.

Further heavy rainfall is occurring this morning and renewed fast rises are likely in the tributary streams downstream of Warwick with renewed rises and major flooding expected downstream to Tummaville during the next few days. These rises will extend downstream to Loudoun Bridge by the end of this week.

MYALL CREEK:
River levels have fallen slightly and are currently around 3.5 metres at 6am at Dalby. Levels are likley to fall slightly during today but further rises are forecast with levels returning to about 3.7 metres today.

CHARLEYS CREEK:
Very heavy rainfall of up to 200 millimetres was reported in the catchment yesterday. Fast rises will continue during today at Chinchilla with levels expected to reach 7 metres (major) during Tuesday and possibly above 7.5 metres.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next several days. Flood levels could reach the high levels of late December 2010 at

Condamine but it is too early to make peak predictions.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Tuesday, the Balonne River at St George was 13.1 metres and falling slowly. Major flood levels will remain high (above 13 metres) until Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow will be in the Dirranbandi during Wednesday and in the Hebel area later this week.

Predicted River Heights/Flows:
Condamine R at Warwick Peak up 6.5 metres (moderate) during Tuesday. Further rises are possible as rainfall continues.

Charleys Creek at Chinchilla Reach 7 metres (major) during Tuesday morning
Possibly reach 7.5 metres Tuesday afternoon

Myall Creek at Dalby Fall this morning before rising again with a peak expected overnight to around 3.7 metres again.

Balonne R at St George (manual) Remain above 13 metres for the next few days.

Next Issue:
The next warning will be issued at about 2pm Tuesday or earlier if required.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	4.5m rising	06:10 AM TUE 11/01/11
Condamine R at Elbow Valley #	5.53m rising	05:31 AM TUE 11/01/11
Condamine R at Murrays Br #	7.5m rising	05:45 AM TUE 11/01/11
Condamine R @ Warwick(Scots Col.) *	5.18m steady	05:08 AM TUE 11/01/11
Glengallan Ck near Backwater Ck #	4.5m falling	06:05 AM TUE 11/01/11
Condamine R at Tummaville *	9.77m rising	05:00 AM TUE 11/01/11
Condamine R at Centenary Br	6.8m rising	05:00 AM TUE 11/01/11
North Condamine R at Lone Pine *	3.76m rising	05:00 AM TUE 11/01/11
Oakey Ck at Fairview *	6.39m steady	05:00 AM TUE 11/01/11
Condamine R at Loudoun Br *	6.65m rising	05:00 AM TUE 11/01/11
Myall Ck at Dalby #	3.49m falling	06:08 AM TUE 11/01/11
Condamine R at Warra-Kogan Rd Br	10.58m falling slowly	06:00 PM MON 10/01/11
Condamine R at Chinchilla Weir TW *	12.18m rising	05:20 AM TUE 11/01/11
Charleys Ck at Chinchilla	6.24m rising slowly	06:00 AM TUE 11/01/11
Condamine R at Condamine	9.95m rising	12:00 AM TUE 11/01/11
Condamine R at Cotswold *	12.74m steady	05:30 AM TUE 11/01/11
Yuleba Ck at Yuleba Forestry *	2.46m rising	05:30 AM TUE 11/01/11
Balonne R at Surat * (auto)	10.83m falling	05:30 AM TUE 11/01/11
Balonne R at Weribone *	12.34m steady	05:00 AM TUE 11/01/11
Maranoa R at Old Cashmere *	3.52m steady	05:20 AM TUE 11/01/11
Balonne R at St George (manual)	13.08m falling slowly	06:00 AM TUE 11/01/11
Balonne R at St George * (auto)	12.69m falling	05:20 AM TUE 11/01/11
Balonne R at Whyenbah	8.11m steady	09:00 AM MON 10/01/11
Culgoa R at Woolerbilla *	6.48m steady	04:00 AM TUE 11/01/11
Narran R at Dirranbandi-Hebel Rd *	5.31m steady	03:00 PM MON 10/01/11
Ballandool R at Hebel-Bollon Rd *	3.84m rising	11:40 PM MON 10/01/11

Bokhara R at Hebel * 2.1m steady 05:30 AM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 12:30 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

A return to flood levels of around 3.7 metres is expected at Dalby later today.
Major flood levels are forecast of at least 7.3 metres at Warwick. Fast rises
and major flooding are developing in Hodgson and Dalrymple Creeks and are
expected in the Condamine River downstream of Warwick to Tummaville during
Tuesday and Wednesday.

Heavy rainfall of up to 200 millimetres has been recorded in the catchment of
Charleys Creek just upstream of the Chinchilla area and fast rises to major
flood levels are expected at Chinchilla during Tuesday.

Very heavy rainfall and flash flooding has been recorded in the Toowoomba area
during Monday afternoon and rises continue in Gowrie Creek.

Further heavy rain is forecast for the south east Darling Downs including the
catchments of the Upper Condamine, Myall Creek and Charleys Creek during
Tuesday.

Moderate to major flooding extends along the Condamine and Balonne River system
with major flooding extending from Loudoun Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Major flooding is rising again in the upper Condamine River at Murrays Bridge.
Moderate flood leves will continue in the upper Condamine River at Warwick.
Major flood levels to at least 7.3 metres are foreacst during today and
overnight tonight.

Further heavy rainfall is occurring this morning and renewed fast rises are
likely in the tributary streams downstream of Warwick with renewed rises and
major flooding expected downstream to Tummaville during the next few days. These
rises will extend downstream to Loudoun Bridge by the end of this week.

MYALL CREEK:
River levels have fallen slightly and are currently around 3.5 metres at 6am at
Dalby. Levels are likley to fall slightly during today but further rises are
forecast with levels returning to about 3.7 metres today.

CHARLEYS CREEK:
Very heavy rainfall of up to 200 millimetres was reported in the catchment yesterday. Fast rises will continue during today at Chinchilla with levels expected to reach 7 metres (major) during Tuesday and possibly above 7.5 metres.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next several days. Flood levels could reach the high levels of late December 2010 at Condamine but it is too early to make peak predictions.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Tuesday, the Balonne River at St George was 13.1 metres and falling slowly. Major flood levels will remain high (above 13 metres) until Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow will be in the Dirranbandi during Wednesday and in the Hebel area later this week.

Predicted River Heights/Flows:
Condamine R at Warwick Major flood levels of 7.3 metres later today
and overnight. Further rises are possible as rainfall
continues.

Charleys Creek at Chinchilla Reach 7 metres (major) during Tuesday morning
Possibly reach 7.5 metres Tuesday afternoon

Myall Creek at Dalby Fall this morning before rising again with a peak
expected overnight to around 3.7 metres again.

Balonne R at St George (manual) Remain above 13 metres for the next few days.

Next Issue:
The next warning will be issued at about 2pm Tuesday or earlier if required.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	6.25m rising	11:53 AM TUE 11/01/11
Condamine R at Elbow Valley #	6.33m rising	12:20 PM TUE 11/01/11
Condamine R at Murrays Br #	8.15m rising	12:09 PM TUE 11/01/11
Condamine R @ Warwick(Scots Col.) *	6.05m rising	11:30 AM TUE 11/01/11
Condamine R at Warwick #	6.2m rising	04:41 PM MON 10/01/11
Glengallan Ck near Backwater Ck #	4.75m falling	12:17 PM TUE 11/01/11
Condamine R at Tummaville *	10.07m falling	11:00 AM TUE 11/01/11
Condamine R at Centenary Br	7.1m rising	10:45 AM TUE 11/01/11
North Condamine R at Lone Pine *	4.42m rising	11:00 AM TUE 11/01/11
Oakey Ck at Fairview *	6.39m steady	11:00 AM TUE 11/01/11
Condamine R at Loudoun Br *	6.78m rising	11:00 AM TUE 11/01/11
Myall Ck at Dalby #	3.14m falling	12:03 PM TUE 11/01/11
Condamine R at Warra-Kogan Rd Br	12.4m rising fast	12:00 PM TUE 11/01/11
Condamine R at Chinchilla Weir TW *	12.22m rising	11:30 AM TUE 11/01/11
Charleys Ck at Chinchilla	6.37m rising slowly	09:50 AM TUE 11/01/11
Condamine R at Condamine	10.35m rising slowly	07:00 AM TUE 11/01/11

Condamine R at Cotswold *	12.87m rising	11:40 AM TUE 11/01/11
Yuleba Ck at Yuleba Forestry *	2.49m falling	11:20 AM TUE 11/01/11
Balonne R at Surat * (auto)	10.73m rising	11:50 AM TUE 11/01/11
Balonne R at Surat (manual)	12.22m falling	12:00 PM TUE 11/01/11
Bungil Ck at Roma	5m rising	11:45 AM TUE 11/01/11
Balonne R at Weribone *	12.26m falling	11:50 AM TUE 11/01/11
Maranoa R at Old Cashmere *	3.43m falling	11:50 AM TUE 11/01/11
Balonne R at St George (manual)	13.02m falling	11:45 AM TUE 11/01/11
Balonne R at St George * (auto)	12.68m steady	11:00 AM TUE 11/01/11
Culgoa R at Woolerbilla *	6.49m steady	10:00 AM TUE 11/01/11
Balonne R Minor at Dirranbandi	5.33m rising slowly	06:00 AM TUE 11/01/11
Narran R at Dirranbandi-Hebel Rd *	5.32m rising	12:00 PM TUE 11/01/11
Ballandool R at Hebel-Bollon Rd *	4.01m rising	11:20 AM TUE 11/01/11
Bokhara R at Hebel *	2.13m rising	10:10 AM TUE 11/01/11

*automatic station

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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 2:15 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

A return to flood levels of around 3.8 metres is expected at Dalby tonight.
Major flood levels are forecast of at least 7.3 metres at Warwick during this
afternoon. Major flooding has developed along the Condamine River downstream
from Warwick to Tummaville and will continue during Wednesday.

Heavy rainfall of up to 200 millimetres has been recorded in the catchment of
Charleys Creek just upstream of the Chinchilla area and fast rises and major
flooding has developed at Chinchilla.

Very heavy rainfall and flash flooding has been recorded in the Toowoomba area
during Monday afternoon and rises continue downstream in Gowrie Creek.

Further heavy rain is forecast for the south east Darling Downs including the
catchments of the Upper Condamine and Myall Creek during Tuesday.

Moderate to major flooding extends along the Condamine and Balonne River system
with major flooding extending from Loudoun Bridge to Dirranbandi.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Major flooding is extending along the Condamine River from Murrays Bridge to
Loudoun Bridge. Rises continue at Warwick where river levels are expected to
reach at leat 7.3 metres during this afternoon.

Heavy rainfall continues to fall over the Upper Condamine area which may cause further rises.

MYALL CREEK:
River levels at Dalby have fallen and are currently around 3.1 metres at 1pm Tuesday. Further rises are expected with river levels returning to about 3.8 metres tonight.

CHARLEYS CREEK:
Very heavy rainfall of up to 200 millimetres was reported in the catchment yesterday. Fast rises will continue during today at Chinchilla with levels expected to reach 7 metres (major) later Tuesday and possibly above 7.5 metres overnight.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next several days. Flood levels should exceed 13 metres during Thursday and reach near the high levels of late December 2010 at Condamine, but it is too early to make peak predictions.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with renewed rises expected over the next several days. River levels in the area between Weribone and Barrackdale will be very slow to recede over the next few days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 11am Tuesday, the Balonne River at St George was 13.02 metres and falling slowly. Major flood levels will remain high (around 13 metres) until Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow will be in the Dirranbandi during Wednesday and in the Hebel area later this week.

Predicted River Heights/Flows:

Condamine R at:	
Warwick	Major flood levels of 7.3 metres during this afternoon. Further rises are possible as rainfall continues.
Condamine	Exceed 13 metres during Thursday. Reach higher levels going into the weekend.
Charleys Creek at:	
Chinchilla	Reach 7 metres (major) during Tuesday night. Possibly reach 7.5 metres overnight and Wednesday.
Myall Creek at:	
Dalby	Fall this morning before rising again with a peak expected overnight to around 3.8 metres.
Balonne R at:	
St George (manual)	Remain above 13 metres for the next few days.

Next Issue:

The next warning will be issued at about 6pm Tuesday or earlier if required.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	6.25m rising	11:53 AM TUE 11/01/11
Condamine R at Elbow Valley #	6.48m rising	01:02 PM TUE 11/01/11
Condamine R at Murrays Br #	8.25m rising	01:07 PM TUE 11/01/11
Condamine R @ Warwick(Scots Col.) *	6.27m rising	12:22 PM TUE 11/01/11
Condamine R at Warwick #	6.2m rising	04:41 PM MON 10/01/11
Glengallan Ck near Backwater Ck #	4.75m falling	01:07 PM TUE 11/01/11
Condamine R at Tummaville *	10.05m falling	12:00 PM TUE 11/01/11
Condamine R at Centenary Br	7.1m rising	10:45 AM TUE 11/01/11
North Condamine R at Lone Pine *	4.45m rising	12:00 PM TUE 11/01/11
Oakey Ck at Fairview *	6.4m steady	12:00 PM TUE 11/01/11
Condamine R at Loudoun Br *	6.8m rising	12:00 PM TUE 11/01/11
Myall Ck at Dalby #	3.09m falling	01:03 PM TUE 11/01/11
Condamine R at Warra-Kogan Rd Br	12.4m rising fast	12:00 PM TUE 11/01/11
Condamine R at Chinchilla Weir TW *	12.22m rising	11:30 AM TUE 11/01/11
Charleys Ck at Chinchilla	6.68m rising	12:30 PM TUE 11/01/11
Condamine R at Condamine	10.5m rising slowly	12:00 PM TUE 11/01/11
Condamine R at Cotswold *	12.87m rising	11:40 AM TUE 11/01/11
Yuleba Ck at Yuleba Forestry *	2.49m falling	11:20 AM TUE 11/01/11
Balonne R at Surat * (auto)	10.73m rising	11:50 AM TUE 11/01/11
Balonne R at Surat (manual)	12.22m falling	12:00 PM TUE 11/01/11
Bungil Ck at Roma	5m rising	11:45 AM TUE 11/01/11
Balonne R at Weribone *	12.26m falling	11:50 AM TUE 11/01/11
Maranoa R at Old Cashmere *	3.43m falling	11:50 AM TUE 11/01/11
Balonne R at St George (manual)	13.02m falling	11:45 AM TUE 11/01/11
Balonne R at St George * (auto)	12.68m steady	11:00 AM TUE 11/01/11
Culgoa R at Woolerbilla *	6.49m steady	10:00 AM TUE 11/01/11
Balonne R Minor at Dirranbandi	5.33m rising slowly	06:00 AM TUE 11/01/11
Narran R at Dirranbandi-Hebel Rd *	5.32m rising	12:00 PM TUE 11/01/11
Ballandool R at Hebel-Bollon Rd *	4.01m rising	11:20 AM TUE 11/01/11
Bokhara R at Hebel *	2.13m rising	10:10 AM TUE 11/01/11

*, # denotes automatic station.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 6:44 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues to rise and effect the towns of Warwick, Dalby and
Chinchilla in the Upper Condamine River system. Moderate to major flooding
extends along the entire Condamine and Balonne Rivers.

Heavy rain areas and local thunderstorms are expected to continue tonight through the Southeast Coast and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi. Heavy falls will lead to further localised flash flooding and will worsen existing river flooding.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Major flooding is extending along the Condamine River from Murrays Bridge to Loudoun Bridge. Rises continue at Warwick where river levels are forecast to reach 8.5 metres during tonight with major flooding. This is 0.6 metres higher than the peak reached in December 2010.

Heavy rainfall continues to fall over the Upper Condamine area which may cause further rises.

MYALL CREEK:
River levels at Dalby have fallen and are currently around 3.05 metres at 3pm Tuesday. Further rises are expected with river levels returning to about 3.8 metres tonight.

CHARLEYS CREEK:
At 5.30pm, Charleys Creek at Chinchilla was 6.9 metres and steady. Further rises are expected during Wednesday with levels up to 7.5 metres possible.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next few days. At Condamine Township, flood levels should exceed 13 metres during Thursday and continue rising.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with renewed rises expected over the next several days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6pm Tuesday, the Balonne River at St George was 12.99 metres and falling slowly. Major flood levels will remain high (around 13 metres) into Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow is currently in the Dirranbandi area and will reach the Hebel area later this week.

Predicted River Heights/Flows:

Condamine R at:	
Warwick	Reach 8.5 metres during this evening. Further rises are possible as rainfall continues.
Condamine	Exceed 13 metres during Thursday. Reach higher levels going into the weekend.
Charleys Creek at:	
Chinchilla	Reach 7 metres (major) during Tuesday night. Possibly reach 7.5 metres during Wednesday.
Myall Creek at:	
Dalby	Reach 3.8 metres (major) during Wednesday morning.
Balonne R at:	
St George (manual)	Remain around 13 metres until Thursday.

Next Issue:
The next warning will be issued at about 11pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	6.25m rising	11:53 AM TUE 11/01/11
Condamine R at Elbow Valley #	6.78m steady	05:08 PM TUE 11/01/11
Condamine R at Murrays Br #	8.9m falling	05:56 PM TUE 11/01/11
Condamine R @ Warwick(Scots Col.) *	7.47m rising	05:50 PM TUE 11/01/11
Condamine R at Warwick #	8.05m rising	05:30 PM TUE 11/01/11
Glengallan Ck near Backwater Ck #	4.75m rising	05:55 PM TUE 11/01/11
Condamine R at Tummaville *	10.09m rising	05:00 PM TUE 11/01/11
Condamine R at Centenary Br	7.05m steady	05:00 PM TUE 11/01/11
North Condamine R at Lone Pine *	4.57m rising	05:00 PM TUE 11/01/11
Oakey Ck at Fairview *	6.4m steady	05:00 PM TUE 11/01/11
Condamine R at Loudoun Br *	6.92m rising	05:00 PM TUE 11/01/11
Myall Ck at Dalby #	3.04m steady	03:03 PM TUE 11/01/11
Condamine R at Warra-Kogan Rd Br	12.73m rising	03:00 PM TUE 11/01/11
Condamine R at Chinchilla Weir TW *	12.28m rising	05:10 PM TUE 11/01/11
Charleys Ck at Chinchilla	6.8m rising	02:00 PM TUE 11/01/11
Condamine R at Condamine	10.6m rising	03:00 PM TUE 11/01/11
Condamine R at Cotswold *	13.03m rising	05:20 PM TUE 11/01/11
Yuleba Ck at Yuleba Forestry *	2.3m falling	05:10 PM TUE 11/01/11
Balonne R at Surat * (auto)	10.72m rising	05:30 PM TUE 11/01/11
Balonne R at Surat (manual)	11.18m falling slowly	05:50 PM TUE 11/01/11
Bungil Ck at Roma	4.75m falling slowly	02:30 PM TUE 11/01/11
Balonne R at Weribone *	12.2m falling	05:30 PM TUE 11/01/11
Maranoa R at Old Cashmere *	3.36m steady	05:10 PM TUE 11/01/11
Balonne R at St George (manual)	13m falling	03:00 PM TUE 11/01/11
Balonne R at St George * (auto)	12.62m rising	05:40 PM TUE 11/01/11
Culgoa R at Woolerbilla *	6.5m steady	01:00 PM TUE 11/01/11
Balonne R Minor at Dirranbandi	5.33m rising slowly	06:00 AM TUE 11/01/11
Narran R at Dirranbandi-Hebel Rd *	5.32m steady	05:00 PM TUE 11/01/11
Ballandool R at Hebel-Bollon Rd *	4.12m rising	05:20 PM TUE 11/01/11
Bokhara R at Hebel *	2.17m rising	05:30 PM TUE 11/01/11

*,# from automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 11:07 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues to rise and effect the towns of Warwick, Dalby and
Chinchilla in the Upper Condamine River system. Moderate to major flooding

extends along the entire Condamine and Balonne Rivers.

Heavy rain areas and local thunderstorms are expected to continue tonight through the Southeast Coast and the Darling Downs and Granite Belt District southeast of Dalby to Goondiwindi. Heavy falls will lead to further localised flash flooding and will worsen existing river flooding.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Major flooding is extending along the Condamine River from Murrays Bridge to Loudoun Bridge. The Condamine River at Warwick peaked at 8.35 metres around 9pm Tuesday. This is 0.45 metres higher than the peak reached in December 2010.

MYALL CREEK:
River levels at Dalby are currently rising, with a peak around 3.8 metres expected overnight Tuesday or early Wednesday.

CHARLEYS CREEK:
At 5.30pm, Charleys Creek at Chinchilla was 6.9 metres and steady. Further rises are expected during Wednesday with levels up to 7.5 metres possible.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next few days. At Condamine Township, flood levels should exceed 13 metres during Thursday and continue rising.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly around Surat and Weribone, with renewed rises expected over the next several days. The river level at Warroo above Beardmore Dam is also falling very slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6pm Tuesday, the Balonne River at St George was 12.99 metres and falling slowly. Major flood levels will remain high (around 13 metres) into Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow is currently in the Dirranbandi area and will reach the Hebel area later this week.

Predicted River Heights/Flows:

Condamine R at:	
Warwick	Fall slowly overnight.
Condamine	Exceed 13 metres during Thursday. Reach higher levels going into the weekend.
Charleys Creek at:	
Chinchilla	Possibly reach 7.5 metres during Wednesday.
Myall Creek at:	
Dalby	Reach 3.8 metres (major) during Wednesday morning.
Balonne R at:	
St George (manual)	Remain around 13 metres until Thursday.

Next Issue:
The next warning will be issued at about 7am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	6.25m rising	11:53 AM TUE 11/01/11
Condamine R at Elbow Valley #	6.23m falling	10:28 PM TUE 11/01/11
Condamine R at Murrays Br #	8.5m falling	10:16 PM TUE 11/01/11
Condamine R @ Warwick(Scots Col.) *	7.71m falling	09:00 PM TUE 11/01/11
Condamine R @ Warwick	8.20m falling	10:45 PM TUE 11/01/11
Glengallan Ck near Backwater Ck #	4.6m falling	10:35 PM TUE 11/01/11
Condamine R at Tummaville *	10.56m rising	09:00 PM TUE 11/01/11
Condamine R at Centenary Br	7.05m steady	07:00 PM TUE 11/01/11
North Condamine R at Lone Pine *	4.65m rising	09:00 PM TUE 11/01/11
Oakey Ck at Fairview *	6.4m steady	08:00 PM TUE 11/01/11
Condamine R at Loudoun Br *	6.92m steady	09:00 PM TUE 11/01/11
Myall Ck at Dalby #	3.24m rising	10:18 PM TUE 11/01/11
Condamine R at Warra-Kogan Rd Br	13m rising	06:00 PM TUE 11/01/11
Condamine R at Chinchilla Weir TW *	12.35m falling	08:40 PM TUE 11/01/11
Charleys Ck at Chinchilla	6.9m steady	06:30 PM TUE 11/01/11
Condamine R at Condamine	11.07m rising	09:00 PM TUE 11/01/11
Condamine R at Cotswold *	13.15m rising	08:40 PM TUE 11/01/11
Yuleba Ck at Yuleba Forestry *	2.23m falling	08:20 PM TUE 11/01/11
Balonne R at Surat * (auto)	10.7m rising	08:50 PM TUE 11/01/11
Balonne R at Surat (manual)	11.18m falling slowly	05:50 PM TUE 11/01/11
Bungil Ck at Roma	4.75m falling slowly	02:30 PM TUE 11/01/11
Balonne R at Weribone *	12.16m falling	08:50 PM TUE 11/01/11
Maranoa R at Old Cashmere *	3.32m falling	08:20 PM TUE 11/01/11
Balonne R at St George (manual)	12.98m falling	09:00 PM TUE 11/01/11
Balonne R at St George * (auto)	12.62m rising	05:40 PM TUE 11/01/11
Culgoa R at Woolerbilla *	6.51m steady	07:00 PM TUE 11/01/11
Balonne R Minor at Dirranbandi	5.33m rising slowly	06:00 AM TUE 11/01/11
Narran R at Dirranbandi-Hebel Rd *	5.33m steady	08:00 PM TUE 11/01/11
Ballandool R at Hebel-Bollon Rd *	4.2m rising	08:30 PM TUE 11/01/11
Bokhara R at Hebel *	2.18m rising	08:00 PM TUE 11/01/11

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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:28 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues to rise on Charley's Creek at Chinchilla. A major flood peak occurred at Warwick overnight and river levels are now steadily falling. The flood peak on Myall Creek is currently in the Dalby area. Moderate to major flooding extends along the entire Condamine and Balonne Rivers.

Rain over the catchment has now eased. Scattered showers are expected through Wednesday.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Moderate to major flooding is easing on the Upper Condamine River between Murray's Bridge and Warwick. The Condamine River at Warwick peaked at 8.35 metres around 9pm Tuesday. This is 0.45 metres higher than the peak reached in December 2010. Moderate to major flooding continues to rise between Pratten and Loudon Bridge.

MYALL CREEK:
River levels on the Myall Creek at Dalby are nearing a major flood peak around 3.5 metres. River levels will then ease during the afternoon.

CHARLEYS CREEK:
At 4am Wednesday, Charleys Creek at Chinchilla was 7.3 metres which exceeds the peak that occurred late December at 7.24 metres. River levels are expected to rise up to around 7.5 metres during Wednesday.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next few days. At Condamine Township, flood levels should exceed 13 metres during Thursday and continue rising to around 14.8 metres by the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly between Surat and Warroo, with renewed rises expected over the next several days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Wednesday, the Balonne River at St George was 12.84 metres and falling slowly. Major flood levels will remain high during Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow is currently in the Dirranbandi area and will reach the Hebel area during the weekend.

Predicted River Heights/Flows:
Condamine R at:
Warwick River levels currently falling below major and expected to continue to fall during Wednesday.

Condamine Exceed 13 metres during Thursday with further rises and levels to around 14.8 metres by the weekend.

Charleys Creek at:
Chinchilla Further rises to around 7.5 metres during Wednesday morning.

Myall Creek at:
Dalby Currently peaking around 3.5 metres then falling during the afternoon.

Balonne R at:
St George (manual) High river levels (around 13 metres) to continue until Thursday.

Next Issue:
The next warning will be issued at about 11am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	6.25m rising	11:53 AM TUE 11/01/11
Condamine R at Elbow Valley #	5.33m falling	06:06 AM WED 12/01/11
Condamine R at Murrays Br #	7.6m falling	06:08 AM WED 12/01/11
Condamine R @ Warwick(Scots Col.) *	6.48m falling	05:00 AM WED 12/01/11
Glengallan Ck near Backwater Ck #	4.35m falling	06:04 AM WED 12/01/11
Condamine R at Tummaville *	10.9m steady	05:00 AM WED 12/01/11
Condamine R at Centenary Br	7.59m rising	05:00 AM WED 12/01/11
North Condamine R at Lone Pine *	4.62m steady	05:00 AM WED 12/01/11
Oakey Ck at Fairview *	6.4m steady	05:00 AM WED 12/01/11
Condamine R at Loudoun Br *	6.96m steady	05:00 AM WED 12/01/11
Myall Ck at Dalby #	3.49m steady	06:03 AM WED 12/01/11
Condamine R at Warra-Kogan Rd Br	13m rising	06:00 PM TUE 11/01/11
Condamine R at Chinchilla Weir TW *	12.78m rising	05:30 AM WED 12/01/11
Charleys Ck at Chinchilla	7.3m rising slowly	04:00 AM WED 12/01/11
Condamine R at Condamine	11.57m rising slowly	03:00 AM WED 12/01/11
Condamine R at Cotswold *	13.47m rising	05:30 AM WED 12/01/11
Yuleba Ck at Yuleba Forestry *	2.13m steady	05:00 AM WED 12/01/11
Balonne R at Surat * (auto)	10.61m rising	05:40 AM WED 12/01/11
Balonne R at Surat (manual)	11.05m falling slowly	06:00 AM WED 12/01/11
Bungil Ck at Roma	4.75m falling slowly	02:30 PM TUE 11/01/11
Balonne R at Weribone *	12.08m falling	05:00 AM WED 12/01/11
Maranoa R at Old Cashmere *	3.24m falling	05:00 AM WED 12/01/11
Balonne R at St George (manual)	12.84m falling	06:00 AM WED 12/01/11
Balonne R at St George * (auto)	12.5m falling	05:40 AM WED 12/01/11
Culgoa R at Woolerbilla *	6.52m steady	05:20 AM WED 12/01/11
Balonne R Minor at Dirranbandi	5.34m rising slowly	06:00 AM WED 12/01/11
Narran R at Dirranbandi-Hebel Rd *	5.33m steady	05:00 AM WED 12/01/11
Ballandool R at Hebel-Bollon Rd *	4.32m steady	05:40 AM WED 12/01/11
Bokhara R at Hebel *	2.21m rising	04:40 AM WED 12/01/11

*, # denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 11:16 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding remains steady at a peak on Charley's Creek at Chinchilla.
Moderate flooding is easing at Warwick, and also on Myall Creek at Dalby.
Moderate to major flooding extends along the entire Condamine and Balonne
Rivers.

Scattered showers are expected to continue through Wednesday.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:

Moderate to major flooding is easing on the Upper Condamine River between Murray's Bridge and Warwick. Moderate flood levels are currently easing at Warwick, where at 9am Wednesday the river level was at 6.65 metres and falling. Moderate to major flooding continues to rise between Pratten and Loudon Bridge.

MYALL CREEK:
Moderate flood levels have commenced to ease on Myall Creek at Dalby, following a moderate flood peak to 3.49 metres recorded at about 6am Wednesday. At 11:05am Wednesday the creek level at Dalby was at 3.39 metres and falling.

CHARLEYS CREEK:
At 10:15am Wednesday, Charleys Creek at Chinchilla was 7.44 metres and steady near to a peak, which currently exceeds the December peak by about 0.2 metres.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next few days. At 9am Wednesday, the river level at Condamine Township was at 12.0 metres and rising. Flood levels should exceed 13 metres during Thursday and continue rising to around 14.8 metres by the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly between Surat and Warroo, with renewed rises expected over the next several days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9am Wednesday, the Balonne River at St George was 12.80 metres and falling slowly. Major flood levels will remain high during Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow is currently in the Dirranbandi area and will reach the Hebel area during the weekend.

Predicted River Heights/Flows:

Condamine R at:	
Warwick	River levels currently falling below major and expected to continue to fall during Wednesday.
Condamine	Exceed 13 metres during Thursday with further rises and levels to around 14.8 metres by the weekend.
Charleys Creek at:	
Chinchilla	Remain steady at about 7.5 metres during Wednesday.
Myall Creek at:	
Dalby	Creek levels currently falling with moderate flooding.
Balonne R at:	
St George (manual)	High river levels (around 13 metres) to continue until Thursday.

Next Issue:
The next warning will be issued at about 4pm Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	1.95m falling	11:03 AM WED 12/01/11
Condamine R at Elbow Valley #	4.88m steady	11:08 AM WED 12/01/11
Condamine R at Murrays Br #	7.25m falling	10:50 AM WED 12/01/11
Condamine R @ Warwick(Scots Col.) *	5.57m falling	10:00 AM WED 12/01/11

Condamine R at Warwick #	12.8m falling	09:00 AM WED 12/01/11
Glengallan Ck near Backwater Ck #	4.2m steady	10:58 AM WED 12/01/11
Condamine R at Tummaville *	10.87m falling	08:00 AM WED 12/01/11
Condamine R at Centenary Br	8m rising slowly	10:00 AM WED 12/01/11
North Condamine R at Lone Pine *	4.57m falling	09:00 AM WED 12/01/11
Oakey Ck at Fairview *	6.4m steady	10:00 AM WED 12/01/11
Condamine R at Loudoun Br *	7m rising	09:00 AM WED 12/01/11
Myall Ck at Dalby #	3.39m falling	11:05 AM WED 12/01/11
Condamine R at Warra-Kogan Rd Br	13.87m rising	09:00 AM WED 12/01/11
Condamine R at Chinchilla Weir TW *	12.93m rising	08:10 AM WED 12/01/11
Charleys Ck at Chinchilla	7.44m rising	10:15 AM WED 12/01/11
Condamine R at Condamine	12m rising	09:00 AM WED 12/01/11
Condamine R at Cotswold *	13.58m rising	08:40 AM WED 12/01/11
Balonne R at Warkon	10.9m rising slowly	09:00 AM WED 12/01/11
Yuleba Ck at Yuleba Forestry *	2.1m falling	08:20 AM WED 12/01/11
Balonne R at Surat * (auto)	10.49m falling	08:50 AM WED 12/01/11
Balonne R at Surat (manual)	11.05m falling slowly	06:00 AM WED 12/01/11
Bungil Ck at Roma	3m falling slowly	06:30 AM WED 12/01/11
Balonne R at Weribone *	12.04m falling	08:00 AM WED 12/01/11
Maranoa R at Old Cashmere *	3.21m steady	08:00 AM WED 12/01/11
Balonne R at St George (manual)	12.8m falling	09:00 AM WED 12/01/11
Balonne R at St George * (auto)	12.47m steady	08:00 AM WED 12/01/11
Balonne R at Whyenbah	8.13m steady	09:00 AM WED 12/01/11
Culgoa R at Woolerbilla *	6.53m steady	10:00 AM WED 12/01/11
Balonne R Minor at Dirranbandi	5.34m rising slowly	06:00 AM WED 12/01/11
Narran R at Dirranbandi-Hebel Rd *	5.34m steady	08:00 AM WED 12/01/11
Ballandool R at Hebel-Bollon Rd *	4.35m steady	08:20 AM WED 12/01/11
Bokhara R at Hebel *	2.23m rising	08:00 AM WED 12/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

PRIORITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 4:41 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding remains steady at a peak on Charley's Creek at Chinchilla.
Moderate flooding is easing at Warwick, and also on Myall Creek at Dalby.
Moderate to major flooding extends along the entire Condamine and Balonne
Rivers.

Scattered showers are expected to continue through Wednesday with isolated
thunderstorms, chiefly in the afternoon and evening, tending to thundery rain in
the west during the evening with possible locally heavy falls.

CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
Moderate to major flooding is easing on the Upper Condamine River between Murray's Bridge and Warwick. Moderate flood levels are currently easing at Warwick, where at 9am Wednesday the river level was at 6.65 metres and falling. Moderate to major flooding is easing between Pratten and Lone Pine. Moderate to major flooding continues to rise between Cecil Plains and Loudon Bridge.

MYALL CREEK:
Moderate flood levels are continuing to ease on Myall Creek at Dalby, following a moderate flood peak to 3.49 metres recorded at about 6am Wednesday. At 3:50pm Wednesday the creek level at Dalby was at 3.04 metres and falling.

CHARLEYS CREEK:
Major flood levels are easing on Charleys Creek at Chinchilla, following a major flood peak to 7.45 metres, which exceeds the December peak by about 0.2 metres. At 2:50pm Wednesday, Charleys Creek at Chinchilla was at 7.34 metres and falling slowly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next few days. At 3:45pm Wednesday, the river level at Condamine Township was at 12.35 metres and rising. Flood levels should exceed 13 metres during Thursday and continue rising to around 14.8 metres by the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly between Surat and Warroo, with renewed rises expected over the next several days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 3pm Wednesday, the Balonne River at St George was 12.76 metres and falling slowly. Major flood levels will remain high during Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

The peak flow is currently in the Dirranbandi area and will reach the Hebel area during the weekend.

Predicted River Heights/Flows:

Condamine R at:	
Warwick	River levels currently falling below moderate and expected to continue to fall during Wednesday.
Condamine	Exceed 13 metres during Thursday with further rises and levels to around 14.8 metres by the weekend.
Charleys Creek at:	
Chinchilla	Remain steady at about 7.3 metres during Wednesday.
Myall Creek at:	
Dalby	Creek levels currently falling with moderate flooding.
Balonne R at:	
St George (manual)	High river levels (around 13 metres) to continue until Thursday.

Next Issue:
The next warning will be issued at about 11pm Wednesday.
(River heights are constantly updated on the Bureau website.)

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Latest River Heights:
Condamine R at Killarney #          1.7m falling         03:06 PM WED 12/01/11
Condamine R at Elbow Valley #       4.58m falling        02:49 PM WED 12/01/11
Condamine R at Murrays Br #         7m falling           02:56 PM WED 12/01/11
Condamine R @ Warwick(Scots Col.) * 4.94m falling        02:00 PM WED 12/01/11
Condamine R at Warwick #            6.65m falling        09:00 AM WED 12/01/11
Glengallan Ck near Backwater Ck #   3.85m falling        02:54 PM WED 12/01/11
Condamine R at Tummaville *         10.84m steady        02:00 PM WED 12/01/11
Condamine R at Centenary Br         8m falling slowly    03:00 PM WED 12/01/11
North Condamine R at Lone Pine *    4.36m falling        02:00 PM WED 12/01/11
Oakey Ck at Fairview *              6.4m steady          02:00 PM WED 12/01/11
Condamine R at Loudoun Br *         7.09m rising         02:00 PM WED 12/01/11
Myall Ck at Dalby #                 3.14m steady         03:03 PM WED 12/01/11
Condamine R at Warra-Kogan Rd Br    13.9m steady         03:00 PM WED 12/01/11
Condamine R at Chinchilla Weir TW * 13.35m rising        02:30 PM WED 12/01/11
Charleys Ck at Chinchilla           7.34m falling        02:50 PM WED 12/01/11
Condamine R at Condamine            12.35m rising slowly 03:45 PM WED 12/01/11
Condamine R at Cotswold *           13.67m steady        11:40 AM WED 12/01/11
Balonne R at Warkon                 10.9m rising slowly  09:00 AM WED 12/01/11
Yuleba Ck at Yuleba Forestry *      2.51m rising         02:50 PM WED 12/01/11
Balonne R at Surat * (auto)         10.52m rising        02:40 PM WED 12/01/11
Balonne R at Surat (manual)         10.8m falling slowly 01:00 PM WED 12/01/11
Bungil Ck at Roma                   3m falling slowly    06:30 AM WED 12/01/11
Balonne R at Weribone *             12m falling          12:00 PM WED 12/01/11
Maranoa R at Old Cashmere *         3.17m falling        11:30 AM WED 12/01/11
Balonne R at St George (manual)     12.78m falling       12:00 PM WED 12/01/11
Balonne R at St George * (auto)     12.45m rising        02:30 PM WED 12/01/11
Balonne R at Whyenbah               8.13m steady         09:00 AM WED 12/01/11
Culgoa R at Woolerbilla *           6.53m steady         10:00 AM WED 12/01/11
Balonne R Minor at Dirranbandi      5.34m rising slowly  06:00 AM WED 12/01/11
Narran R at Dirranbandi-Hebel Rd *  5.34m steady         12:00 PM WED 12/01/11
Ballandool R at Hebel-Bollon Rd *   4.38m steady         11:30 AM WED 12/01/11
Bokhara R at Hebel *                2.23m steady         09:20 AM WED 12/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 11:15 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding has peaked on Charley's Creek at Chinchilla and continues to ease
in Myall Creek at Dalby. Moderate to major flooding extends along the entire
Condamine and Balonne Rivers.


CONDAMINE RIVER - UPPER CONDAMINE TO LOUDOUN BRIDGE:
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Moderate to major flooding is easing on the Upper Condamine River between Murray's Bridge and Warwick. Moderate to major flooding continues to rise between Cecil Plains and Loudoun Bridge.

MYALL CREEK:
Moderate flood levels are continuing to ease on Myall Creek at Dalby, following a moderate flood peak to 3.49 metres recorded at about 6am Wednesday.

CHARLEYS CREEK:
Major flood levels are easing on Charleys Creek at Chinchilla, following a major flood peak to 7.45 metres, which exceeded the December peak by about 0.2 metres.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues with renewed rises expected during the next few days. At 10pm Wednesday, the river level at Condamine Township was at 12.65 metres and rising. Flood levels should exceed 13 metres during Thursday and continue rising to around 14.8 metres by the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly between Surat and Warroo, with renewed rises expected over the next several days.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 3pm Wednesday, the Balonne River at St George was 12.76 metres and falling slowly. Major flood levels will remain high during Wednesday.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Exceed 13 metres during Thursday with further rises and levels to around 14.8 metres by the weekend.

Next Issue:
The next warning will be issued at about noon Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Murrays Br #	6.6m	falling	10:30 PM WED 12/01/11
Condamine R @ Warwick(Scots Col.) *	4.02m	falling	09:00 PM WED 12/01/11
Condamine R at Tummaville *	10.68m	falling	09:20 PM WED 12/01/11
Condamine R at Centenary Br	7.94m	falling slowly	06:00 PM WED 12/01/11
North Condamine R at Lone Pine *	4.31m	rising	09:00 PM WED 12/01/11
Condamine R at Loudoun Br *	7.15m	steady	09:00 PM WED 12/01/11
Myall Ck at Dalby #	2.24m	falling	10:21 PM WED 12/01/11
Condamine R at Warra-Kogan Rd Br	13.89m	falling slowly	06:00 PM WED 12/01/11
Condamine R at Chinchilla Weir TW *	13.71m	rising	08:40 PM WED 12/01/11
Charleys Ck at Chinchilla	7.23m	falling	06:30 PM WED 12/01/11
Condamine R at Condamine	12.65m	rising	10:00 PM WED 12/01/11
Condamine R at Cotswold *	13.98m	rising	08:20 PM WED 12/01/11
Balonne R at Warkon	10.9m	rising slowly	09:00 AM WED 12/01/11
Yuleba Ck at Yuleba Forestry *	3.1m	rising	08:40 PM WED 12/01/11
Balonne R at Surat * (auto)	10.45m	rising	08:40 PM WED 12/01/11
Balonne R at Surat (manual)	10.8m	falling slowly	01:00 PM WED 12/01/11
Bungil Ck at Roma	3m	falling slowly	06:30 AM WED 12/01/11
Balonne R at Weribone *	11.99m	steady	03:00 PM WED 12/01/11
Maranoa R at Old Cashmere *	3.14m	steady	02:20 PM WED 12/01/11
Balonne R at St George (manual)	12.68m	falling	09:00 PM WED 12/01/11

Balonne R at St George * (auto)	12.45m rising	02:30 PM WED 12/01/11
Balonne R at Whyenbah	8.13m steady	09:00 AM WED 12/01/11
Culgoa R at Woolerbilla *	6.54m steady	08:00 PM WED 12/01/11
Balonne R Minor at Dirranbandi	5.34m rising slowly	06:00 AM WED 12/01/11
Narran R at Dirranbandi-Hebel Rd *	5.34m steady	12:00 PM WED 12/01/11
Ballandool R at Hebel-Bollon Rd *	4.38m steady	11:30 AM WED 12/01/11
Bokhara R at Hebel *	2.23m steady	09:20 AM WED 12/01/11

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 10:10 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding has peaked on Charley's Creek at Chinchilla and continues to ease in Myall Creek at Dalby. Moderate to major flooding extends along the entire Condamine and Balonne Rivers.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor to moderate flooding is easing on the Upper Condamine River between Elbow Valley and Murrays Bridge, while river levels at Warwick have fallen below minor flood level. Major flooding continues between Tummaville and Loudoun Bridge, where the flood peak remains in the Tipton Bridge to Loudoun Bridge area.

Major flooding remains high at Fairview in Oakey Creek.

MYALL CREEK:
Minor flooding continues to ease on Myall Creek at Clydesdale. Creek levels downstream at Dalby continue to ease below minor flood level.

CHARLEYS CREEK:
Major flooding is easing on Charleys Creek at Beruna and at Chinchilla. At 7:30am Thursday the creek level at Chinchilla was 6.79 metres and falling.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River through to Cotswold. At 7am Thursday, the river level at Condamine Township was at 13.25 metres and rising. Flood levels are expected to reach 14.8 metres by the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to fall slowly between Warkon and Warroo, with renewed rises expected over the next several days as upstream floodwaters arrive.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9am Thursday, the Balonne River at St George was 12.54 metres and falling slowly. Major flood levels will continue to ease slowly over the weekend and

into next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Reach around 14.8 metres (major flood) during the weekend.

Predictions will be updated when upstream peaks have been observed.

Weather Forecast:
Isolated afternoon showers.

Next Issue:
The next warning will be issued at about 6pm Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	1.15m steady	09:46 AM THU 13/01/11
Condamine R at Elbow Valley #	3.38m falling	10:04 AM THU 13/01/11
Condamine R at Murrays Br #	6.1m falling	10:04 AM THU 13/01/11
Condamine R @ Warwick(Scots Col.) *	3.14m falling	09:00 AM THU 13/01/11
Glengallan Ck near Backwater Ck #	2.4m falling	09:59 AM THU 13/01/11
Condamine R at Tummaville *	10.26m falling	09:00 AM THU 13/01/11
Condamine R at Centenary Br	7.77m falling slowly	08:00 AM THU 13/01/11
North Condamine R at Lone Pine *	4.86m steady	09:00 AM THU 13/01/11
Oakey Ck at Fairview *	6.11m falling	09:00 AM THU 13/01/11
Condamine R at Loudoun Br *	7.42m rising	09:00 AM THU 13/01/11
Myall Ck at Dalby #	1.19m falling	09:39 AM THU 13/01/11
Condamine R at Warra-Kogan Rd Br	13.95m rising slowly	06:00 AM THU 13/01/11
Condamine R at Chinchilla Weir TW *	14.05m falling	08:20 AM THU 13/01/11
Charleys Ck at Chinchilla	6.79m falling	07:30 AM THU 13/01/11
Condamine R at Condamine	13.35m rising	09:00 AM THU 13/01/11
Condamine R at Cotswold *	14.37m rising	08:10 AM THU 13/01/11
Balonne R at Warkon	11.15m steady	09:00 AM THU 13/01/11
Yuleba Ck at Yuleba Forestry *	3.12m steady	08:00 AM THU 13/01/11
Balonne R at Surat * (auto)	10.48m rising	08:20 AM THU 13/01/11
Balonne R at Surat (manual)	10.83m falling slowly	06:00 AM THU 13/01/11
Balonne R at Weribone *	11.99m steady	03:00 PM WED 12/01/11
Maranoa R at Old Cashmere *	3.14m steady	02:20 PM WED 12/01/11
Balonne R at St George (manual)	12.54m falling	09:00 AM THU 13/01/11
Balonne R at St George * (auto)	12.27m falling	05:40 AM THU 13/01/11
Culgoa R at Woolerbilla *	6.54m steady	08:00 PM WED 12/01/11
Balonne R Minor at Dirranbandi	5.31m falling slowly	06:00 AM THU 13/01/11
Narran R at Dirranbandi-Hebel Rd *	5.27m steady	08:00 AM THU 13/01/11
Ballandool R at Hebel-Bollon Rd *	4.38m steady	11:30 AM WED 12/01/11
Bokhara R at Hebel *	2.31m rising	08:00 AM THU 13/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 6:09 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding has peaked on Charley's Creek at Chinchilla.

Moderate to major flooding extends along the Condamine River downstream of Warwick, and along the Balonne River, with stream rises occurring downstream Loudon Bridge.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor to moderate flooding is easing on the Upper Condamine River between Elbow Valley and Murrays Bridge, while river levels at Warwick have fallen below minor flood level. Major flooding continues between Tummaville and Loudoun Bridge, where the flood peak remains in the Tipton Bridge to Loudoun Bridge area.

MYALL CREEK:
Flood levels are below minor flood level in Myall Creek.

CHARLEYS CREEK:
Major flooding is easing on Charleys Creek at Beruna and at Chinchilla. At 5pm Thursday the creek level at Chinchilla was 6.54 metres and falling.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River through to Cotswold. At 5pm Thursday, the river level at Condamine Township was at 14.0 metres and rising. Flood levels are expected to reach 14.8 metres by the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occuring at Warkon as upstream floodwaters arrive.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 3pm Thursday, the Balonne River at St George was 12.46 metres and falling slowly. Major flood levels will continue to ease slowly over the weekend and into next week.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Reach around 14.8 metres (major flood) during this weekend.

Predictions will be updated when upstream peaks have been observed.

Weather Forecast:
Isolated afternoon showers.

Next Issue:
The next warning will be issued at about 8am Friday.
(River heights are constantly updated on the Bureau website.)

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Latest River Heights:
Condamine R at Killarney #          1.05m steady         03:46 PM THU 13/01/11
Condamine R at Elbow Valley #       3.08m falling        04:19 PM THU 13/01/11
Condamine R at Murrays Br #         5.65m falling        04:41 PM THU 13/01/11
Condamine R @ Warwick(Scots Col.) * 2.91m falling        03:00 PM THU 13/01/11
Glengallan Ck near Backwater Ck #   2.3m falling         04:09 PM THU 13/01/11
Condamine R at Tummaville *         9.98m falling        03:00 PM THU 13/01/11
Condamine R at Centenary Br         7.53m falling slowly 02:40 PM THU 13/01/11
North Condamine R at Lone Pine *    4.84m steady         03:00 PM THU 13/01/11
Oakey Ck at Fairview *              5.42m falling        03:00 PM THU 13/01/11
Condamine R at Loudoun Br *         7.62m rising         03:00 PM THU 13/01/11
Myall Ck at Dalby #                 0.99m falling        03:17 PM THU 13/01/11
Condamine R at Warra-Kogan Rd Br    14.03m rising slowly 03:30 PM THU 13/01/11
Condamine R at Chinchilla Weir TW * 14.05m steady        02:00 PM THU 13/01/11
Charleys Ck at Chinchilla           6.68m falling slowly 12:00 PM THU 13/01/11
Condamine R at Condamine            13.68m rising slowly 01:10 PM THU 13/01/11
Condamine R at Cotswold *           14.55m rising        02:30 PM THU 13/01/11
Balonne R at Warkon                 11.15m steady        09:00 AM THU 13/01/11
Yuleba Ck at Yuleba Forestry *      3.04m steady         02:00 PM THU 13/01/11
Balonne R at Surat * (auto)         10.36m falling       03:00 PM THU 13/01/11
Balonne R at Surat (manual)         10.8m steady         03:00 PM THU 13/01/11
Balonne R at Weribone *             11.76m falling       02:50 PM THU 13/01/11
Maranoa R at Old Cashmere *         2.88m steady         03:00 PM THU 13/01/11
Balonne R at St George (manual)     12.46m falling       03:00 PM THU 13/01/11
Balonne R at St George * (auto)     12.19m rising        02:00 PM THU 13/01/11
Culgoa R at Woolerbilla *           6.54m steady         08:00 PM WED 12/01/11
Balonne R Minor at Dirranbandi      5.31m falling slowly 06:00 AM THU 13/01/11
Narran R at Dirranbandi-Hebel Rd *  5.26m steady         02:00 PM THU 13/01/11
Bokhara R at Hebel *                2.32m rising         01:00 PM THU 13/01/11


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:41 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues to ease on Charley's Creek at Chinchilla following
Wednesday's peak.

Moderate to major flooding extends along the Condamine River downstream of
Pratten, and along the Balonne River, with stream rises occurring downstream
from Loudon Bridge.


UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Moderate flooding continues to ease on the Upper Condamine River between Elbow
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Valley and Murrays Bridge. Moderate flooding is easing between Pratten and Tummaville. Moderate to major flooding extends downstream to Loudoun Bridge where river levels are now slowly easing.

MYALL CREEK:
Flood levels are well below minor flood level in Myall Creek.

CHARLEYS CREEK:
Major flooding continues to ease on Charleys Creek at Beruna and at Chinchilla. Creek levels are expected to fall below the major flood level during Friday. At 6am Friday the creek level at Chinchilla was 6.2 metres and falling.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River through to Cotswold. At 9pm Thursday, the river level at Condamine Township was at 14.2 metres and rising. Flood levels are expected to reach 14.8 metres during the weekend.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occuring between Warkon and Surat as upstream floodwaters arrive.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 6am Friday, the Balonne River at St George was 12.28 metres and falling slowly. Major flood levels will continue to ease slowly over the weekend and into next week with renewed rises expected late in the week as upstream floodwaters arrive.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Reach around 14.8 metres (major flood) during this weekend.

Predictions will be updated when upstream peaks have been observed.

Weather Forecast:
Mostly fine.

Next Issue:
The next warning will be issued at about 5pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.9m steady	06:46 AM FRI 14/01/11
Condamine R at Elbow Valley #	2.58m falling	06:35 AM FRI 14/01/11
Condamine R at Murrays Br #	4.75m falling	06:56 AM FRI 14/01/11
Condamine R @ Warwick(Scots Col.) *	2.35m falling	06:00 AM FRI 14/01/11
Glengallan Ck near Backwater Ck #	1.85m falling	06:52 AM FRI 14/01/11
Condamine R at Tummaville *	8.77m falling	06:00 AM FRI 14/01/11
Condamine R at Centenary Br	7.09m falling	05:00 AM FRI 14/01/11
North Condamine R at Lone Pine *	4.39m falling	06:00 AM FRI 14/01/11
Oakey Ck at Fairview *	4.05m falling	06:00 AM FRI 14/01/11
Condamine R at Loudoun Br *	7.54m falling	06:00 AM FRI 14/01/11
Myall Ck at Dalby #	0.74m steady	06:03 AM FRI 14/01/11
Condamine R at Warra-Kogan Rd Br	14.25m rising	06:00 AM FRI 14/01/11
Condamine R at Chinchilla Weir TW *	14.05m rising	05:40 AM FRI 14/01/11
Charleys Ck at Chinchilla	6.2m falling	06:00 AM FRI 14/01/11
Condamine R at Condamine	14.2m rising	09:00 PM THU 13/01/11

Condamine R at Cotswold *	15m steady	05:30 AM FRI 14/01/11
Balonne R at Warkon	11.32m rising slowly	06:00 AM FRI 14/01/11
Yuleba Ck at Yuleba Forestry *	2.7m falling	05:30 AM FRI 14/01/11
Balonne R at Surat * (auto)	10.41m falling	05:40 AM FRI 14/01/11
Balonne R at Surat (manual)	10.95m rising slowly	06:00 AM FRI 14/01/11
Balonne R at Weribone *	11.64m falling	05:40 AM FRI 14/01/11
Balonne R at Warroo	14.08m falling slowly	06:00 PM THU 13/01/11
Maranoa R at Old Cashmere *	2.83m steady	05:00 AM FRI 14/01/11
Balonne R at St George (manual)	12.28m falling	06:00 AM FRI 14/01/11
Balonne R at St George * (auto)	11.98m falling	05:50 AM FRI 14/01/11
Culgoa R at Woolerbilla *	6.55m steady	07:00 AM FRI 14/01/11
Balonne R Minor at Dirranbandi	5.3m falling slowly	06:00 AM FRI 14/01/11
Narran R at Dirranbandi-Hebel Rd *	5.24m steady	05:40 AM FRI 14/01/11
Ballandool R at Hebel-Bollon Rd *	4.56m steady	04:10 AM FRI 14/01/11
Bokhara R at Hebel *	2.34m steady	04:00 AM FRI 14/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 4:46 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine River downstream of
Centenary Bridge, and along the Balonne River, with stream rises occurring
downstream from Loudon Bridge.

Moderate flooding continues to ease on Charley's Creek at Chinchilla following
Wednesday's peak.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor flooding continues to ease on the Upper Condamine River between Elbow
Valley and Tummaville. Moderate to major flood levels are slowly easing
downstream to Loudoun Bridge where a major flood peak of 7.65 metres was
recorded late Thursday.

CHARLEYS CREEK:
Moderate flooding continues to ease on Charleys Creek at Beruna and at
Chinchilla.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River through to Cotswold.
At 10:30am Friday, the river level at Condamine Township was at 14.5 metres and
rising. Flood levels are expected to reach 14.8 metres during the weekend.

BALONNE RIVER TO BEARDMORE DAM:

Renewed rises are occuring between Warkon and Surat as upstream floodwaters arrive.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 3pm Friday, the Balonne River at St George was 12.16 metres and falling slowly. Major flood levels will continue to ease slowly over the weekend and into next week with renewed rises expected late in the week as upstream floodwaters arrive.

High level major flooding is expected to continue in the Balonne River system downstream from St George to the NSW border throughout January. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Reach around 14.8 metres (major flood) during this weekend.

Peak predictions at Condamine Township will be provided when upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 8pm Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.8m steady	03:46 PM FRI 14/01/11
Condamine R at Elbow Valley #	2.38m falling	02:48 PM FRI 14/01/11
Condamine R at Murrays Br #	4.35m falling	03:46 PM FRI 14/01/11
Condamine R @ Warwick(Scots Col.) *	2.14m falling	03:00 PM FRI 14/01/11
Glengallan Ck near Backwater Ck #	1.7m falling	03:35 PM FRI 14/01/11
Condamine R at Tummaville *	7.82m falling	03:00 PM FRI 14/01/11
Condamine R at Centenary Br	6.98m falling	02:50 PM FRI 14/01/11
North Condamine R at Lone Pine *	4.02m falling	03:00 PM FRI 14/01/11
Oakey Ck at Fairview *	3.5m falling	03:00 PM FRI 14/01/11
Condamine R at Loudoun Br *	7.37m falling	03:00 PM FRI 14/01/11
Myall Ck at Dalby #	0.69m steady	03:03 PM FRI 14/01/11
Condamine R at Warra-Kogan Rd Br	14.37m rising	03:00 PM FRI 14/01/11
Condamine R at Chinchilla Weir TW *	14.09m falling	02:40 PM FRI 14/01/11
Charleys Ck at Chinchilla	6.04m falling slowly	02:00 PM FRI 14/01/11
Condamine R at Condamine	14.55m rising	10:30 AM FRI 14/01/11
Condamine R at Cotswold *	15.34m rising	02:30 PM FRI 14/01/11
Balonne R at Warkon	11.34m rising slowly	09:00 AM FRI 14/01/11
Yuleba Ck at Yuleba Forestry *	2.42m falling	02:20 PM FRI 14/01/11
Balonne R at Surat * (auto)	10.63m rising	02:40 PM FRI 14/01/11
Balonne R at Surat (manual)	11.4m rising slowly	03:00 PM FRI 14/01/11
Balonne R at Weribone *	11.63m steady	02:40 PM FRI 14/01/11
Balonne R at Warroo	14.08m falling slowly	06:00 PM THU 13/01/11
Maranoa R at Old Cashmere *	2.92m steady	02:00 PM FRI 14/01/11
Balonne R at St George (manual)	12.16m falling	03:00 PM FRI 14/01/11
Balonne R at St George * (auto)	11.89m rising	02:30 PM FRI 14/01/11
Balonne R at Whyenbah	8.07m falling slowly	09:00 AM FRI 14/01/11
Culgoa R at Woolerbilla *	6.55m steady	01:00 PM FRI 14/01/11
Balonne R Minor at Dirranbandi	5.3m falling slowly	06:00 AM FRI 14/01/11
Narran R at Dirranbandi-Hebel Rd *	5.23m steady	02:10 PM FRI 14/01/11
Ballandool R at Hebel-Bollon Rd *	4.57m steady	12:00 PM FRI 14/01/11
Bokhara R at Hebel *	2.35m steady	12:00 PM FRI 14/01/11

*# denotes automatic station

Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 7:54 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine River downstream of
Centenary Bridge, and along the Balonne River, with stream rises occurring
downstream from Loudon Bridge.

Major flooding continues to ease on Charley's Creek at Chinchilla following
Wednesday's peak.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor flooding continues to ease on the Upper Condamine River between Elbow
Valley and Tummaville. Moderate to major flood levels are slowly easing
downstream to Loudoun Bridge where a major flood peak of 10.70 metres was
recorded Thursday afternoon.

CHARLEYS CREEK:
Moderate to major flooding continues to ease on Charleys Creek at Beruna and at
Chinchilla.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River from Warra-Kogan Road
Bridge through to Cotswold. At 4:30pm Friday, the river level at Condamine
Township was at 14.6 metres and rising. Major flood levels are expected to reach
14.8 metres during the weekend, with further rises early next week.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Surat as upstream floodwaters
arrive.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 5:30pm Friday, the Balonne River at St George was 11.83 metres and falling
slowly. Major flood levels will continue to ease slowly over the weekend and
into next week with renewed rises expected late in the week as upstream
floodwaters arrive.

High level major flooding is expected to continue in the Balonne River system
downstream from St George to the NSW border throughout January. This includes
the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township Reach around 14.8 metres (major flood) during

this weekend, with further rises early next week.

Peak predictions for Condamine Township will be provided when upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 10am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.75m steady	06:46 PM FRI 14/01/11
Condamine R at Elbow Valley #	2.28m falling	07:28 PM FRI 14/01/11
Condamine R at Murrays Br #	4.2m falling	07:19 PM FRI 14/01/11
Condamine R @ Warwick(Scots Col.) *	2.11m falling	05:00 PM FRI 14/01/11
Glengallan Ck near Backwater Ck #	1.65m falling	06:14 PM FRI 14/01/11
Condamine R at Tummaville *	7.63m falling	05:00 PM FRI 14/01/11
Condamine R at Centenary Br	6.95m falling slowly	06:00 PM FRI 14/01/11
North Condamine R at Lone Pine *	3.95m falling	05:00 PM FRI 14/01/11
Oakey Ck at Fairview *	3.41m falling	05:00 PM FRI 14/01/11
Condamine R at Loudoun Br *	7.32m falling	05:00 PM FRI 14/01/11
Myall Ck at Dalby #	0.69m steady	06:03 PM FRI 14/01/11
Condamine R at Warra-Kogan Rd Br	14.37m steady	06:00 PM FRI 14/01/11
Condamine R at Chinchilla Weir TW *	14.14m rising	05:40 PM FRI 14/01/11
Charleys Ck at Chinchilla	6.0m falling slowly	05:30 PM FRI 14/01/11
Condamine R at Condamine	14.6m rising slowly	04:30 PM FRI 14/01/11
Condamine R at Cotswold *	15.47m rising	05:40 PM FRI 14/01/11
Balonne R at Warkon	11.34m rising slowly	09:00 AM FRI 14/01/11
Yuleba Ck at Yuleba Forestry *	2.35m falling	05:30 PM FRI 14/01/11
Balonne R at Surat * (auto)	10.61m rising	06:00 PM FRI 14/01/11
Balonne R at Surat (manual)	11.8m rising slowly	06:00 PM FRI 14/01/11
Balonne R at Weribone *	11.62m steady	06:00 PM FRI 14/01/11
Maranoa R at Old Cashmere *	2.93m steady	05:00 PM FRI 14/01/11
Balonne R at St George (manual)	12.12m falling	06:00 PM FRI 14/01/11
Balonne R at St George * (auto)	11.83m falling	05:30 PM FRI 14/01/11
Balonne R at Whyenbah	8.07m falling slowly	09:00 AM FRI 14/01/11
Culgoa R at Woolerbilla *	6.55m steady	05:00 PM FRI 14/01/11
Balonne R Minor at Dirranbandi	5.3m falling slowly	06:00 AM FRI 14/01/11
Narran R at Dirranbandi-Hebel Rd *	5.23m steady	05:00 PM FRI 14/01/11
Ballandool R at Hebel-Bollon Rd *	4.57m steady	04:00 PM FRI 14/01/11
Bokhara R at Hebel *	2.35m steady	04:00 PM FRI 14/01/11

#,* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 10:55 AM on Saturday the 15th of January 2011

by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine River downstream of Centenary Bridge, and along the Balonne River, with stream rises occurring downstream from Chinchilla Weir.

Flood levels are expected to rise again at Surat during next week with a renewed major flood peak expected late next week.

Flood levels at St George will rise again next week with a renewed major flood peak expected during the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor flooding continues to ease on the Upper Condamine River at Elbow Valley and Tummaville. Moderate to major flood levels are slowly easing downstream to Loudoun Bridge where a major flood peak of 10.70 metres was recorded Thursday afternoon. Levels will continue to fall.

CHARLEYS CREEK:
Moderate flooding continues to ease on Charleys Creek at Chinchilla.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River from Chinchilla Weir Road Bridge through to Cotswold. At 7am Saturday, the river level at Condamine Township was at 14.6 metres. Major flood levels are expected to peak around 15 metres overnight Sunday.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Surat. A peak of above 12 metres is expected at Surat late next week. Further forecasts will be made once a peak is observed at Condamine Township.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9pm Friday, the Balonne River at St George was 12.08 metres and falling slowly. Major flood levels will continue to ease over the weekend and into Monday with renewed rises. A return to flood levels above 12 metres is expected late this coming week with a renewed flood peak expected during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township Peak around 15 metres overnight Sunday.

Surat Reach 12 metres on Tuesday/Wednesday with further rises.

St George Return to above 12 metres this week with further rises. A peak is expected mid/late in the week beginning 22nd January.

Next Issue:
The next warning will be issued at about 4pm Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Condamine R at Killarney # 0.65m falling 09:41 AM SAT 15/01/11

Condamine R at Elbow Valley #	2.08m steady	08:08 AM SAT 15/01/11
Condamine R at Murrays Br #	3.7m steady	08:43 AM SAT 15/01/11
Condamine R @ Warwick(Scots Col.) *	1.86m falling	08:00 AM SAT 15/01/11
Glengallan Ck near Backwater Ck #	1.5m rising	09:36 AM SAT 15/01/11
Condamine R at Tummaville *	6.73m falling	05:00 AM SAT 15/01/11
Condamine R at Centenary Br	6.85m falling	05:00 AM SAT 15/01/11
North Condamine R at Lone Pine *	3.47m falling	08:00 AM SAT 15/01/11
Oakey Ck at Fairview *	2.89m falling	08:00 AM SAT 15/01/11
Condamine R at Loudoun Br *	6.95m falling	08:00 AM SAT 15/01/11
Myall Ck at Dalby #	0.59m steady	09:02 AM SAT 15/01/11
Condamine R at Warra-Kogan Rd Br	14.05m falling	09:00 AM SAT 15/01/11
Condamine R at Chinchilla Weir TW *	14.39m rising	08:00 AM SAT 15/01/11
Charleys Ck at Chinchilla	5.75m falling	07:00 AM SAT 15/01/11
Condamine R at Condamine	14.6m steady	07:00 AM SAT 15/01/11
Condamine R at Cotswold *	16.11m rising	08:00 AM SAT 15/01/11
Balonne R at Warkon	11.48m rising slowly	09:00 AM SAT 15/01/11
Yuleba Ck at Yuleba Forestry *	2.12m falling	08:10 AM SAT 15/01/11
Balonne R at Surat * (auto)	10.9m rising	08:20 AM SAT 15/01/11
Balonne R at Surat (manual)	11.36m rising slowly	06:00 AM SAT 15/01/11
Balonne R at Weribone *	11.64m steady	08:00 AM SAT 15/01/11
Balonne R at Warroo	13.7m falling slowly	09:00 AM SAT 15/01/11
Maranoa R at Old Cashmere *	2.73m falling	08:00 AM SAT 15/01/11
Balonne R at St George (manual)	12.08m falling	09:00 PM FRI 14/01/11
Balonne R at St George * (auto)	11.65m rising	08:20 AM SAT 15/01/11
Culgoa R at Woolerbilla *	6.54m steady	07:00 AM SAT 15/01/11
Balonne R Minor at Dirranbandi	5.3m steady	05:00 AM SAT 15/01/11
Narran R at Dirranbandi-Hebel Rd *	5.22m steady	08:00 AM SAT 15/01/11
Ballandool R at Hebel-Bollon Rd *	4.58m steady	08:00 AM SAT 15/01/11
Bokhara R at Hebel *	2.36m steady	08:00 AM SAT 15/01/11

*automatic station

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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 3:58 PM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine River downstream of
Centenary Bridge, and along the Balonne River, with stream rises occurring
downstream from Chinchilla Weir.

Flood levels are expected to rise again at Surat during next week with a renewed
major flood peak expected late next week.

Flood levels at St George will rise again next week with a renewed major flood
peak expected during the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor flooding continues to ease on the Upper Condamine River at Pratten and Tummaville. Moderate to major flood levels are slowly easing downstream to Loudoun Bridge where a major flood peak of 10.70 metres was recorded Thursday afternoon. Levels will continue to fall.

CHARLEYS CREEK:
Moderate flooding continues to ease on Charleys Creek at Chinchilla.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues to rise along the Condamine River downstream of Chinchilla Weir through to Cotswold. At 7am Saturday, the river level at Condamine Township was at 14.6 metres. Major flood levels are expected to peak around 15 metres overnight Sunday.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Surat. A peak of above 12 metres is expected at Surat late next week. Further forecasts will be made once a peak is observed at Condamine Township.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
At 9pm Friday, the Balonne River at St George was 12.08 metres and falling slowly. Major flood levels will continue to ease over the weekend and into Monday with renewed rises. A return to flood levels above 12 metres is expected late this coming week with a renewed flood peak expected during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township Peak around 15 metres overnight Sunday.

Surat Reach 12 metres on Tuesday/Wednesday with further rises.

St George Return to above 12 metres this week with further rises. A peak is expected mid/late in the week beginning 22nd January.

Next Issue:
The next warning will be issued at about 8:30am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.65m steady	03:46 PM SAT 15/01/11
Condamine R at Elbow Valley #	1.98m falling	03:19 PM SAT 15/01/11
Condamine R at Murrays Br #	3.55m steady	02:43 PM SAT 15/01/11
Condamine R @ Warwick(Scots Col.) *	1.8m falling	02:00 PM SAT 15/01/11
Glengallan Ck near Backwater Ck #	1.45m rising	03:31 PM SAT 15/01/11
Condamine R at Tummaville *	6.22m falling	02:00 PM SAT 15/01/11
Condamine R at Centenary Br	6.75m falling	02:30 PM SAT 15/01/11
North Condamine R at Lone Pine *	3.28m falling	02:00 PM SAT 15/01/11
Oakey Ck at Fairview *	2.71m falling	02:00 PM SAT 15/01/11
Condamine R at Loudoun Br *	6.78m falling	02:00 PM SAT 15/01/11
Myall Ck at Dalby #	0.64m steady	03:02 PM SAT 15/01/11
Condamine R at Warra-Kogan Rd Br	13.89m falling	03:00 PM SAT 15/01/11

Condamine R at Chinchilla Weir TW *	14.36m rising	02:30 PM SAT 15/01/11
Charleys Ck at Chinchilla	5.75m falling	07:00 AM SAT 15/01/11
Condamine R at Condamine	14.6m steady	07:00 AM SAT 15/01/11
Condamine R at Cotswold *	16.34m rising	02:10 PM SAT 15/01/11
Balonne R at Warkon	11.48m rising slowly	09:00 AM SAT 15/01/11
Yuleba Ck at Yuleba Forestry *	2.05m steady	02:00 PM SAT 15/01/11
Balonne R at Surat * (auto)	10.96m falling	02:40 PM SAT 15/01/11
Balonne R at Surat (manual)	11.36m rising slowly	06:00 AM SAT 15/01/11
Balonne R at Weribone *	11.68m steady	02:00 PM SAT 15/01/11
Balonne R at Warroo	13.7m falling slowly	09:00 AM SAT 15/01/11
Maranoa R at Old Cashmere *	2.65m steady	02:40 PM SAT 15/01/11
Balonne R at St George (manual)	11.85m falling	12:00 PM SAT 15/01/11
Balonne R at St George * (auto)	11.58m falling	02:10 PM SAT 15/01/11
Culgoa R at Woolerbilla *	6.54m steady	01:00 PM SAT 15/01/11
Balonne R Minor at Dirranbandi	5.3m steady	05:00 AM SAT 15/01/11
Narran R at Dirranbandi-Hebel Rd *	5.21m steady	02:00 PM SAT 15/01/11
Ballandool R at Hebel-Bollon Rd *	4.59m steady	12:50 PM SAT 15/01/11
Bokhara R at Hebel *	2.36m steady	12:00 PM SAT 15/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 8:28 AM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine and Balonne Rivers from Centenary Bridge through to the NSW Border. Stream rises are occurring downstream from Chinchilla Weir on the Condamine River with the flood peak currently near the Condamine Township.

Flood levels are rising in the Balonne River at Surat with a further major flood peak expected later this week. Flood levels at St George will commence to rise again during this week with a renewed major flood peak expected during the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor flooding continues to ease on the upper Condamine River at Pratten and Tummaville. Moderate to major flood levels are slowly easing downstream to Loudoun Bridge.

CHARLEYS CREEK:
Moderate flooding continues to slowly ease in Charleys Creek at Chinchilla, where at 7am Sunday the river level was 5.3 metres and falling slowly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues along the Condamine River between Loudoun Bridge and Cotswold, with the flood peak currently in the area of the Condamine Township. At 6am Sunday, the river level at Condamine Township was at 14.65 metres and slowly approaching a major flood peak later today.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Weribone, where a flood peak above 12 metres is expected at Surat later this week.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flooding continues to slowly ease in the Balonne River at St George, where at 6am Sunday the river level was 11.54 metres and falling slowly. Renewed rises are expected to commence during this week with levels expected to reach above 12 metres during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Peak to about 14.8 metres (major) during Sunday.
Surat	Exceed 12 metres on Tuesday/Wednesday with further rises. Peak expected later this week.
St George	Renewed rises to commence early this week. Exceed 12 metres later this week with further rises. Peak expected the week beginning 22nd January.

Forecasts will be updated once upstream peaks have been observed.

Weather Forecast:
Very isolated afternoon showers with a possible late thunderstorm in the SW.

Next Issue:
The next warning will be issued at about 3pm Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R @ Warwick(Scots Col.) *	1.66m falling	05:00 AM SUN 16/01/11
Condamine R at Tummaville *	5.48m falling	05:00 AM SUN 16/01/11
Condamine R at Centenary Br	6.55m falling	06:00 AM SUN 16/01/11
North Condamine R at Lone Pine *	2.84m falling	05:00 AM SUN 16/01/11
Oakey Ck at Fairview *	2.27m falling	05:00 AM SUN 16/01/11
Condamine R at Loudoun Br *	6.37m falling	05:00 AM SUN 16/01/11
Myall Ck at Dalby #	0.59m steady	06:02 AM SUN 16/01/11
Condamine R at Warra-Kogan Rd Br	13.27m falling	06:00 AM SUN 16/01/11
Condamine R at Chinchilla Weir TW *	14.01m falling	05:30 AM SUN 16/01/11
Charleys Ck at Chinchilla	5.3m falling slowly	07:00 AM SUN 16/01/11
Condamine R at Condamine	14.65m rising slowly	06:00 AM SUN 16/01/11
Condamine R at Cotswold *	16.67m steady	05:10 AM SUN 16/01/11
Balonne R at Warkon	11.66m rising slowly	06:00 AM SUN 16/01/11
Balonne R at Surat * (auto)	11.32m rising	06:00 AM SUN 16/01/11
Balonne R at Surat (manual)	11.79m rising	06:00 AM SUN 16/01/11
Balonne R at Weribone *	11.9m steady	06:00 AM SUN 16/01/11
Balonne R at Warroo	13.3m falling slowly	06:00 AM SUN 16/01/11
Balonne R at St George (manual)	11.54m falling	06:00 AM SUN 16/01/11
Balonne R at St George * (auto)	11.33m falling	05:10 AM SUN 16/01/11

Culgoa R at Woolerbilla *	6.53m	steady	07:00 AM SUN 16/01/11
Balonne R Minor at Dirranbandi	5.26m	falling slowly	06:00 AM SUN 16/01/11
Narran R at Dirranbandi-Hebel Rd *	5.19m	steady	06:00 AM SUN 16/01/11
Ballandool R at Hebel-Bollon Rd *	4.59m	steady	04:00 AM SUN 16/01/11
Bokhara R at Hebel *	2.37m	steady	04:00 AM SUN 16/01/11

*,# denotes automatic station.

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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 2:28 PM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding extends along the Condamine and Balonne Rivers from Centenary Bridge through to the NSW Border. Stream rises are occurring downstream from Chinchilla Weir on the Condamine River with the flood peak currently near the Condamine Township.

Flood levels are rising in the Balonne River at Surat with a further major flood peak expected later this week. Flood levels at St George will commence to rise again during this week with a renewed major flood peak expected during the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Minor flooding continues to ease on the upper Condamine River at Tummaville. Moderate to major flood levels are slowly easing downstream to Loudoun Bridge.

CHARLEYS CREEK:
Moderate flooding continues to slowly ease in Charleys Creek at Chinchilla, where at 7am Sunday the river level was 5.3 metres and falling slowly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues along the Condamine River between Loudoun Bridge and Cotswold, with the flood peak currently in the area of the Condamine Township. At midday Sunday, the river level at Condamine Township was at 14.67 metres and slowly approaching a major flood peak later today.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Weribone, where a flood peak above 12 metres is expected at Surat later this week.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flooding continues to slowly ease in the Balonne River at St George, where at midday Sunday the river level was 11.48 metres and falling slowly. Renewed rises are expected to commence during this week with levels expected to reach

above 12 metres during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	Peak to about 14.8 metres (major) during Sunday.
Surat	Exceed 12 metres on Tuesday/Wednesday with further rises. Peak expected later this week.
St George	Renewed rises to commence early this week. Exceed 12 metres later this week with further rises. Peak expected the week beginning 22nd January.

Forecasts will be updated once upstream peaks have been observed.

Weather Forecast:
Mostly fine with only isolated showers.

Next Issue:
The next warning will be issued at about 9am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R @ Warwick(Scots Col.) *	1.62m	falling	11:00 AM SUN 16/01/11
Condamine R at Tummaville *	5.21m	falling	11:00 AM SUN 16/01/11
Condamine R at Centenary Br	6.45m	falling	11:00 AM SUN 16/01/11
North Condamine R at Lone Pine *	2.68m	falling	11:00 AM SUN 16/01/11
Oakey Ck at Fairview *	2.14m	falling	11:00 AM SUN 16/01/11
Condamine R at Loudoun Br *	6.21m	falling	11:00 AM SUN 16/01/11
Myall Ck at Dalby #	0.59m	rising	01:43 PM SUN 16/01/11
Condamine R at Warra-Kogan Rd Br	13.1m	falling	09:00 AM SUN 16/01/11
Condamine R at Chinchilla Weir TW *	13.82m	rising	11:10 AM SUN 16/01/11
Charleys Ck at Chinchilla	5.3m	falling slowly	07:00 AM SUN 16/01/11
Condamine R at Condamine	14.67m	steady	12:00 PM SUN 16/01/11
Condamine R at Cotswold *	16.75m	steady	11:00 AM SUN 16/01/11
Balonne R at Warkon	11.68m	rising slowly	09:00 AM SUN 16/01/11
Balonne R at Surat * (auto)	11.35m	falling	12:00 PM SUN 16/01/11
Balonne R at Surat (manual)	11.79m	rising	06:00 AM SUN 16/01/11
Balonne R at Weribone *	12m	steady	12:00 PM SUN 16/01/11
Balonne R at Warroo	13.3m	falling slowly	06:00 AM SUN 16/01/11
Balonne R at St George (manual)	11.48m	falling	12:00 PM SUN 16/01/11
Balonne R at St George * (auto)	11.27m	steady	12:00 PM SUN 16/01/11
Balonne R at Whyenbah	8.01m	falling slowly	09:00 AM SUN 16/01/11
Culgoa R at Woolerbilla *	6.53m	steady	10:00 AM SUN 16/01/11
Balonne R Minor at Dirranbandi	5.26m	falling slowly	06:00 AM SUN 16/01/11
Narran R at Dirranbandi-Hebel Rd *	5.18m	steady	11:00 AM SUN 16/01/11
Ballandool R at Hebel-Bollon Rd *	4.59m	steady	08:00 AM SUN 16/01/11
Bokhara R at Hebel *	2.37m	steady	08:00 AM SUN 16/01/11

*,# denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:00 AM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from Loudoun Bridge through to the NSW Border. Stream rises are occurring downstream from Condamine Township on the Condamine River with the flood peak currently approaching the Cotswold area.

Flood levels are rising in the Balonne River at Surat with a further major flood peak to about 12.6 metres expected within the next few days. Flood levels at St George will commence to rise again during this week with a renewed major flood peak expected during the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Isolated moderate flooding is easing at Centenary Bridge, with minor flooding also easing at Cecil Plains. Major flood levels are slowly easing at Loudoun Bridge.

CHARLEYS CREEK:
Minor flooding continues to slowly ease in Charleys Creek at Chinchilla, where at 7am Monday the river level was 4.75 metres and falling slowly.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues along the Condamine River between Loudoun Bridge and Cotswold, with the flood peak currently approaching the Cotswold area. A major flood peak of 14.67 metres was recorded at Condamine Township during Sunday. At 5:45am Monday, the river level at Condamine Township was at 14.55 metres and falling slowly.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Weribone, where a flood peak above 12 metres is expected at Surat later this week.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flooding continues to slowly ease in the Balonne River at St George, where at 6am Monday the river level was 11.19 metres and falling slowly. Renewed rises are expected to commence during this week with levels expected to reach above 12 metres during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Condamine Township	River levels to ease below 13.0 metres late Tuesday.
Surat (Manual)	Peak near 12.6 metres (major) on Tuesday/Wednesday.
St George	Renewed rises to commence early this week.

Exceed 12 metres later this week with further rises.
Peak expected the week beginning 22nd January.

Forecasts will be updated once upstream peaks have been observed.

Weather Forecast:
Mainly fine, with possible showers and thunderstorms.

Next Issue:
The next warning will be issued at about 9am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Tummaville *	4.27m falling	05:00 AM MON 17/01/11
Condamine R at Centenary Br	6.14m falling	08:00 AM MON 17/01/11
North Condamine R at Lone Pine *	2.47m falling	05:00 AM MON 17/01/11
Oakey Ck at Fairview *	1.81m falling	05:00 AM MON 17/01/11
Condamine R at Loudoun Br *	5.76m falling	05:00 AM MON 17/01/11
Myall Ck at Dalby #	0.54m steady	06:02 AM MON 17/01/11
Condamine R at Warra-Kogan Rd Br	12.08m falling	05:45 AM MON 17/01/11
Condamine R at Chinchilla Weir TW *	13.04m falling	08:20 AM MON 17/01/11
Charleys Ck at Chinchilla	4.75m falling	07:00 AM MON 17/01/11
Condamine R at Condamine	14.55m falling slowly	05:45 AM MON 17/01/11
Condamine R at Cotswold *	16.95m rising	08:00 AM MON 17/01/11
Balonne R at Warkon	11.78m rising slowly	06:00 AM MON 17/01/11
Balonne R at Surat * (auto)	11.73m rising	08:20 AM MON 17/01/11
Balonne R at Surat (manual)	12.2m rising slowly	06:00 AM MON 17/01/11
Balonne R at Weribone *	12.45m rising	08:20 AM MON 17/01/11
Balonne R at Warroo	12.9m falling slowly	06:00 AM MON 17/01/11
Maranoa R at Old Cashmere *	2.43m steady	08:00 AM MON 17/01/11
Balonne R at St George (manual)	11.19m falling	06:00 AM MON 17/01/11
Balonne R at St George * (auto)	10.97m steady	08:00 AM MON 17/01/11
Balonne R at Whyenbah	8.01m falling slowly	09:00 AM SUN 16/01/11
Culgoa R at Woolerbilla *	6.52m steady	07:00 AM MON 17/01/11
Balonne R Minor at Dirranbandi	5.25m falling slowly	06:00 AM MON 17/01/11
Narran R at Dirranbandi-Hebel Rd *	5.16m steady	08:00 AM MON 17/01/11
Ballandool R at Hebel-Bollon Rd *	4.6m steady	08:00 AM MON 17/01/11
Bokhara R at Hebel *	2.38m steady	08:00 AM MON 17/01/11

*,# denotes automatic station.

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:11 AM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from the Warra-Kogan Road Bridge through to the NSW Border. Stream rises continue downstream from Condamine Township on the Condamine River with the flood peak currently in the Cotswold area.

Flood levels are rising in the Balonne River at Surat with a major flood peak near 12.6 metres is expected overnight tonight or early Wednesday morning. Flood levels above 12 metres are forecast for St George during this week with the major flood peak expected in the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Isolated moderate flooding is easing at Loudoun Bridge, with minor flooding also easing at Centenary Bridge.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues along the Condamine River between the Warra-Kogan Road Bridge and Cotswold, with the flood peak currently in the Cotswold area. River levels continue to ease at Condamine Township where at 6am Tuesday, the river level was 13.95 metres causing major flooding.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Warroo, where a flood peak near 12.6 metres is expected at Surat overnight tonight or Wednesday morning. At 6am Tuesday major flood levels at Surat were 12.39 metres and rising slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flooding continues to slowly ease in the Balonne River at St George, where at 6am Tuesday the river level was 10.92 metres and falling. Renewed rises are expected to commence during this week with levels expected to reach above 12 metres. A peak is expected for St George during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Surat (Manual)	Peak near 12.6 metres (major) on Tuesday/Wednesday.
St George	Renewed rises to commence early this week.
	Exceed 12 metres later this week with further rises.
	Peak expected the week beginning 22nd January.

Forecasts will be updated once upstream peaks have been observed.

Weather Forecast:
Isolated showers and thunderstorms.

Next Issue:
The next warning will be issued at about 4pm Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Centenary Br	5.4m falling	06:00 AM TUE 18/01/11
Condamine R at Loudoun Br *	5.13m falling	06:00 AM TUE 18/01/11
Condamine R at Warra-Kogan Rd Br	10.86m falling	06:00 AM TUE 18/01/11
Condamine R at Chinchilla Weir TW *	12.31m falling	08:20 AM TUE 18/01/11
Condamine R at Condamine	13.95m falling	06:00 AM TUE 18/01/11
Condamine R at Cotswold *	16.89m steady	08:00 AM TUE 18/01/11
Balonne R at Warkon	11.75m steady	06:00 AM TUE 18/01/11

Balonne R at Surat * (auto)	11.89m rising	08:00 AM TUE 18/01/11
Balonne R at Surat (manual)	12.39m rising slowly	06:00 AM TUE 18/01/11
Balonne R at Weribone *	12.97m steady	08:00 AM TUE 18/01/11
Balonne R at Warroo	13.1m rising slowly	06:00 AM TUE 18/01/11
Maranoa R at Old Cashmere *	2.32m steady	08:00 AM TUE 18/01/11
Balonne R at St George (manual)	10.92m falling	06:00 AM TUE 18/01/11
Balonne R at St George * (auto)	10.72m falling	08:20 AM TUE 18/01/11
Balonne R at Whyenbah	7.98m falling slowly	09:00 AM MON 17/01/11
Culgoa R at Woolerbilla *	6.5m steady	07:00 AM TUE 18/01/11
Balonne R Minor at Dirranbandi	5.24m falling slowly	06:00 AM TUE 18/01/11
Narran R at Dirranbandi-Hebel Rd *	5.12m steady	08:00 AM TUE 18/01/11
Ballandool R at Hebel-Bollon Rd *	4.61m steady	08:00 AM TUE 18/01/11
Bokhara R at Hebel *	2.37m steady	08:00 AM TUE 18/01/11

* from automatic station

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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 3:46 PM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from the
Warra-Kogan Road Bridge through to the NSW Border. Stream rises continue
downstream from Condamine Township on the Condamine River with the flood peak
currently in the Cotswold area.

Flood levels are rising in the Balonne River at Surat with a major flood peak
near 12.6 metres is expected overnight tonight. Flood levels above 12 metres are
forecast for St George during this week with the major flood peak expected in
the week beginning 22nd January.

UPPER CONDAMINE RIVER TO LOUDOUN BRIDGE:
Isolated moderate flooding continues to ease at Loudoun Bridge.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Major flooding continues along the Condamine River between the Warra-Kogan Road
Bridge and Cotswold, with the flood peak currently in the Cotswold area. River
levels continue to ease at Condamine Township where at 3pm Tuesday, the river
level was 13.6 metres causing major flooding.

BALONNE RIVER TO BEARDMORE DAM:
Renewed rises are occurring between Warkon and Warroo, where a flood peak near
12.6 metres is expected at Surat overnight tonight or Wednesday morning. At 2pm
Tuesday major flood levels at Surat were 12.39 metres and rising slowly.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flooding continues to slowly ease in the Balonne River at St George, where at 3pm Tuesday the river level was 10.84 metres and falling. Renewed rises are expected to commence during this week with levels expected to reach above 12 metres. A peak is expected for St George during the week beginning 22nd January.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Surat (Manual)	Peak near 12.6 metres (major) overnight tonight.
St George	Renewed rises to commence early this week. Exceed 12 metres later this week with further rises. Peak expected the week beginning 22nd January.

Forecasts will be updated once upstream peaks have been observed.

Weather Forecast:
Isolated showers and thunderstorms.

Next Issue:
The next warning will be issued at about 9am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Loudoun Br *	4.88m falling	02:00 PM TUE 18/01/11
Condamine R at Warra-Kogan Rd Br	10.45m falling	03:00 PM TUE 18/01/11
Condamine R at Chinchilla Weir TW *	12.2m rising	02:40 PM TUE 18/01/11
Condamine R at Condamine	13.6m falling	03:00 PM TUE 18/01/11
Condamine R at Cotswold *	16.79m steady	02:00 PM TUE 18/01/11
Balonne R at Warkon	11.75m steady	09:00 AM TUE 18/01/11
Balonne R at Surat * (auto)	11.89m falling	02:40 PM TUE 18/01/11
Balonne R at Surat (manual)	12.39m rising slowly	02:00 PM TUE 18/01/11
Balonne R at Weribone *	13.05m rising	02:30 PM TUE 18/01/11
Balonne R at Warroo	13.1m rising slowly	06:00 AM TUE 18/01/11
Maranoa R at Old Cashmere *	2.31m steady	02:00 PM TUE 18/01/11
Balonne R at St George (manual)	10.84m falling	03:00 PM TUE 18/01/11
Balonne R at St George * (auto)	10.65m falling	02:40 PM TUE 18/01/11
Culgoa R at Woolerbilla *	6.49m steady	01:00 PM TUE 18/01/11
Balonne R Minor at Dirranbandi	5.24m falling slowly	06:00 AM TUE 18/01/11
Narran R at Dirranbandi-Hebel Rd *	5.11m steady	02:00 PM TUE 18/01/11
Ballandool R at Hebel-Bollon Rd *	4.6m steady	12:00 PM TUE 18/01/11
Bokhara R at Hebel *	2.37m steady	12:00 PM TUE 18/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:04 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from the Warra-Kogan Road Bridge through to the NSW Border. Flood levels remain near a peak in the Balonne River at Surat. Flood levels at St George will exceed 12 metres later this week, with a major flood peak expected to reach near 12.5 metres late in the weekend or early next week.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major flooding continues to ease along the Condamine River between Loudoun Bridge and Cotswold. River levels are falling at Condamine Township, where at 6am Wednesday the river level was 12.92 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to ease along the Balonne River downstream from Warkon. At 6am Wednesday, the river level at Surat remains steady at a peak of 12.4 metres. Slow river rises and major flooding continues downstream between Weribone and Beardmore Dam.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flooding has commenced to slowly rise in the Balonne River at St George, where at 6am Wednesday the river level was 10.9 metres and rising. Further rises are expected to exceed 12 metres later this week, with a peak for St George expected late in the weekend or early next week.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border throughout January and into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Predicted River Heights/Flows:

Surat (Manual)	Remain steady at 12.4 metres (major) during Wednesday.
St George	Exceed 12 metres later this week with further rises. Peak near 12.5 metres (major) late in the weekend or early next week.

Forecasts will be updated once upstream peaks have been observed.

Weather Forecast:
Isolated showers and thunderstorms, tending scattered north and east of Goondiwindi in the afternoon and evening. Some moderate falls with thunderstorms.

Next Issue:
The next warning will be issued at about 9am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R @ Warwick(Scots Col.) *	1.39m rising	12:00 AM WED 19/01/11
Condamine R at Tummaville *	2.8m rising	08:00 AM WED 19/01/11
Condamine R at Centenary Br	4.9m falling	12:00 PM TUE 18/01/11
Condamine R at Loudoun Br *	4.2m falling	08:00 AM WED 19/01/11
Condamine R at Warra-Kogan Rd Br	9.8m falling	05:45 AM WED 19/01/11

Condamine R at Chinchilla Weir TW *	11.76m	steady	08:20 AM WED 19/01/11
Condamine R at Condamine	12.92m	falling	06:00 AM WED 19/01/11
Condamine R at Cotswold *	16.37m	falling	08:10 AM WED 19/01/11
Balonne R at Warkon	11.7m	falling slowly	06:00 AM WED 19/01/11
Balonne R at Surat * (auto)	11.87m	falling	08:20 AM WED 19/01/11
Balonne R at Surat (manual)	12.4m	steady	06:00 AM WED 19/01/11
Balonne R at Weribone *	13.13m	rising	08:00 AM WED 19/01/11
Balonne R at Warroo	13.7m	rising slowly	06:00 AM WED 19/01/11
Balonne R at St George (manual)	10.9m	rising	06:00 AM WED 19/01/11
Balonne R at St George * (auto)	10.77m	steady	08:00 AM WED 19/01/11
Culgoa R at Woolerbilla *	6.47m	steady	07:00 AM WED 19/01/11
Narran R at Dirranbandi-Hebel Rd *	5.09m	steady	08:10 AM WED 19/01/11
Ballandool R at Hebel-Bollon Rd *	4.59m	steady	08:00 AM WED 19/01/11
Bokhara R at Hebel *	2.35m	steady	08:00 AM WED 19/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:23 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from Chinchilla Weir to the NSW Border. Flood levels are falling at Surat. Flood levels at St George will exceed 12 metres this week, with a major flood peak expected to reach about 12.5 metres late in the weekend or early next week.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Moderate to major flooding continues to ease along the Condamine River between Loudoun Bridge and Cotswold. River levels are falling at Condamine Township, where at 6am Thursday the river level was 11.75 metres and falling.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to ease along the Balonne River downstream from Warkon. At 6am Thursday, the river level at Surat was 12.36 metres and falling. Major flooding continues to rise at Warroo. A flood peak of around 14.5 metres is expected overnight Friday or on Saturday.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flood levels have started to rise again at St George, where at 6am Thursday the river level was 11.45 metres. Rises will continue with a peak of about 12.5 metres expected late in the weekend or early next week.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

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Predicted River Heights/Flows:
St George             Exceed 12 metres later during Friday with further rises.
                      Peak near 12.5 metres (major) late in the weekend or
                      early next week.

Forecasts will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 9am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:
Condamine R at Killarney #          0.65m steady          06:46 AM THU 20/01/11
Condamine R at Elbow Valley #       1.58m steady          08:08 AM THU 20/01/11
Condamine R at Murrays Br #         2.6m steady           08:43 AM THU 20/01/11
Condamine R @ Warwick(Scots Col.) * 1.36m rising          12:00 AM THU 20/01/11
Glengallan Ck near Backwater Ck #   0.95m steady          08:12 AM THU 20/01/11
Condamine R at Tummaville *         2.74m falling         08:00 AM THU 20/01/11
North Condamine R at Lone Pine *    2.21m steady          05:00 AM THU 20/01/11
Condamine R at Loudoun Br *         3.32m falling         08:00 AM THU 20/01/11
Myall Ck at Dalby #                 0.44m steady          06:02 AM THU 20/01/11
Condamine R at Warra-Kogan Rd Br    8.8m falling          06:00 AM THU 20/01/11
Condamine R at Chinchilla Weir TW * 10.88m falling        08:20 AM THU 20/01/11
Condamine R at Condamine            11.75m falling slowly 06:00 AM THU 20/01/11
Condamine R at Cotswold *           15.58m falling        08:10 AM THU 20/01/11
Balonne R at Warkon                 11.59m falling slowly 06:00 AM THU 20/01/11
Yuleba Ck at Yuleba Forestry *      1.67m steady          08:00 AM THU 20/01/11
Balonne R at Surat * (auto)         11.82m falling        08:20 AM THU 20/01/11
Balonne R at Surat (manual)         12.36m falling slowly 06:00 AM THU 20/01/11
Balonne R at Weribone *             13.11m steady         08:00 AM THU 20/01/11
Balonne R at Warroo                 14.2m rising slowly   07:00 AM THU 20/01/11
Maranoa R at Old Cashmere *         2.29m steady          08:00 AM THU 20/01/11
Balonne R at St George (manual)     11.45m rising         06:00 AM THU 20/01/11
Balonne R at St George * (auto)     11.28m steady         08:10 AM THU 20/01/11
Balonne R at Whyenbah               7.95m falling slowly  09:00 AM WED 19/01/11
Culgoa R at Woolerbilla *           6.44m steady          07:00 AM THU 20/01/11
Balonne R Minor at Dirranbandi      5.2m steady           06:00 AM THU 20/01/11
Narran R at Dirranbandi-Hebel Rd *  5.05m steady          08:00 AM THU 20/01/11
Ballandool R at Hebel-Bollon Rd *   4.56m steady          08:00 AM THU 20/01/11
Bokhara R at Hebel *                2.33m steady          08:00 AM THU 20/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
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Issued at 8:33 AM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from Condamine to the NSW Border. Flood levels are falling at Surat. A major flood peak is expected at St George of about 12.5 metres late in the weekend or early next week.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Minor to major flooding will continue to ease along the Condamine River between Loudoun Bridge and Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to ease along the Balonne River downstream from Warkon. At 6am Friday, the river level at Surat was 12.18 metres and falling. Major flooding continues to rise slowly at Warroo. A flood peak of around 14.5 metres is expected overnight Friday or on Saturday at Warroo.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flood levels continue to rise at St George. At 3pm Thursday, the river level was 11.98 metres. A peak of about 12.5 metres is expected late in the weekend or early next week. Based on observations upstream, levels will remain steady for around 3 days once a peak has been reached.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. Levels at Dirranbandi are likely to remain above 5 metres well into February; flood levels at Hebel are likely to remain above 2 metres well into February.

Predicted River Heights/Flows:
St George Peak about 12.5 metres (major) late in the weekend or early next week.

Forecasts will be updated once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 10am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Killarney #	0.65m steady	06:46 AM FRI 21/01/11
Condamine R at Elbow Valley #	1.53m steady	05:08 AM FRI 21/01/11
Condamine R at Murrays Br #	2.35m steady	05:43 AM FRI 21/01/11
Condamine R @ Warwick(Scots Col.) *	1.55m falling	06:00 AM FRI 21/01/11
Glengallan Ck near Backwater Ck #	1.2m falling	07:51 AM FRI 21/01/11
Condamine R at Tummaville *	3.48m falling	06:00 AM FRI 21/01/11
North Condamine R at Lone Pine *	2.19m steady	06:00 AM FRI 21/01/11
Oakey Ck at Fairview *	2.55m rising	06:00 AM FRI 21/01/11
Condamine R at Loudoun Br *	3.09m steady	06:00 AM FRI 21/01/11
Myall Ck at Dalby #	0.54m steady	06:02 AM FRI 21/01/11
Condamine R at Warra-Kogan Rd Br	7.45m falling	06:00 AM FRI 21/01/11
Condamine R at Chinchilla Weir TW *	9.7m falling	06:10 AM FRI 21/01/11
Condamine R at Condamine	11.35m falling slowly	02:00 PM THU 20/01/11
Condamine R at Cotswold *	14.78m falling	06:00 AM FRI 21/01/11
Balonne R at Warkon	11.45m falling slowly	06:00 AM FRI 21/01/11
Yuleba Ck at Yuleba Forestry *	1.66m steady	11:00 PM THU 20/01/11
Balonne R at Surat * (auto)	11.67m rising	06:20 AM FRI 21/01/11
Balonne R at Surat (manual)	12.18m falling	06:00 AM FRI 21/01/11
Balonne R at Weribone *	13.02m rising	06:20 AM FRI 21/01/11
Maranoa R at Old Cashmere *	2.21m steady	05:00 AM FRI 21/01/11
Balonne R at St George (manual)	11.98m rising slowly	03:00 PM THU 20/01/11

Balonne R at St George * (auto)	11.66m rising	05:00 AM FRI 21/01/11
Balonne R at Whyenbah	7.93m falling slowly	09:00 AM THU 20/01/11
Culgoa R at Woolerbilla *	6.41m steady	07:00 AM FRI 21/01/11
Narran R at Dirranbandi-Hebel Rd *	5.02m steady	06:00 AM FRI 21/01/11
Ballandool R at Hebel-Bollon Rd *	4.54m steady	04:00 AM FRI 21/01/11
Bokhara R at Hebel *	2.31m steady	05:20 AM FRI 21/01/11

*automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 8:40 AM on Saturday the 22nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from Condamine to the NSW Border. Flood levels are falling at Surat. A major flood peak is expected at St George of about 12.5 metres on Sunday or Monday. Flood levels at Dirranbandi and Hebel will remain high well into February.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Minor to major flooding will continue to ease along the Condamine River between Loudoun Bridge and Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to ease along the Balonne River downstream from Warkon. At 6am Saturday, the river level at Surat was 11.98 metres and falling. Major flooding continues at Warroo with levels around the peak of 14.5 metres.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flood levels continue to rise at St George. At 6am Saturday, the river level was 12.25 metres. A peak of about 12.5 metres is expected on Sunday or Monday. Based on observations upstream, levels will remain steady for around 3 days once a peak has been reached.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. Levels at Dirranbandi are likely to remain above 5 metres well into February; flood levels at Hebel are likely to remain above 2 metres well into February.

Predicted River Heights/Flows:
St George: Reach the peak of about 12.5 metres on Sunday or Monday. Remain at peak level for around 3 days.

Next Issue:
The next warning will be issued by 10am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Loudoun Br *	3.16m steady	06:00 AM SAT 22/01/11
Myall Ck at Dalby #	0.44m steady	06:02 AM SAT 22/01/11
Condamine R at Warra-Kogan Rd Br	6.2m falling	06:00 AM SAT 22/01/11
Condamine R at Chinchilla Weir TW *	8.37m falling	06:00 AM SAT 22/01/11
Condamine R at Cotswold *	13.97m steady	06:10 AM SAT 22/01/11
Balonne R at Warkon	11.3m falling slowly	06:00 AM SAT 22/01/11
Yuleba Ck at Yuleba Forestry *	1.63m steady	06:00 AM SAT 22/01/11
Balonne R at Surat * (auto)	11.37m falling	06:10 AM SAT 22/01/11
Balonne R at Surat (manual)	11.98m falling slowly	06:00 AM SAT 22/01/11
Balonne R at Weribone *	12.81m steady	06:00 AM SAT 22/01/11
Balonne R at Warroo	14.5m steady	06:00 AM SAT 22/01/11
Balonne R at St George (manual)	12.25m rising slowly	06:00 AM SAT 22/01/11
Balonne R at St George * (auto)	11.97m rising	06:00 AM SAT 22/01/11
Balonne R at Whyenbah	7.96m rising slowly	09:00 AM FRI 21/01/11
Culgoa R at Woolerbilla *	6.38m steady	07:00 AM SAT 22/01/11
Narran R at Dirranbandi-Hebel Rd *	5.01m steady	06:00 AM SAT 22/01/11
Ballandool R at Hebel-Bollon Rd *	4.52m steady	04:00 AM SAT 22/01/11
Bokhara R at Hebel *	2.29m steady	04:00 AM SAT 22/01/11

*automatic station

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IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:17 AM on Sunday the 23rd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from Condamine to the NSW Border. Flood levels are slowly easing at Surat. A major flood peak to about 12.5 metres is expected at St George during Sunday or Monday. Flood levels further downstream at Dirranbandi and Hebel will remain high well into February.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Minor to major flooding will continue to ease along the Condamine River between Loudoun Bridge and Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to ease along the Balonne River downstream from Warkon. At 8:10am Sunday, the river level at Surat was 11.2 metres and falling. Major flooding remains steady at a peak of 14.5 metres at Warroo.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flood levels continue to slowly rise at St George. At 6am Sunday the river level at St George was 12.41 metres, with further small rises expected to reach a peak of about 12.5 metres during Sunday or Monday. Based on observations upstream, levels will remain steady for around 3 days once a peak has been reached.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. Flood levels at Dirranbandi are likely to remain above 5 metres well into February; levels at Hebel are likely to remain above 2 metres also well into February.

Predicted River Heights/Flows:
St George Reach a peak of about 12.5 metres on Sunday or Monday.
Remain at a peak level for around 3 days.

Next Issue:
The next warning will be issued at about 10am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Tummaville *	2.3m falling	08:00 AM SUN 23/01/11
Condamine R at Loudoun Br *	3.12m steady	08:00 AM SUN 23/01/11
Condamine R at Warra-Kogan Rd Br	5.95m falling	06:00 AM SUN 23/01/11
Condamine R at Chinchilla Weir TW *	6.97m rising	08:20 AM SUN 23/01/11
Condamine R at Condamine	NA	
Condamine R at Cotswold *	13.15m falling	08:10 AM SUN 23/01/11
Balonne R at Warkon	11.14m falling slowly	06:00 AM SUN 23/01/11
Balonne R at Surat * (auto)	11.2m falling	08:10 AM SUN 23/01/11
Balonne R at Surat (manual)	11.72m falling	06:00 AM SUN 23/01/11
Balonne R at Weribone *	12.6m steady	08:00 AM SUN 23/01/11
Balonne R at Warroo	14.5m steady	07:30 AM SUN 23/01/11
Balonne R at St George (manual)	12.41m rising	06:00 AM SUN 23/01/11
Balonne R at St George * (auto)	12.09m falling	08:20 AM SUN 23/01/11
Culgoa R at Woolerbilla *	6.36m steady	07:00 AM SUN 23/01/11
Balonne R Minor at Dirranbandi	5.23m rising slowly	06:00 AM SUN 23/01/11
Narran R at Dirranbandi-Hebel Rd *	5.01m steady	08:00 AM SUN 23/01/11
Ballandool R at Hebel-Bollon Rd *	4.49m steady	08:00 AM SUN 23/01/11
Bokhara R at Hebel *	2.27m steady	08:00 AM SUN 23/01/11

* denotes automatic station.

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:33 AM on Monday the 24th of January 2011

by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Condamine and Balonne Rivers from Cotswold to the NSW Border. Flood levels continue to slowly east at Surat. River levels at St George have remained steady at a peak of just under 12.5 metres for the past 24 hours. Flood levels further downstream at Dirranbandi and Hebel will remain high well into February.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Minor to major flooding will continue to ease along the Condamine River between Loudoun Bridge and Cotswold.

BALONNE RIVER TO BEARDMORE DAM:
Major flooding continues to ease along the Balonne River downstream from Warkon. At 8am Monday, the river level at Surat was 10.88 metres and falling. Major flooding remains steady at a peak of 14.5 metres at Warroo.

BALONNE RIVER - ST GEORGE TO NSW BORDER:
Major flood levels at St George have remained steady at a peak of just under 12.5 metres for the past 24 hours. At 9am Monday the river level at St George was 12.46 metres. River levels are expected to remain steady until around Thursday.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek. Flood levels at Dirranbandi are likely to remain above 5 metres well into February; levels at Hebel are likely to remain above 2 metres also well into February.

Predicted River Heights/Flows:
St George: Currently at a peak just under 12.5 metres and expected to remain steady around that level until about Thursday.

Next Issue:
The next warning will be issued at about 10am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Loudoun Br *	2.95m steady	08:00 AM MON 24/01/11
Condamine R at Warra-Kogan Rd Br	5.89m falling	03:00 PM SUN 23/01/11
Condamine R at Chinchilla Weir TW *	6.1m rising	08:10 AM MON 24/01/11
Condamine R at Cotswold *	12.31m steady	08:10 AM MON 24/01/11
Balonne R at Warkon	11.02m falling slowly	09:00 PM SUN 23/01/11
Yuleba Ck at Yuleba Forestry *	1.7m steady	08:00 AM MON 24/01/11
Balonne R at Surat * (auto)	10.89m rising	08:10 AM MON 24/01/11
Balonne R at Surat (manual)	11.42m falling	06:00 AM MON 24/01/11
Balonne R at Weribone *	12.34m falling	09:00 AM MON 24/01/11
Balonne R at Warroo	14.5m falling slowly	06:00 AM MON 24/01/11
Maranoa R at Old Cashmere *	2.08m steady	08:00 AM MON 24/01/11
Balonne R at St George (manual)	12.46m falling slowly	09:00 AM MON 24/01/11
Balonne R at St George * (auto)	12.13m falling	08:30 AM MON 24/01/11
Culgoa R at Woolerbilla *	6.34m steady	07:00 AM MON 24/01/11
Narran R at Dirranbandi-Hebel Rd *	5.05m steady	08:20 AM MON 24/01/11
Ballandool R at Hebel-Bollon Rd *	4.47m steady	08:00 AM MON 24/01/11
Bokhara R at Hebel *	2.26m steady	08:00 AM MON 24/01/11

* denotes automatic station.

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
Issued at 9:44 AM on Tuesday the 25th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne Rivers from Warkon to the NSW Border. River levels at St George will fall very slowly. Flood levels at Dirranbandi and Hebel will remain high well into February.

CONDAMINE RIVER - LOUDOUN BRIDGE TO COTSWOLD:
Minor to major flooding will continue to ease along the Condamine River between Loudoun Bridge and Cotswold.

BALONNE RIVER
Major flooding continues to ease along the Balonne River downstream from Warkon to St George. Major flood levels at St George are falling very slowly. At 6am Tuesday, the river level at St George was 12.36 metres.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border well into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

At 6am Tuesday, the river level at Dirranbandi was 5.27 metres. Flood levels at Dirranbandi are expected to rise to around 5.3 metres and remain above 5 metres well into February. Levels at Hebel are likely to remain above 2 metres well into February.

Next Issue:
The next warning will be issued by 11am Wednesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Condamine R at Cotswold *	11.24m falling	08:10 AM TUE 25/01/11
Balonne R at Warkon	10.63m falling slowly	09:00 AM TUE 25/01/11
Yuleba Ck at Yuleba Forestry *	1.63m steady	08:00 AM TUE 25/01/11
Balonne R at Surat * (auto)	10.56m falling	08:20 AM TUE 25/01/11
Balonne R at Surat (manual)	11.07m falling	09:00 AM TUE 25/01/11
Balonne R at Weribone *	12.08m falling	08:20 AM TUE 25/01/11
Maranoa R at Old Cashmere *	2.03m steady	08:00 AM TUE 25/01/11
Balonne R at St George (manual)	12.35m falling	09:00 AM TUE 25/01/11
Balonne R at St George * (auto)	12.06m rising	08:20 AM TUE 25/01/11
Balonne R at Whyenbah	8.03m steady	09:00 AM TUE 25/01/11
Culgoa R at Woolerbilla *	6.34m steady	07:00 AM TUE 25/01/11
Balonne R Minor at Dirranbandi	5.27m rising slowly	06:00 AM TUE 25/01/11
Narran R at Dirranbandi-Hebel Rd *	5.09m steady	08:00 AM TUE 25/01/11
Ballandool R at Hebel-Bollon Rd *	4.45m steady	08:00 AM TUE 25/01/11
Bokhara R at Hebel *	2.25m steady	08:00 AM TUE 25/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 9:55 AM on Wednesday the 26th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne River system from Surat to the NSW Border. River levels at St George will continue to fall. Flood levels at Dirranbandi and Hebel will remain high well into February. Minor flooding is easing along the Condamine River.

Major flooding continues to ease along the Balonne River from Surat to St George. At 9am Wednesday, the river level at St George was 12.18 metres.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border well into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Flood levels at Dirranbandi are expected to rise to around 5.3 metres and remain above 5 metres well into February. Levels at Hebel are likely to remain above 2 metres well into February.

Next Issue:
The next warning will be issued by 11am Thursday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Balonne R at Surat * (auto)	10.25m falling	08:20 AM WED 26/01/11
Balonne R at Surat (manual)	10.78m falling	06:00 AM WED 26/01/11
Balonne R at Weribone *	11.8m steady	08:00 AM WED 26/01/11
Maranoa R at Old Cashmere *	2.16m rising	08:00 AM WED 26/01/11
Balonne R at St George (manual)	12.18m falling	09:00 AM WED 26/01/11
Balonne R at St George * (auto)	11.86m steady	08:00 AM WED 26/01/11
Balonne R at Whyenbah	8m falling slowly	09:00 AM WED 26/01/11
Culgoa R at Whyenbah *	6.49m steady	08:00 AM WED 26/01/11
Culgoa R at Woolerbilla *	6.38m steady	07:00 AM WED 26/01/11
Narran R at Dirranbandi-Hebel Rd *	5.11m steady	08:00 AM WED 26/01/11
Ballandool R at Hebel-Bollon Rd *	4.45m steady	08:00 AM WED 26/01/11
Bokhara R at Hebel *	2.25m steady	08:00 AM WED 26/01/11

*automatic station

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public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 10:44 AM on Thursday the 27th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne River system from Surat to the NSW Border. River levels at St George will continue to fall. Flood levels at Dirranbandi and Hebel will remain high well into February. Minor flooding continues to ease in the Condamine River at Cotswold.

Major flooding continues to ease along the Balonne River from Surat to St George. At 9pm Wednesday, the river level at St George was 12.04 metres.

High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border well into February. This includes the Bokhara, Culgoa, Balonne Minor and Narran Rivers and Ballandool Creek.

Flood levels at Dirranbandi are expected to rise to around 5.3 metres and remain above 5 metres well into February. Levels at Hebel are likely to remain above 2 metres well into February.

Next Issue:
The next warning will be issued by 11am Friday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Balonne R at Surat * (auto)	9.95m	rising	08:20 AM THU 27/01/11
Balonne R at Surat (manual)	10.36m	falling	06:00 AM THU 27/01/11
Balonne R at Weribone *	11.47m	steady	08:10 AM THU 27/01/11
Balonne R at St George (manual)	12.04m	falling	09:00 PM WED 26/01/11
Balonne R at St George * (auto)	11.63m	steady	08:00 AM THU 27/01/11
Culgoa R at Whyenbah *	6.48m	steady	08:00 AM THU 27/01/11
Culgoa R at Woolerbilla *	6.41m	steady	04:10 AM THU 27/01/11
Narran R at Dirranbandi-Hebel Rd *	5.11m	steady	08:00 AM THU 27/01/11
Ballandool R at Hebel-Bollon Rd *	4.48m	steady	08:00 AM THU 27/01/11
Bokhara R at Hebel *	2.27m	steady	08:00 AM THU 27/01/11

* from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 10:07 AM on Friday the 28th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne River system from Surat to the NSW Border. River levels at St George will continue to fall.

Major flooding continues to ease along the Balonne River from Surat to St George.
High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border well into February.

Flood levels at Dirranbandi are expected to remain above 5 metres well into February. Levels at Hebel are likely to remain above 2 metres well into February.

Next Issue:
The next warning will be issued by 10am Saturday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Balonne R at Surat * (auto)	9.53m rising	09:00 AM FRI 28/01/11
Balonne R at Surat (manual)	9.8m falling	10:00 AM FRI 28/01/11
Balonne R at Weribone *	11.05m falling	09:00 AM FRI 28/01/11
Maranoa R at Old Cashmere *	2.13m steady	08:00 AM FRI 28/01/11
Balonne R at St George (manual)	11.55m falling	09:00 AM FRI 28/01/11
Balonne R at St George * (auto)	11.35m steady	08:00 AM FRI 28/01/11
Balonne R at Whyenbah	7.98m falling slowly	09:00 AM FRI 28/01/11
Culgoa R at Whyenbah *	6.47m steady	08:00 AM FRI 28/01/11
Culgoa R at Woolerbilla *	6.43m steady	07:00 AM FRI 28/01/11
Balonne R Minor at Dirranbandi	5.24m falling slowly	06:00 AM FRI 28/01/11
Narran R at Dirranbandi-Hebel Rd *	5.1m steady	08:00 AM FRI 28/01/11
Ballandool R at Hebel-Bollon Rd *	4.52m steady	08:00 AM FRI 28/01/11
Bokhara R at Hebel *	2.3m steady	08:00 AM FRI 28/01/11

*automatic station

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 10:18 AM on Saturday the 29th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne River system from Surat to the NSW Border. River levels at St George will continue to fall.

Major flooding continues to ease along the Balonne River from Surat to St George. High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border well into February.

Flood levels at Dirranbandi are expected to remain above 5 metres well into February. Levels at Hebel are likely to remain above 2 metres well into February.

Next Issue:
The next warning will be issued by 10am Sunday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Balonne R at Surat * (auto)	9.02m steady	08:00 AM SAT 29/01/11
Balonne R at Surat (manual)	9.38m falling	06:00 AM SAT 29/01/11
Balonne R at Weribone *	10.64m falling	08:00 AM SAT 29/01/11
Maranoa R at Old Cashmere *	2.15m steady	08:00 AM SAT 29/01/11
Balonne R at St George (manual)	11.14m falling	09:00 AM SAT 29/01/11
Balonne R at St George * (auto)	10.94m falling	08:00 AM SAT 29/01/11
Balonne R at Whyenbah	7.95m falling slowly	09:00 AM SAT 29/01/11
Culgoa R at Whyenbah *	6.47m steady	08:00 AM SAT 29/01/11
Culgoa R at Woolerbilla *	6.42m steady	07:00 AM SAT 29/01/11
Balonne R Minor at Dirranbandi	5.25m rising slowly	06:00 AM SAT 29/01/11
Narran R at Dirranbandi-Hebel Rd *	5.08m steady	08:00 AM SAT 29/01/11
Ballandool R at Hebel-Bollon Rd *	4.54m steady	08:00 AM SAT 29/01/11
Bokhara R at Hebel *	2.32m steady	08:00 AM SAT 29/01/11

* from automatic station

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 9:40 AM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne River system from Weribone to the NSW Border. River levels at St George will continue to fall.

Major to moderate flooding continues to ease along the Balonne River from Surat

to St George. High level major flooding will continue in the Balonne River system downstream from St George to the NSW Border well into February.

Next Issue:
The next warning will be issued by 10am Monday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Balonne R at Surat * (auto)	8.25m falling	08:10 AM SUN 30/01/11
Balonne R at Surat (manual)	8.58m falling	06:00 AM SUN 30/01/11
Balonne R at Weribone *	10.06m falling	08:20 AM SUN 30/01/11
Maranoa R at Old Cashmere *	2.07m steady	08:00 AM SUN 30/01/11
Balonne R at St George (manual)	10.6m falling	06:00 AM SUN 30/01/11
Balonne R at St George * (auto)	10.32m falling	08:20 AM SUN 30/01/11
Balonne R at Whyenbah	7.93m falling slowly	09:00 AM SUN 30/01/11
Culgoa R at Whyenbah *	6.46m steady	08:00 AM SUN 30/01/11
Culgoa R at Woolerbilla *	6.39m steady	07:00 AM SUN 30/01/11
Narran R at Dirranbandi-Hebel Rd *	5.06m steady	08:00 AM SUN 30/01/11
Ballandool R at Hebel-Bollon Rd *	4.55m steady	08:00 AM SUN 30/01/11
Bokhara R at Hebel *	2.32m steady	08:00 AM SUN 30/01/11

*automatic station

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TO::BOM619

IDQ20825

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BALONNE RIVER
Issued at 9:08 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding extends along the Balonne River system from St George to the NSW Border. Moderate flooding continues to ease upstream from Surat to Weribone.

Moderate to major flooding continues to ease along the Balonne River from Surat to St George. The river level at St George is expected to fall below the major flood level later this week. Major flooding is expected to continue downstream from St George to the NSW Border this week and then commence easing during next week.

Next Issue:
The next warning will be issued by 10am Tuesday.
(River heights are constantly updated on the Bureau website.)

Latest River Heights:

Balonne R at Surat * (auto)	7.06m falling	08:20 AM MON 31/01/11
Balonne R at Surat (manual)	7.37m falling	06:00 AM MON 31/01/11

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Balonne R at Weribone *              9.21m falling        08:10 AM MON 31/01/11
Maranoa R at Old Cashmere *          1.98m steady         08:00 AM MON 31/01/11
Balonne R at St George (manual)      9.8m falling         06:00 AM MON 31/01/11
Balonne R at St George * (auto)      9.54m falling        08:20 AM MON 31/01/11
Balonne R at Whyenbah                7.93m falling slowly 09:00 AM SUN 30/01/11
Culgoa R at Whyenbah *               6.44m steady         08:00 AM MON 31/01/11
Culgoa R at Woolerbilla *            6.38m steady         04:20 PM SUN 30/01/11
Narran R at Dirranbandi-Hebel Rd *   5.03m steady         08:00 AM MON 31/01/11
Ballandool R at Hebel-Bollon Rd *    4.55m steady         08:00 AM MON 31/01/11
Bokhara R at Hebel *                 2.32m steady         08:00 AM MON 31/01/11

* automatic station.

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(24)"

FLDWARN for the Border Rivers

1 December 2010 to 31 January 2011

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRELIMINARY FLOOD WARNING FOR MACINTYRE RIVER AND TRIBUTARIES
Issued at 11:21 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises causing minor to moderate flooding in the Kildonan to
Goondiwindi area are expected early next week following moderate rainfall
recorded in the 24 hours to 9am Saturday.

The heaviest rainfall totals that have been recorded include: Glenlyon Dam 36mm,
Goondiwindi 27mm, 25-30mm in the Stanthorpe area and in the upper Macintyre
River catchment in NSW.

Next Issue:
The next warning will be issued at about 9am Sunday.

Latest River Heights:
Severn R at Ashford                 0.75m steady  08:00 AM SAT 11/12/10
Macintyre R at Holdfast             0.87m steady  11:00 AM SAT 11/12/10
Dumaresq R at Farnbro *             1.22m rising  08:00 AM SAT 11/12/10
Pike Ck at Glenlyon Dam TW *        0.38m steady  08:00 AM SAT 11/12/10
Dumaresq R at Roseneath             1.08m steady  10:15 AM SAT 11/12/10
Beardy R at Haystack                0.86m steady  11:39 AM SAT 11/12/10
Dumaresq R at Bonshaw               3.14m steady  10:30 AM SAT 11/12/10
Dumaresq R at Texas *               1.86m steady  08:19 AM SAT 11/12/10
Dumaresq R at Glenarbon Weir *      0.63m steady  10:00 AM SAT 11/12/10
Macintyre Bk at Coolmunda Dam TW * -0.14m steady  08:15 AM SAT 11/12/10
Macintyre Bk at Inglewood Br *      2.25m steady  08:29 AM SAT 11/12/10
Dumaresq R at Bengalla *            0.91m steady  08:10 AM SAT 11/12/10
Macintyre R at New Kildonan *       2.26m falling 08:30 AM SAT 11/12/10
Macintyre R at Boggabilla           1.94m steady  09:15 AM SAT 11/12/10
Macintyre R at Goondiwindi *        2.56m falling 08:00 AM SAT 11/12/10
Callandoon Ck at Carana Weir *      2.09m steady  08:20 AM SAT 11/12/10
Callandoon Ck at Oonavale*          2.32m falling 06:00 AM SAT 11/12/10
Macintyre R at Terrewah             6.13m steady  10:00 AM SAT 11/12/10

* from automatic station


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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR WEIR RIVER
Issued at 9:07 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall in the Weir River catchment is producing river level rises and moderate flooding in the O'Connor area. River level rises and minor to moderate flooding are expected in the upper Weir River between Retreat Bridge and the Gunn Bridge area and also in Yarrill Creek between Kilbronae and Medpark Bridge during this week.

Minor flooding is occurring in the Stanthorpe area and also in the Severn River at Ballandean. River level rises in the lower Macintyre River at Goondiwindi are expected during the next few days with minor flooding possible.

Moderate flooding in the lower Macintyre River at Terrewah is expected to continue this week.

Next Issue:
The next warning will be issued at about 9am Monday.

Latest River Heights:

Macintyre R at Terrewah	6.09m steady	07:30 AM SUN 12/12/10
Weir R at O'Connor *	6.53m rising	08:10 AM SUN 12/12/10
Weir R at Retreat Br *	3.82m steady	08:00 AM SUN 12/12/10
Weir R at Ballymena *	3.1m rising	08:20 AM SUN 12/12/10
Weir R at Gunn Br *	2.86m steady	08:00 AM SUN 12/12/10
Yarrill Ck at Medpark Br *	0.86m rising	08:00 AM SUN 12/12/10
Weir R at Giddi Giddi South *	2.74m steady	08:00 AM SUN 12/12/10
Weir R at Hartmann Br *	2.56m steady	08:00 AM SUN 12/12/10
Weir R at Surrey *	1.17m rising	09:00 PM SAT 11/12/10
Weir R at Talwood *	1.03m steady	08:00 AM SUN 12/12/10
Weir R at Jericho *	1.53m steady	08:00 AM SUN 12/12/10

* from automatic station

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR WEIR RIVER
Issued at 8:48 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring along the upper Weir River with the flood peak currently in the Ballymena area. Minor flood levels are also nearing a peak in Yarrill Creek at Medpark Bridge. River rises and minor flooding are expected to develop downstream along the lower Weir River during this week as upstream floodwaters arrive.

A moderate flood peak to 6.57 metres was recorded at 9am Sunday at O'Connor. River rises are occurring downstream from O'Connor with minor flooding nearing a peak at Ballymena during Monday morning, and minor flooding expected to develop downstream at Gunn Bridge during Monday.

Weather Forecast:
Isolated afternoon showers.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Weir R at O'Connor *	3.38m	falling	08:10 AM MON 13/12/10
Weir R at Retreat Br *	5.48m	rising	08:20 AM MON 13/12/10
Weir R at Ballymena *	5.65m	rising	08:10 AM MON 13/12/10
Weir R at Gunn Br *	4.54m	rising	08:20 AM MON 13/12/10
Yarrill Ck at Medpark Br *	3.49m	rising	08:20 AM MON 13/12/10
Weir R at Giddi Giddi South *	2.83m	steady	08:00 AM MON 13/12/10
Weir R at Hartmann Br *	2.85m	steady	08:20 AM MON 13/12/10
Weir R at Surrey *	2.08m	steady	09:00 PM SUN 12/12/10
Weir R at Talwood *	1.45m	rising	08:10 AM MON 13/12/10
Weir R at Jericho *	1.55m	steady	08:00 AM MON 13/12/10
Weir R at Mascot *	NA		

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR RIVER
Issued at 8:42 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding remains steady in the upper Weir River at Ballymena, with minor flooding easing in Yarrill Creek at Medpark Bridge. A minor flood peak is approaching the lower Weir River at Gunn Bridge, with river rises and minor flooding expected to develop downstream along the lower Weir River during this week as upstream floodwaters arrive.

Weather Forecast:
Fine.

Next Issue:

The next warning will be issued at about 9am Wednesday.

Latest River Heights:

Weir R at O'Connor *	1.95m	falling	08:10 AM TUE 14/12/10
Weir R at Retreat Br *	4.51m	falling	08:20 AM TUE 14/12/10
Weir R at Ballymena *	5.62m	steady	08:00 AM TUE 14/12/10
Weir R at Gunn Br *	4.89m	steady	06:00 AM TUE 14/12/10
Yarrill Ck at Medpark Br *	3.11m	falling	08:20 AM TUE 14/12/10
Weir R at Giddi Giddi South *	2.98m	steady	08:20 AM TUE 14/12/10
Weir R at Hartmann Br *	2.95m	steady	08:00 AM TUE 14/12/10
Weir R at Surrey *	2.52m	steady	09:00 PM MON 13/12/10
Weir R at Talwood *	1.97m	rising	08:00 AM TUE 14/12/10
Weir R at Jericho *	1.59m	steady	06:00 AM TUE 14/12/10
Weir R at Mascot *	NA		
Dumaresq R at Bengalla *	4.12m	rising	05:20 AM TUE 14/12/10
Macintyre R at New Kildonan *	3.84m	falling	05:50 AM TUE 14/12/10
Macintyre R at Boggabilla	4.07m	rising	06:30 AM TUE 14/12/10
Macintyre R at Goondiwindi *	4.42m	rising	08:20 AM TUE 14/12/10
Macintyre R at Terrewah	4.89m	falling	06:00 AM TUE 14/12/10

* denotes automatic station.

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public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE WEIR RIVER
Issued at 8:55 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels continue to ease below minor flood level along the upper Weir River and Yarrill Creek. River levels are rising very slowly along the lower Weir River between Giddi Giddi and Jericho, with some minor flooding expected to develop during the remainder of this week and over the weekend.

Minor flooding is occurring on the lower Macintyre River in the Goondiwindi area between Kildonan and Terrewah.

Further showers and thunderstorms are forecast for the remainder of the week but this is not expected to have a significant effect on river levels.

Motorists are warned not to enter flooded road crossings.

Weather Forecast:
Isolated afternoon showers and thunderstorms, mostly in the east.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

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Latest River Heights:
Weir R at O'Connor *                1.5m falling  08:00 AM WED 15/12/10
Weir R at Retreat Br *              2.14m falling 08:00 AM WED 15/12/10
Weir R at Ballymena *               4.01m falling 08:20 AM WED 15/12/10
Weir R at Gunn Br *                 4.56m falling 06:00 AM WED 15/12/10
Yarrill Ck at Medpark Br *          1.98m falling 08:10 AM WED 15/12/10
Weir R at Giddi Giddi South *       3.22m rising  08:10 AM WED 15/12/10
Weir R at Hartmann Br *             3.07m steady  08:00 AM WED 15/12/10
Weir R at Surrey *                  2.77m steady  09:00 PM TUE 14/12/10
Weir R at Talwood *                 2.28m steady  08:00 AM WED 15/12/10
Weir R at Jericho *                 1.7m steady   08:00 AM WED 15/12/10
Weir R at Mascot *                  NA

Dumaresq R at Bengalla *            3.06m falling 05:40 AM WED 15/12/10
Macintyre R at New Kildonan *       3.86m steady  05:30 AM WED 15/12/10
Macintyre R at Boggabilla           4.69m falling 06:30 AM WED 15/12/10
Macintyre R at Goondiwindi *        4.93m falling 08:20 AM WED 15/12/10
Callandoon Ck at Carana Weir *      3.99m steady  08:10 AM WED 15/12/10
Callandoon Ck at Oonavale*          3.59m rising  06:00 AM WED 15/12/10
Macintyre R at Terrewah             5.51m rising  06:15 AM WED 15/12/10

* denotes automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR RIVER
Issued at 11:51 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

24-hour rainfall totals to 9am Monday in excess of 100 mm have fallen over the
upper reaches of the Weir River.  This has caused rapid rises and major flooding
in the Weir River at O'Connor where at 10.40pm Monday the river level was 13.57
metres and rising. This exceeds the 1988 flood level.

Major flood levels will develop at Retreat Bridge during Tuesday and extend
further downstream during the week. Minor flooding continues at Jericho with
further rises and major flooding expected early next week as the upstream peak
arrives.

Weather Forecast:
Cloudy with a few showers in eastern parts.

Next Issue:
The next warning will be issued at 1pm Tuesday.

Latest River Heights:
Weir R at O'Connor *                13.57m rising 10:40 PM MON 27/12/10
Weir R at Retreat Br *              6.25m rising  10:50 PM MON 27/12/10
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Weir R at Ballymena *              1.19m falling 08:40 PM MON 27/12/10
Weir R at Gunn Br *                0.56m steady  08:00 PM MON 27/12/10
Weir R at Giddi Giddi South *      2.83m falling 08:20 PM MON 27/12/10
Weir R at Hartmann Br *            3.24m steady  08:30 PM MON 27/12/10
Weir R at Surrey *                 3.11m steady  09:00 PM MON 27/12/10
Weir R at Talwood *                2.64m steady  08:00 PM MON 27/12/10
Weir R at Jericho *                2.5m falling  08:10 PM MON 27/12/10

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK
Issued at 12:03 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent heavy rainfall across the upper Weir and Macintyre River catchments is
causing river rises and moderate to major flooding along the upper Weir River at
O'Connors and in Macintyre Brook in the Inglewood area. Minor to moderate
flooding will extend downstream along the lower Macintyre River to the
Goondiwindi area later this week. Moderate to major flooding will extend
downstream along the lower Weir River during this weekend and into next week.

WEIR RIVER:

Recent heavy rainfall is causing river rises and moderate to major flooding
along the upper Weir between O'Connors and Retreat Bridge, with minor flooding
to develop at Ballymena during Tuesday. River rises and moderate to major
flooding will develop downstream along the lower Weir River during next week.
Minor flooding continues at Jericho.

MACINTYRE RIVER AND MACINTYRE BROOK:

Recent heavy rainfall across the upper Macintyre Brook and the Severn and
Dumaresq Rivers is causing fast stream rises during Tuesday. Major flooding has
already peaked in Canning Creek at Woodspring with major flood levels rising in
the Macintyre Brook at Inglewood Weir. Fast rises and moderate to major flooding
is expected downstream at Booba Sands overnight Tuesday and into Wednesday.

Minor to moderate flooding can be expected downstream along the lower Macintyre
River to the Goondiwindi area during the next few days.

Weather Forecast:
Mostly fine, just isolated showers and areas of light rain or drizzle in the far
northeast and east.

Next Issue:
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The next warning will be issued at 1pm Wednesday.

Latest River Heights:

Severn R at Ashford	0.9m steady	09:00 AM TUE 28/12/10
Macintyre R at Holdfast	0.99m steady	06:00 AM TUE 28/12/10
Dumaresq R at Farnbro *	2.77m falling	11:20 AM TUE 28/12/10
Pike Ck at Glenlyon Dam TW *	1.89m rising	11:20 AM TUE 28/12/10
Dumaresq R at Roseneath	1.98m rising	09:15 AM TUE 28/12/10
Beardy R at Haystack	1.05m steady	07:00 AM TUE 28/12/10
Dumaresq R at Bonshaw	3.37m steady	09:30 AM TUE 28/12/10
Dumaresq R at Texas *	1.86m steady	11:39 AM TUE 28/12/10
Dumaresq R at Glenarbon Weir *	0.88m steady	09:00 AM TUE 28/12/10
Macintyre Bk at Coolmunda Dam TW *	1.01m falling	11:35 AM TUE 28/12/10
Macintyre Bk at Inglewood Br *	8.34m falling	11:48 AM TUE 28/12/10
Dumaresq R at Bengalla *	1.46m steady	11:00 AM TUE 28/12/10
Macintyre R at New Kildonan *	2.54m falling	11:50 AM TUE 28/12/10
Macintyre R at Boggabilla	2.44m steady	08:00 AM TUE 28/12/10
Macintyre R at Goondiwindi *	2.98m steady	11:00 AM TUE 28/12/10
Callandoon Ck at Carana Weir *	2.1m steady	11:00 AM TUE 28/12/10
Callandoon Ck at Oonavale*	1.04m steady	08:20 AM TUE 28/12/10
Macintyre R at Terrewah	5.9m steady	09:15 AM TUE 28/12/10
Weir R at O'Connor *	14.48m falling	11:30 AM TUE 28/12/10
Weir R at Retreat Br *	9.38m rising	11:40 AM TUE 28/12/10
Weir R at Ballymena *	5.94m rising	11:40 AM TUE 28/12/10
Weir R at Gunn Br *	2.48m rising	11:40 AM TUE 28/12/10
Yarrill Ck at Medpark Br *	0.65m rising	11:00 AM TUE 28/12/10
Weir R at Giddi Giddi South *	2.57m falling	11:30 AM TUE 28/12/10
Weir R at Hartmann Br *	3.01m falling	11:10 AM TUE 28/12/10
Weir R at Surrey *	3.11m steady	08:00 AM TUE 28/12/10
Weir R at Talwood *	2.73m rising	10:30 AM TUE 28/12/10
Weir R at Jericho *	2.47m steady	11:00 AM TUE 28/12/10
Weir R at Mascot *	2.06m steady	05:00 AM TUE 28/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK
Issued at 1:06 PM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

The Weir River at O'Connor peaked at 14.57 metres at 7:40 am Tuesday which is
the second highest peak on record and similar to the 1956 flood. Major flooding
is occurring at Retreat Bridge and Ballymena. Moderate to major flooding will
extend downstream along the lower Weir River during next week.

Minor to moderate flooding continues along the Macintyre Brook. Minor flooding

is rising along the lower Macintyre River with higher levels and moderate flooding expected during Wednesday and Thursday.

WEIR RIVER:
Moderate flood levels are easing at O'Connor. Major flooding is occurring between Retreat Bridge and Ballymena with further rises expected. River rises and moderate to major flooding will develop downstream along the lower Weir River during next week. Minor flooding continues at Jericho.

MACINTYRE RIVER AND MACINTYRE BROOK:
Minor to moderate flooding is easing along the Macintyre Brook. Major flooding has already peaked at Booba Sands, with moderate flood levels easing during Wednesday afternoon. Fast rises and minor flooding is occurring downstream along the lower Macintyre River with further rises and moderate flood levels expected through to the Goondiwindi area during Wednesday and Thursday.

Weather Forecast:
Isolated showers developing over most parts this afternoon.

Next Issue:
The next warning will be issued at 1pm Thursday.

Latest River Heights:

Dumaresq R at Farnbro *	1.84m falling	11:30 AM WED 29/12/10
Dumaresq R at Roseneath	2.48m falling	12:30 PM WED 29/12/10
Dumaresq R at Beardy Junction	3.25m falling slowly	09:00 AM WED 29/12/10
Dumaresq R at Bonshaw	3.97m steady	12:30 PM WED 29/12/10
Dumaresq R at Texas *	3.66m rising	11:39 AM WED 29/12/10
Dumaresq R at Glenarbon Weir *	1.56m rising	12:30 PM WED 29/12/10
Macintyre Bk at Coolmunda Dam TW *	0.56m falling	11:35 AM WED 29/12/10
Macintyre Bk at Inglewood Br *	4.13m falling	11:48 AM WED 29/12/10
Dumaresq R at Bengalla *	5.8m rising	11:50 AM WED 29/12/10
Macintyre R at New Kildonan *	4.3m rising	11:50 AM WED 29/12/10
Macintyre R at Boggabilla	4.3m rising	01:00 PM WED 29/12/10
Macintyre R at Goondiwindi *	3.98m rising	11:40 AM WED 29/12/10
Callandoon Ck at Carana Weir *	2.14m rising	11:30 AM WED 29/12/10
Callandoon Ck at Oonavale*	1.22m steady	06:00 AM WED 29/12/10
Macintyre R at Terrewah	5.93m steady	12:00 PM WED 29/12/10
Weir R at O'Connor *	6.63m falling	11:30 AM WED 29/12/10
Weir R at Retreat Br *	12.34m rising	11:40 AM WED 29/12/10
Weir R at Ballymena *	9.68m rising	11:40 AM WED 29/12/10
Weir R at Gunn Br *	6.48m rising	11:40 AM WED 29/12/10
Yarrill Ck at Medpark Br *	3.67m falling	11:40 AM WED 29/12/10
Weir R at Giddi Giddi South *	2.18m falling	11:40 AM WED 29/12/10
Weir R at Hartmann Br *	2.5m falling	11:30 AM WED 29/12/10
Weir R at Surrey *	2.75m falling	11:50 AM WED 29/12/10
Weir R at Talwood	2.14m rising slowly	09:00 AM WED 29/12/10
Weir R at Talwood *	2.81m steady	08:00 AM WED 29/12/10
Weir R at Jericho *	2.44m steady	11:00 AM WED 29/12/10
Weir R at Mascot *	2.04m steady	08:00 AM WED 29/12/10

* denotes automatic station.

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 1:17 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring along the upper Weir River with the flood peak currently in the Ballymena to Gunn Bridge areas. Moderate to major flooding will develop downstream along the lower Weir River during this weekend and into next week.

Moderate flooding is occurring downstream along the lower Dumaresq and Macintyre Rivers through to the Goondiwindi area.

WEIR RIVER:
Minor flood levels are easing at O'Connor. Major flooding has peaked at Retreat Bridge, with major flood levels nearing a peak in the Ballymena to Gunn Bridge areas. Moderate to major flooding will develop downstream along the lower Weir River during this weekend and into next week. Minor flooding continues at Jericho.

MACINTYRE RIVER:
River levels have eased below minor along the Macintyre Brook.

Moderate flooding is occurring downstream along the lower Dumaresq and Macintyre Rivers through to the Goondiwindi area, with the flood peak currently in the Kildonan and Goondiwindi areas. Renewed rises and moderate to major flooding can be expected further downstream along the lower Macintyre River during the weekend and into next week.

Next Issue:
The next warning will be issued at 1pm Friday.

Latest River Heights:

Dumaresq R at Farnbro *	1.6m falling	10:30 AM THU 30/12/10
Dumaresq R at Roseneath	1.96m steady	09:15 AM THU 30/12/10
Dumaresq R at Bonshaw	3.61m steady	09:00 AM THU 30/12/10
Dumaresq R at Texas *	2.56m falling	11:39 AM THU 30/12/10
Dumaresq R at Glenarbon Weir *	1.63m steady	09:15 AM THU 30/12/10
Dumaresq R at Bengalla *	5.66m falling	11:50 AM THU 30/12/10
Macintyre R at New Kildonan *	5.93m falling	11:50 AM THU 30/12/10
Macintyre R at Boggabilla	6.95m rising	09:30 AM THU 30/12/10
Macintyre R at Goondiwindi *	6.8m rising	11:20 AM THU 30/12/10
Callandoon Ck at Carana Weir *	4.69m rising	11:20 AM THU 30/12/10
Callandoon Ck at Oonavale*	1.48m rising	06:20 AM THU 30/12/10
Macintyre R at Terrewah	5.97m steady	09:00 AM THU 30/12/10
Weir R at O'Connor *	2.86m steady	11:00 AM THU 30/12/10
Weir R at Retreat Br *	11.71m falling	11:40 AM THU 30/12/10
Weir R at Ballymena *	10.93m rising	11:30 AM THU 30/12/10
Weir R at Gunn Br *	7.46m rising	11:40 AM THU 30/12/10
Yarrill Ck at Medpark Br *	2.76m falling	02:40 AM THU 30/12/10
Weir R at Giddi Giddi South *	NA	

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Weir R at Hartmann Br *           2.23m rising   11:30 AM THU 30/12/10
Weir R at Surrey *                2.25m steady   12:00 PM THU 30/12/10
Weir R at Talwood *               2.65m falling  11:20 AM THU 30/12/10
Weir R at Jericho *               2.42m steady   11:00 AM THU 30/12/10
Weir R at Mascot *                2.02m steady   05:00 AM THU 30/12/10

* denotes automatic station.

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 10:11 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring along the upper Weir River with the flood peak
currently in the Gunn Bridge area. Moderate, possibly major, flooding will
develop downstream along the lower Weir River during this weekend and into next
week.

Minor flooding is occurring downstream along the lower Macintyre River in the
Goondiwindi area following a moderate flood peak recorded during Thursday.

WEIR RIVER:
Minor flooding is easing at Retreat Bridge. Major flood levels have peaked at
Ballymena with the flood peak approaching the Gunn Bridge area. Moderate,
possibly major, flooding will develop downstream along the lower Weir River
during this weekend and into next week. Minor flooding continues at Jericho.

MACINTYRE RIVER:
Minor flooding is occurring downstream along the lower Macintyre River through
to the Goondiwindi area. A moderate flood peak of about 6.9 metres was recorded
at Goondiwindi at 5pm Thursday. Renewed rises and moderate to major flooding can
be expected further downstream along the lower Macintyre River during the
weekend and into next week.

Next Issue:
The next warning will be issued at 1pm Saturday.

Latest River Heights:
Macintyre R at New Kildonan *   4.10m falling  08:40 AM FRI 31/12/10
Macintyre R at Boggabilla       5.58m falling  09:30 AM FRI 31/12/10
Macintyre R at Goondiwindi *    6.10m falling  08:20 AM FRI 31/12/10
Callandoon Ck at Carana Weir *  5.04m steady   08:00 AM FRI 31/12/10
Callandoon Ck at Oonavale*      6.04m rising   06:00 AM FRI 31/12/10
Macintyre R at Terrewah         6.25m steady   09:00 AM FRI 31/12/10

Weir R at O'Connor *            2.39m steady   08:00 AM FRI 31/12/10
Weir R at Retreat Br *          6.28m falling  08:20 AM FRI 31/12/10
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Weir R at Ballymena *          10.84m falling  08:00 AM FRI 31/12/10
Weir R at Gunn Br *             7.61m falling  08:10 AM FRI 31/12/10
Weir R at Hartmann Br *         2.74m rising   08:10 AM FRI 31/12/10
Weir R at Surrey *              2.12m steady   08:00 AM FRI 31/12/10
Weir R at Talwood *             2.28m falling  08:00 AM FRI 31/12/10
Weir R at Jericho *             2.38m steady   08:00 AM FRI 31/12/10
Weir R at Mascot *              1.99m steady   05:00 AM FRI 31/12/10

* from automatic station


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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 12:07 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding has peaked in the upper Weir River in the Gunn Bridge area.
Moderate to major flooding will develop downstream along the lower Weir River
during the coming week.

Minor flooding is easing downstream along the lower Macintyre River in the
Goondiwindi area.

WEIR RIVER:
Minor flooding is easing at Ballymena.  Major flood levels have peaked at Gunn
Bridge. Moderate to major flooding will develop downstream along the lower Weir
River during the coming week, with a major flood peak to about 5 metres expected
at Talwood around Thursday 6/1.  Forecast heights for Talwood will be updated as
upstream peaks are observed.

MACINTYRE RIVER:
Minor flooding is easing in the lower Macintyre River in the Goondiwindi area.
Renewed rises and moderate to major flooding can be expected further downstream
along the lower Macintyre River during the weekend and into next week.

Next Issue:
The next warning will be issued at 1pm Sunday.

Latest River Heights:
Dumaresq R at Glenarbon Weir *     1.03m steady   09:30 AM SAT 01/01/11
Dumaresq R at Bengalla *           2.46m rising   08:40 AM SAT 01/01/11
Macintyre R at New Kildonan *      3.15m rising   08:10 AM SAT 01/01/11
Macintyre R at Boggabilla          3.67m rising   09:30 AM SAT 01/01/11
Macintyre R at Goondiwindi *       4.07m steady   11:10 AM SAT 01/01/11
Callandoon Ck at Carana Weir *     3.34m falling  11:30 AM SAT 01/01/11
Callandoon Ck at Oonavale*         6.18m falling  06:10 AM SAT 01/01/11
Macintyre R at Terrewah            6.48m steady   09:30 AM SAT 01/01/11
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Weir R at O'Connor *               2.03m falling  11:30 AM SAT 01/01/11
Weir R at Retreat Br *             2.41m falling  11:30 AM SAT 01/01/11
Weir R at Ballymena *              6.7m falling   11:40 AM SAT 01/01/11
Weir R at Gunn Br *                7.37m falling  08:10 AM SAT 01/01/11
Weir R at Giddi Giddi South *      NA
Weir R at Hartmann Br *            4.01m rising   11:00 AM SAT 01/01/11
Weir R at Surrey *                 2.56m rising   08:40 AM SAT 01/01/11
Weir R at Talwood *                1.97m falling  08:00 AM SAT 01/01/11
Weir R at Jericho *                2.29m falling  11:00 AM SAT 01/01/11
Weir R at Mascot *                 1.97m falling  05:00 AM SAT 01/01/11

* denotes automatic station.

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 4:10 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding has peaked in the upper Weir River in the Gunn Bridge area.
Moderate to major flooding will develop downstream along the lower Weir River
during the coming week.

Minor flooding is easing downstream along the lower Macintyre River in the
Goondiwindi area.

WEIR RIVER:
Minor flooding is easing at Ballymena.  Major flood levels have peaked at Gunn
Bridge. Moderate to major flooding will develop downstream along the lower Weir
River during the coming week with a major flood peak expected at Talwood late
next week.

MACINTYRE RIVER:
Minor flooding is easing in the lower Macintyre River in the Goondiwindi area.
Renewed rises and moderate to major flooding can be expected further downstream
along the lower Macintyre River during the weekend and into next week.

Predicted River Heights/Flows:
Weir River:

Talwood Automatic - Reach 4.8 to 5 metres (major) Thu/Fri next week
Talwood Manual    - Reach 4 metres (major) Thu/Fri next week

Forecast heights for Talwood will be updated as upstream peaks are observed.

Next Issue:
The next warning will be issued at 1pm Sunday.
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Latest River Heights:

Dumaresq R at Bengalla *	2.29m	falling	02:20 PM	SAT 01/01/11
Macintyre R at New Kildonan *	3.02m	falling	02:50 PM	SAT 01/01/11
Macintyre R at Boggabilla	3.46m	falling	03:30 PM	SAT 01/01/11
Macintyre R at Goondiwindi *	4.03m	falling	02:20 PM	SAT 01/01/11
Callandoon Ck at Carana Weir *	3.02m	falling	02:40 PM	SAT 01/01/11
Callandoon Ck at Oonavale*	6.18m	falling	06:10 AM	SAT 01/01/11
Macintyre R at Terrewah	6.48m	steady	09:30 AM	SAT 01/01/11
Weir R at O'Connor *	2m	falling	02:10 PM	SAT 01/01/11
Weir R at Retreat Br *	2.32m	falling	02:30 PM	SAT 01/01/11
Weir R at Ballymena *	5.99m	falling	02:40 PM	SAT 01/01/11
Weir R at Gunn Br *	7.14m	falling	02:40 PM	SAT 01/01/11
Weir R at Hartmann Br *	4.07m	rising	02:10 PM	SAT 01/01/11
Weir R at Surrey *	2.79m	rising	02:50 PM	SAT 01/01/11
Weir R at Talwood	NA			
Weir R at Talwood *	1.98m	rising	02:30 PM	SAT 01/01/11
Weir R at Jericho *	2.27m	steady	02:40 PM	SAT 01/01/11
Weir R at Mascot *	1.97m	steady	02:00 PM	SAT 01/01/11

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public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND LOWER MACINTYRE RIVERS
Issued at 1:04 PM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding has peaked in the upper Weir River in the Gunn Bridge area.
Moderate to major flooding will develop downstream along the lower Weir River
during the coming week.

Moderate to major flooding will extend downstream from Goondiwindi along the
lower Macintyre River during this week.

WEIR RIVER:
Moderate flooding is rising in the Weir River at Giddi Giddi. Moderate to major
flooding will develop downstream along the lower Weir River during this week
with a major flood peak expected at Talwood later in the week.

LOWER MACINTYRE RIVER:
River levels have eased below minor in the lower Macintyre River in the
Goondiwindi area. Renewed rises and moderate to major flooding can be expected
further downstream from Goondiwindi during the remainder of this week.

Predicted River Heights/Flows:

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Weir River:

Talwood Automatic     Reach 4.8 to 5 metres (major) Thu/Fri this week.
Talwood Manual        Reach 4 metres (major) Thu/Fri this week.

Forecast heights for Talwood will be updated as upstream peaks are observed.

Weather Forecast:
Isolated thunderstorms in the afternoon and evening.

Next Issue:
The next warning will be issued at 1pm Monday.

Latest River Heights:
Dumaresq R at Glenarbon Weir *     0.88m steady  12:00 PM SUN 02/01/11
Dumaresq R at Bengalla *           1.83m steady  11:10 AM SUN 02/01/11
Macintyre R at New Kildonan *      2.72m rising  11:50 AM SUN 02/01/11
Macintyre R at Boggabilla          2.87m falling 12:15 PM SUN 02/01/11
Macintyre R at Goondiwindi *       3.49m falling 11:40 AM SUN 02/01/11
Callandoon Ck at Carana Weir *     2.47m steady  11:00 AM SUN 02/01/11
Callandoon Ck at Oonavale*         6.11m falling 05:40 AM SUN 02/01/11
Macintyre R at Terrewah            NA

Weir R at O'Connor *               1.89m steady  11:00 AM SUN 02/01/11
Weir R at Retreat Br *             2.01m falling 11:30 AM SUN 02/01/11
Weir R at Ballymena *              2.49m falling 11:30 AM SUN 02/01/11
Weir R at Gunn Br *                4.09m falling 11:40 AM SUN 02/01/11
Weir R at Giddi Giddi South *      5.32m steady  11:40 AM SUN 02/01/11
Weir R at Hartmann Br *            4.43m rising  11:30 AM SUN 02/01/11
Weir R at Surrey *                 3.65m rising  11:40 AM SUN 02/01/11
Weir R at Talwood                  1.65m steady  11:00 AM SUN 02/01/11
Weir R at Talwood *                2.35m rising  11:20 AM SUN 02/01/11
Weir R at Jericho *                2.15m falling 11:00 AM SUN 02/01/11
Weir R at Mascot *                 1.96m steady  06:00 AM SUN 02/01/11

* denotes automatic station.

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR RIVER
Issued at 12:16 PM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is expected to develop downstream along the lower
Weir River during this week.

Moderate flooding is rising slowly in the Weir River at Giddi Giddi. Moderate to
major flooding will develop downstream during this week with a major flood peak
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expected at Talwood during Friday or Saturday.

Overnight rainfalls have produced renewed rises and minor flood levels in the upper Weir River in the O'Connor area.

Predicted River Heights/Flows:
Weir River:

Talwood Manual Peak around 4 metres (major) Fri/Sat.

Forecast heights for Talwood will be updated as upstream peaks are observed.

Weather Forecast:
Isolated showers, becoming scattered in the afternoon with isolated thunderstorms.

Next Issue:
The next warning will be issued at 1pm Tuesday.

Latest River Heights:

Severn R at Ashford	0.94m steady	09:30 AM MON	03/01/11
Macintyre R at Holdfast	0.71m steady	10:00 AM MON	03/01/11
Dumaresq R at Farnbro *	1.38m steady	08:00 AM MON	03/01/11
Pike Ck at Glenlyon Dam TW *	1m steady	08:10 AM MON	03/01/11
Dumaresq R at Roseneath	1.25m steady	09:00 AM MON	03/01/11
Beardy R at Haystack	0.83m steady	01:00 PM SUN	02/01/11
Dumaresq R at Beardy Junction	NA		
Dumaresq R at Bonshaw	3.24m steady	08:00 AM MON	03/01/11
Dumaresq R at Texas *	1.86m steady	08:19 AM MON	03/01/11
Dumaresq R at Glenarbon Weir *	0.85m steady	09:30 AM MON	03/01/11
Macintyre Bk at Coolmunda Dam TW *	-0.14m steady	08:15 AM MON	03/01/11
Macintyre Bk at Inglewood Br *	2.28m falling	08:29 AM MON	03/01/11
Dumaresq R at Bengalla *	1.57m steady	08:00 AM MON	03/01/11
Macintyre R at New Kildonan *	2.53m rising	08:40 AM MON	03/01/11
Macintyre R at Boggabilla	2.38m falling	09:30 AM MON	03/01/11
Macintyre R at Goondiwindi *	3.06m falling	08:10 AM MON	03/01/11
Callandoon Ck at Carana Weir *	2.27m steady	08:00 AM MON	03/01/11
Callandoon Ck at Oonavale*	4.66m falling	08:20 AM MON	03/01/11
Macintyre R at Terrewah	NA		
Weir R at O'Connor *	4.04m rising	08:10 AM MON	03/01/11
Weir R at Retreat Br *	1.79m steady	08:00 AM MON	03/01/11
Weir R at Ballymena *	2.04m falling	08:10 AM MON	03/01/11
Weir R at Gunn Br *	1.78m falling	08:20 AM MON	03/01/11
Yarrill Ck at Medpark Br *	NA		
Weir R at Giddi Giddi South *	5.66m rising	08:10 AM MON	03/01/11
Weir R at Hartmann Br *	4.8m rising	08:10 AM MON	03/01/11
Weir R at Surrey *	4.64m rising	08:40 AM MON	03/01/11
Weir R at Talwood	2.2m rising	09:00 AM MON	03/01/11
Weir R at Talwood *	2.86m steady	08:00 AM MON	03/01/11
Weir R at Jericho *	2.09m steady	08:00 AM MON	03/01/11
Weir R at Mascot *	1.92m steady	06:00 AM MON	03/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR RIVER
Issued at 11:28 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is expected to develop downstream along the lower Weir River during this week.

Moderate flooding has peaked in the Weir River at Giddi Giddi. Moderate to major flooding will develop downstream during this week with a major flood peak expected at Talwood during Friday or Saturday. At 9am Tuesday the river level at Talwood (manual) was 2.7 metres and rising.

Recent rainfalls have produced renewed rises in the upper Weir River but are not expected to effect levels in the lower Weir River downstream to the Jericho area.

Predicted River Heights/Flows:
Weir River:

Talwood (Manual) Peak around 4 metres (major) Fri/Sat.

Forecast heights for Talwood will be updated as upstream peaks are observed.

Weather Forecast:
Isolated afternoon or evening showers and thunderstorms.

Next Issue:
The next warning will be issued at 1pm Wednesday.

Latest River Heights:

Weir R at O'Connor *	2.33m	falling	08:10 AM TUE 04/01/11
Weir R at Retreat Br *	3.66m	rising	08:20 AM TUE 04/01/11
Weir R at Ballymena *	1.96m	rising	08:20 AM TUE 04/01/11
Weir R at Gunn Br *	1.32m	steady	08:00 AM TUE 04/01/11
Weir R at Giddi Giddi South *	5.41m	steady	08:20 AM TUE 04/01/11
Weir R at Hartmann Br *	5.08m	rising	08:00 AM TUE 04/01/11
Weir R at Surrey *	5.41m	rising	08:20 AM TUE 04/01/11
Weir R at Talwood (manual)	2.70m	rising	09:00 AM TUE 04/01/11
Weir R at Talwood * (auto)	3.37m	rising	08:00 AM TUE 04/01/11
Weir R at Jericho *	2.14m	steady	08:00 AM TUE 04/01/11
Weir R at Mascot *	1.89m	steady	06:00 AM TUE 04/01/11

* from automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR RIVER
Issued at 11:48 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is being recorded along the lower Weir River between Giddi Giddi South and Surrey. Minor flooding continues to rise downstream between Talwood and Jericho.

Major flooding is peaking in the Weir River at Surrey. Moderate to major flooding will develop downstream during this week. A peak is expected at Talwood of up to 4 metres (major) late Friday. At 9am Wednesday the river level at Talwood (manual) was 3.1 metres and rising.

Predicted River Heights/Flows:
Weir River:

Talwood (Manual) Peak up to 4 metres (major) late Friday.

Forecast heights for Talwood will be updated as upstream peaks are observed.

Weather Forecast:
Isolated showers and local thunder, increasing to scattered showers and thunderstorms in the afternoon. Rain areas developing by evening with some moderate to heavy falls possible.

Next Issue:
The next warning will be issued at 1pm Thursday.

Latest River Heights:

Weir R at O'Connor *	2.17m rising	08:20 PM TUE 04/01/11
Weir R at Retreat Br *	3.37m falling	11:40 PM TUE 04/01/11
Weir R at Ballymena *	3.69m falling	08:20 AM WED 05/01/11
Weir R at Gunn Br *	2.6m rising	08:10 AM WED 05/01/11
Yarrill Ck at Medpark Br *	2.33m rising	07:00 PM TUE 04/01/11
Weir R at Hartmann Br *	5.07m steady	05:00 PM TUE 04/01/11
Weir R at Surrey *	5.59m falling	08:40 AM WED 05/01/11
Weir R at Talwood	3.1m rising	09:00 AM WED 05/01/11
Weir R at Talwood *	3.73m rising	05:50 AM WED 05/01/11
Weir R at Jericho *	2.28m steady	06:00 AM WED 05/01/11
Weir R at Mascot *	1.88m steady	08:00 AM WED 05/01/11

* from automatic station

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 1:44 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding remains near a peak in the lower Weir River at Surrey. Minor flooding continues to rise downstream between Talwood and Jericho.

Recent rainfalls have resulted in renewed river rises and some localised minor flooding in the Macintyre Brook. Rises and some minor flooding are also likely along the lower Macintyre River between New Kildonan and Goondiwindi.

WEIR RIVER:

Major flooding remains near the peak in the Weir River at Surrey. Moderate to major flooding will develop downstream during this week, where a peak is expected at Talwood of up to 4 metres (major) late Friday. At 9pm Wednesday the river level at Talwood (manual) was 3.27 metres and rising.

MACINTYRE RIVER:

Recent rainfall of 20-35mm recorded during Wednesday afternoon has resulted in some localised fast rises along the Macintyre Brook with minor flooding rising at Woodspring. River rises are also occurring in the Dumaresq River in the Glenarbon Weir area, and along the Severn River. Minor flooding is occurring in Broadwater Creek in the Stanthorpe area.

Moderate rainfalls of 40-70mm have also been recorded in the Inverell (NSW) area situated in the upper Macintyre River.

Renewed river rises are occurring in the lower Macintyre River in the Kildonan area, with some minor flooding likely to develop going into the weekend between New Kildonan and Goondiwindi.

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual) Peak up to 4 metres (major) late Friday.

Forecast heights for Talwood will be updated as upstream peaks are observed.

MACINTYRE RIVER:

Goondiwindi Minor flooding to develop going into the weekend between New Kildonan and Goondiwindi.

Next Issue:
The next warning will be issued at 1pm Thursday.

Latest River Heights:

Severn R at Ashford	0.8m steady	09:00 PM WED 05/01/11
Macintyre R at Holdfast	0.84m steady	12:00 AM THU 06/01/11
Dumaresq R at Roseneath	1.71m steady	08:00 PM WED 05/01/11
Beardy R at Haystack	1.45m steady	10:23 PM WED 05/01/11
Dumaresq R at Bonshaw	3.49m steady	08:00 PM WED 05/01/11
Dumaresq R at Texas *	2.16m steady	08:39 PM WED 05/01/11
Dumaresq R at Glenarbon Weir *	1.23m steady	09:30 PM WED 05/01/11

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Macintyre Bk at Coolmunda Dam TW * 0.17m falling 11:35 PM WED 05/01/11
Macintyre Bk at Inglewood Br *     3.89m rising  11:48 PM WED 05/01/11
Dumaresq R at Bengalla *           2.52m rising  11:20 PM WED 05/01/11
Macintyre R at New Kildonan *      2.73m falling 11:40 PM WED 05/01/11
Macintyre R at Boggabilla          2.28m steady  09:30 PM WED 05/01/11
Macintyre R at Goondiwindi *       2.54m steady  06:00 AM WED 05/01/11
Callandoon Ck at Carana Weir *     2.04m steady  06:00 AM WED 05/01/11

Weir R at Ballymena *              3.64m falling 02:50 PM WED 05/01/11
Weir R at Gunn Br *                2.85m falling 11:40 PM WED 05/01/11
Yarrill Ck at Medpark Br *         2.06m falling 12:40 PM WED 05/01/11
Weir R at Hartmann Br *            4.72m steady  11:30 PM WED 05/01/11
Weir R at Surrey *                 5.6m steady   11:00 PM WED 05/01/11
Weir R at Talwood                  3.27m rising  09:00 PM WED 05/01/11
Weir R at Talwood *                3.99m rising  11:30 PM WED 05/01/11
Weir R at Jericho *                2.28m steady  06:00 AM WED 05/01/11
Weir R at Mascot *                 1.88m steady  08:00 AM WED 05/01/11

* denotes automatic station.

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 11:42 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the lower Weir River at Surrey, where river levels
are now peaking.  Minor flooding continues to rise downstream between Talwood
and Jericho.

Rainfall during Wednesday has resulted in renewed river rises and some localised
minor to moderate flooding in Macintyre Brook.  River rises and minor to
possibly moderate flooding expected to develop along the lower Macintyre River
between New Kildonan and Goondiwindi into the weekend.

WEIR RIVER:

Major flooding is now peaking in the Weir River at Surrey. Moderate to major
flooding will develop downstream during Friday, where a peak is expected at
Talwood of up to 4 metres (major) late Friday. At 9pm Thursday the river level
at Talwood (manual) was 3.43 metres and rising.

MACINTYRE RIVER:

24-hour rainfalls to 9am Thursday of between 40 to 60mm over Macintyre Brook has
resulted in some localised fast rises and moderate flooding nearing a peak at
Woodspring. River rises have also occurred in the Dumaresq River in the
Glenarbon Weir area, and along the Severn River. Minor flooding is also
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occurring in Broadwater Creek in the Stanthorpe area.

Moderate rainfalls of 40-70mm have also been recorded in the Inverell (NSW) area situated in the upper Macintyre River.

Renewed river rises are occurring in the lower Macintyre River in the Kildonan area, with some minor to possibly moderate flooding expected to develop into the weekend between New Kildonan and Goondiwindi.

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual) Peak up to 4 metres (major) late Friday.

MACINTYRE RIVER:

Goondiwindi Minor flooding to develop into the weekend between New Kildonan and Goondiwindi.

Next Issue:
The next warning will be issued at 1pm Friday.

Latest River Heights:

Severn R at Ashford	1.04m	steady	09:30 AM THU 06/01/11
Macintyre R at Holdfast	0.89m	steady	10:00 AM THU 06/01/11
Dumaresq R at Farnbro *	1.77m	rising	09:10 AM THU 06/01/11
Pike Ck at Glenlyon Dam TW *	1.45m	rising	08:00 AM THU 06/01/11
Dumaresq R at Roseneath	1.88m	rising	09:15 AM THU 06/01/11
Beardy R at Haystack	2.44m	rising	07:45 AM THU 06/01/11
Dumaresq R at Beardy Junction	3.05m	rising	11:00 AM THU 06/01/11
Dumaresq R at Bonshaw	3.66m	rising	09:30 AM THU 06/01/11
Dumaresq R at Texas *	2.26m	steady	08:19 AM THU 06/01/11
Dumaresq R at Glenarbon Weir *	1.24m	steady	06:30 AM THU 06/01/11
Macintyre Bk at Coolmunda Dam TW *	0.62m	rising	08:15 AM THU 06/01/11
Macintyre Bk at Inglewood Br *	4.19m	rising	08:29 AM THU 06/01/11
Dumaresq R at Bengalla *	2.83m	rising	08:30 AM THU 06/01/11
Macintyre R at New Kildonan *	3.05m	rising	08:40 AM THU 06/01/11
Macintyre R at Boggabilla	2.94m	rising	09:45 AM THU 06/01/11
Macintyre R at Goondiwindi *	3.13m	rising	06:00 AM THU 06/01/11
Callandoon Ck at Carana Weir *	2.04m	steady	06:00 AM THU 06/01/11
Callandoon Ck at Oonavale*	1.3m	steady	09:00 AM THU 06/01/11
Weir R at O'Connor *	3.63m	rising	08:10 AM THU 06/01/11
Weir R at Retreat Br *	2.39m	rising	08:10 AM THU 06/01/11
Weir R at Ballymena *	2.66m	steady	08:10 AM THU 06/01/11
Weir R at Gunn Br *	2.45m	falling	08:20 AM THU 06/01/11
Yarrill Ck at Medpark Br *	2.06m	falling	12:40 PM WED 05/01/11
Weir R at Hartmann Br *	4.56m	falling	08:10 AM THU 06/01/11
Weir R at Surrey *	5.55m	steady	08:00 AM THU 06/01/11
Weir R at Talwood	3.43m	rising	09:00 AM THU 06/01/11
Weir R at Talwood *	4.1m	rising	08:00 AM THU 06/01/11
Weir R at Jericho *	2.49m	steady	06:10 AM THU 06/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 4:17 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues in the lower Weir River at Surrey, where river levels are now peaking. Minor flooding continues to rise downstream between Talwood and Jericho.

Rainfall during Thursday has resulted in renewed river rises and minor to moderate flood levels in the Macintyre Brook Catchment. Major flood levels are possible at Inglewood Bridge during Friday. River rises and moderate flooding are expected to develop along the lower Macintyre River between New Kildonan and Goondiwindi into the weekend.

WEIR RIVER:

Major flooding is now peaking in the Weir River at Surrey. Moderate to major flooding will develop downstream during Friday, where a peak is expected at Talwood of up to 4 metres (major) late Friday. At 9pm Thursday the river level at Talwood (manual) was 3.43 metres and rising.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Heavy rainfall has continued in the Macintyre Brook area during Thursday with 82mm recorded at Barongarook since 9am. Moderate flooding continues at Woodspring. Minor flood levels are occurring at Terraine and Barongarook with moderate flood levels possible this evening. At Inglewood Bridge, at least moderate flood levels are likely during Friday. Major flood levels of above 9 metres are possible. Further predictions will be made once upstream peaks have been observed.

Dumaresq River:
River rises have also occurred in the Dumaresq River in the Glenarbon Weir area, and along the Severn River. Minor flooding is also occurring in Broadwater Creek in the Stanthorpe area.

Lower Macintyre River:
Renewed river rises are occurring in the lower Macintyre River in the Kildonan area, with moderate flooding expected to develop into the weekend between New Kildonan and Goondiwindi. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual) Peak up to 4 metres (major) late Friday.

MACINTYRE RIVER:

Inglewood Bridge Moderate flood levels of above 8 metres likely during Friday with major flood levels possible.

Goondiwindi Moderate flood levels during the
weekend. Further predictions will be made once upstream
peaks have been observed.

Next Issue:
The next warning will be issued at 9pm Thursday.

Latest River Heights:

Severn R at Ashford	1.14m	steady	12:30 PM THU 06/01/11
Macintyre R at Holdfast	0.91m	steady	02:00 PM THU 06/01/11
Dumaresq R at Farnbro *	1.77m	rising	09:10 AM THU 06/01/11
Pike Ck at Glenlyon Dam TW *	1.79m	rising	02:30 PM THU 06/01/11
Dumaresq R at Roseneath	2.38m	rising	12:15 PM THU 06/01/11
Beardy R at Haystack	3.06m	rising	01:00 PM THU 06/01/11
Dumaresq R at Beardy Junction	3.05m	rising	11:00 AM THU 06/01/11
Dumaresq R at Bonshaw	3.76m	steady	12:15 PM THU 06/01/11
Dumaresq R at Texas *	3.01m	steady	02:39 PM THU 06/01/11
Dumaresq R at Glenarbon Weir *	1.29m	steady	12:15 PM THU 06/01/11
Macintyre Bk at Coolmunda Dam TW *	0.96m	rising	02:35 PM THU 06/01/11
Macintyre Bk at Inglewood Br *	4.85m	rising	02:50 PM THU 06/01/11
Dumaresq R at Bengalla *	3.01m	rising	02:40 PM THU 06/01/11
Macintyre R at New Kildonan *	3.16m	falling	02:50 PM THU 06/01/11
Macintyre R at Boggabilla	3.08m	rising	12:30 PM THU 06/01/11
Macintyre R at Goondiwindi *	3.58m	rising	02:40 PM THU 06/01/11
Callandoon Ck at Carana Weir *	2.04m	steady	06:00 AM THU 06/01/11
Callandoon Ck at Oonavale*	1.3m	steady	09:00 AM THU 06/01/11
Weir R at O'Connor *	4.28m	rising	02:20 PM THU 06/01/11
Weir R at Retreat Br *	2.78m	rising	02:40 PM THU 06/01/11
Weir R at Ballymena *	2.44m	falling	02:10 PM THU 06/01/11
Weir R at Gunn Br *	2.11m	falling	02:30 PM THU 06/01/11
Weir R at Hartmann Br *	4.43m	falling	02:40 PM THU 06/01/11
Weir R at Surrey *	5.52m	steady	02:00 PM THU 06/01/11
Weir R at Talwood	3.43m	rising	09:00 AM THU 06/01/11
Weir R at Talwood *	4.18m	rising	02:40 PM THU 06/01/11
Weir R at Jericho *	2.49m	steady	06:10 AM THU 06/01/11

*automatic station

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public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 8:58 PM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the lower Weir River between Hartman Bridge and Jericho, with the flood peak currently downstream of Surrey.

Rainfall during Thursday has resulted in renewed rises and minor to moderate flooding along the Macintyre Brook Catchment. Major flood levels are possible at Inglewood Bridge during Friday. River rises and moderate flooding are expected to develop along the lower Macintyre River between New Kildonan and Goondiwindi going into the weekend.

WEIR RIVER:

Moderate flooding continues to slowly ease in the Weir River at Surrey. Moderate to major flooding will develop downstream during Friday, where a peak is expected at Talwood of up to 4 metres (major) overnight Friday. At 9am Thursday the river level at Talwood (manual) was 3.43 metres and rising.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor to moderate flooding continues along the Macintyre Brook. At Inglewood Bridge, at least moderate flood levels are likely during Friday, with further rises and major flood levels above 9 metres possible. Further predictions will be made once upstream peaks have been observed.

Dumaresq River:
River rises are continuing along the Dumaresq and Severn Rivers, with minor flooding occurring at Ballandean. Minor flooding is also occurring in Broadwater and Quart Pot Creeks in the Stanthorpe area.

Lower Macintyre River:
River rises are occurring along the upper Macintyre River in NSW, and also along the lower Macintyre River downstream from Bengalla. Minor flooding continues to rise in the Kildonan area, with with further rises and moderate flooding expected to develop into the weekend between New Kildonan and Goondiwindi. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual)	Peak up to 4 metres (major) late Friday.

MACINTYRE RIVER:

Inglewood Bridge	Exceed 8.0 metres (moderate) during Friday, with higher levels and major flooding possible.
Goondiwindi	Moderate flooding expected during the weekend.

Further predictions will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued at 9am Friday.

Latest River Heights:

Severn R at Ashford	1.38m	rising	06:30 PM THU 06/01/11
Macintyre R at Holdfast	0.92m	steady	08:00 PM THU 06/01/11
Pike Ck at Glenlyon Dam TW *	1.98m	rising	08:30 PM THU 06/01/11
Dumaresq R at Roseneath	3.47m	rising	06:15 PM THU 06/01/11

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Beardy R at Haystack                2.71m falling 07:15 PM THU 06/01/11
Dumaresq R at Beardy Junction       4.35m rising  07:00 PM THU 06/01/11
Dumaresq R at Bonshaw               4.04m rising  06:30 PM THU 06/01/11
Dumaresq R at Texas *               3.41m steady  08:39 PM THU 06/01/11
Dumaresq R at Glenarbon Weir *      1.55m rising  06:30 PM THU 06/01/11
Macintyre Bk at Coolmunda Dam TW *  3.62m rising  08:34 PM THU 06/01/11
Macintyre Bk at Inglewood Br *      6.79m rising  08:49 PM THU 06/01/11
Dumaresq R at Bengalla *            3.39m rising  05:40 PM THU 06/01/11
Macintyre R at New Kildonan *       3.25m rising  05:50 PM THU 06/01/11
Macintyre R at Boggabilla           3.37m rising  06:30 PM THU 06/01/11
Macintyre R at Goondiwindi *        3.85m rising  08:40 PM THU 06/01/11

Weir R at O'Connor *                4.69m rising  08:30 PM THU 06/01/11
Weir R at Retreat Br *              3.71m rising  08:40 PM THU 06/01/11
Weir R at Ballymena *               2.43m rising  08:40 PM THU 06/01/11
Weir R at Gunn Br *                 1.83m falling 08:40 PM THU 06/01/11
Weir R at Hartmann Br *             4.33m steady  08:40 PM THU 06/01/11
Weir R at Surrey *                  5.49m steady  05:10 PM THU 06/01/11
Weir R at Talwood                   3.43m rising  09:00 AM THU 06/01/11
Weir R at Talwood *                 4.23m steady  08:00 PM THU 06/01/11
Weir R at Jericho *                 2.49m steady  06:10 AM THU 06/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 6:22 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the lower Weir River between Hartman
Bridge and Jericho, with the flood peak currently downstream of Surrey.

Rainfall during Thursday has resulted in rises and minor to major flooding in
the Macintyre Brook Catchment. Major flood levels are possible at Inglewood
Bridge during Friday. River rises and moderate to major flooding are forecast
along the lower Macintyre River between New Kildonan and Goondiwindi during the
weekend.

WEIR RIVER:

Moderate flooding continues to slowly ease in the Weir River at Surrey. Moderate
to major flooding will develop downstream during Friday, where a peak is
expected at Talwood of up to 4 metres (major) overnight Friday. At 9am Thursday
the river level at Talwood (manual) was 3.43 metres and rising.


MACINTYRE RIVER CATCHMENT:
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Macintyre Brook:
Major to moderate flooding continues along the Macintyre Brook. Major flood levels are rising at Woodspring. At Inglewood Bridge, moderate flood levels of above 9 metres are occurring with further rises possible today as brook levels at Woodspring continue to rise.

Dumaresq River:
River rises are continuing along the Dumaresq and Severn Rivers, with minor flooding occurring at Ballandean. Moderate flood levels are possible at Roseneath during today as Glenlyon Dam continues to discharge. Moderate flood levels of 7 metres are likely at Texas late today or overnight. Levels of at least 4 metres are expected at Glenarbon Weir on Saturday.

Lower Macintyre River:
River rises are occurring along the upper Macintyre River in NSW. Along the lower Macintyre, moderate flood levels are expected in the Kildonan area today with rises to between 10 and 11 metres likely over the weekend. At Goondiwindi, major flood levels of above 9 metres are expected with a peak likely early on Sunday. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual) Peak up to 4 metres (major) late Friday.

MACINTYRE RIVER:

Goondiwindi Major flood levels above 9 metres expected during the weekend.

Further predictions will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued at noon Friday.

Latest River Heights:

Severn R at Ashford	1.41m	steady	03:30 AM FRI 07/01/11
Macintyre R at Holdfast	0.97m	steady	05:30 AM FRI 07/01/11
Dumaresq R at Farnbro *	1.77m	rising	09:10 AM THU 06/01/11
Pike Ck at Glenlyon Dam TW *	2.19m	rising	02:30 AM FRI 07/01/11
Dumaresq R at Roseneath	5.99m	rising	03:45 AM FRI 07/01/11
Beardy R at Haystack	2.31m	steady	04:15 AM FRI 07/01/11
Dumaresq R at Beardy Junction	4.45m	rising	09:00 PM THU 06/01/11
Dumaresq R at Bonshaw	4.68m	rising	03:30 AM FRI 07/01/11
Dumaresq R at Texas *	4.16m	rising	02:40 AM FRI 07/01/11
Dumaresq R at Glenarbon Weir *	2.12m	rising	01:00 AM FRI 07/01/11
Macintyre Bk at Coolmunda Dam TW *	2.52m	falling	02:35 AM FRI 07/01/11
Macintyre Bk at Inglewood Br *	9.06m	rising	02:49 AM FRI 07/01/11
Dumaresq R at Bengalla *	5.06m	rising	02:50 AM FRI 07/01/11
Macintyre R at New Kildonan *	3.86m	rising	02:50 AM FRI 07/01/11
Macintyre R at Boggabilla	4.03m	rising	03:30 AM FRI 07/01/11
Macintyre R at Goondiwindi *	4.19m	rising	02:40 AM FRI 07/01/11
Callandoon Ck at Carana Weir *	2.04m	steady	06:00 AM THU 06/01/11
Callandoon Ck at Oonavale*	1.3m	steady	09:00 AM THU 06/01/11
Weir R at O'Connor *	5.13m	rising	02:20 AM FRI 07/01/11
Weir R at Retreat Br *	4.33m	rising	02:30 AM FRI 07/01/11
Weir R at Ballymena *	2.68m	rising	02:40 AM FRI 07/01/11
Weir R at Gunn Br *	1.68m	falling	02:10 AM FRI 07/01/11

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Weir R at Hartmann Br *            4.23m falling 02:10 AM FRI 07/01/11
Weir R at Surrey *                 5.38m falling 02:50 AM FRI 07/01/11
Weir R at Talwood                  3.55m rising  09:00 PM THU 06/01/11
Weir R at Talwood *                4.28m rising  02:00 AM FRI 07/01/11
Weir R at Jericho *                2.62m rising  10:30 PM THU 06/01/11
Weir R at Mascot *                 1.95m steady  02:00 AM FRI 07/01/11

*automatic station


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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 12:36 PM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the lower Weir River between Hartman
Bridge and Jericho, with the flood peak currently downstream of Surrey. Minor
flooding is falling in the O'Connor area.

Minor to major flooding continues in the Macintyre Brook and Dumaresq
catchments. Moderate to major flooding is forecast along the lower Macintyre
River between New Kildonan and Goondiwindi during the weekend.

WEIR RIVER:

Moderate flooding continues to ease in the Weir River at Surrey. Moderate flood
levels will continue to rise at Talwood, where a peak is expected at Talwood of
up to 4 metres (major) overnight Friday. At 9am Friday the river level at
Talwood (manual) was 3.65 metres and rising. Rises will continue downstream at
Jericho during Friday.


MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Major to moderate flooding continues along the Macintyre Brook. Moderate flood
levels are falling at Woodspring. At Inglewood Bridge, moderate flood levels are
now easing with major flood levels falling at Inglewood Weir.

Dumaresq River:
River rises are continuing along the Dumaresq River, with minor flooding
occurring at Roseneath and Beardy Junction. Moderate flood levels of 7 metres
are likely at Texas late today or overnight. Levels of at least 4 metres are
expected at Glenarbon Weir on Saturday.

Lower Macintyre River:
River rises are occurring along the upper Macintyre River in NSW. Along the
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lower Macintyre, moderate flood levels are expected in the Kildonan area today with rises to between 10 and 11 metres likely over the weekend. At Goondiwindi, major flood levels of above 9 metres are expected with a peak likely early on Sunday. Further predictions will be made as upstream peaks are observed.

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual) Peak up to 4 metres (major) late Friday.

MACINTYRE RIVER:

Goondiwindi Major flood peak above 9 metres expected early Sunday.

Further predictions will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 7:30am Saturday.

Latest River Heights:

Severn R at Ashford	1.36m	steady	09:00 AM FRI 07/01/11
Macintyre R at Holdfast	1.03m	steady	11:30 AM FRI 07/01/11
Pike Ck at Glenlyon Dam TW *	2.29m	steady	11:00 AM FRI 07/01/11
Dumaresq R at Roseneath	5.78m	falling	09:15 AM FRI 07/01/11
Beardy R at Haystack	2.21m	falling	07:30 AM FRI 07/01/11
Dumaresq R at Beardy Junction	6.05m	rising	09:00 AM FRI 07/01/11
Dumaresq R at Bonshaw	5.6m	rising	09:45 AM FRI 07/01/11
Dumaresq R at Texas *	5.56m	rising	11:45 AM FRI 07/01/11
Dumaresq R at Glenarbon Weir *	2.6m	rising	09:45 AM FRI 07/01/11
Macintyre Bk at Coolmunda Dam TW *	1.47m	falling	11:34 AM FRI 07/01/11
Macintyre Bk at Inglewood Br *	7.75m	falling	11:48 AM FRI 07/01/11
Dumaresq R at Bengalla *	6.23m	rising	11:40 AM FRI 07/01/11
Macintyre R at New Kildonan *	4.96m	rising	11:50 AM FRI 07/01/11
Macintyre R at Boggabilla	4.89m	rising	09:30 AM FRI 07/01/11
Macintyre R at Goondiwindi *	5.16m	rising	11:40 AM FRI 07/01/11
Callandoon Ck at Carana Weir *	2.6m	steady	06:10 AM FRI 07/01/11
Weir R at O'Connor *	4.82m	falling	11:30 AM FRI 07/01/11
Weir R at Retreat Br *	4.7m	steady	11:00 AM FRI 07/01/11
Weir R at Ballymena *	3.46m	rising	11:40 AM FRI 07/01/11
Weir R at Gunn Br *	1.86m	rising	11:30 AM FRI 07/01/11
Weir R at Hartmann Br *	4.09m	steady	11:00 AM FRI 07/01/11
Weir R at Surrey *	5.22m	steady	11:30 AM FRI 07/01/11
Weir R at Talwood	3.65m	rising	09:00 AM FRI 07/01/11
Weir R at Talwood *	4.33m	rising	10:30 AM FRI 07/01/11
Weir R at Jericho *	2.71m	steady	11:00 AM FRI 07/01/11
Weir R at Mascot *	1.95m	steady	05:00 AM FRI 07/01/11

*automatic station

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 6:51 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the lower Weir River between Surrey and Jericho, with the flood peak currently approaching Talwood. Moderate flood levels are falling at Medpark Bridge.

Minor to major flooding continues in the Macintyre Brook and Dumaresq catchments. Moderate to major flooding is forecast along the lower Macintyre River between New Kildonan and Goondiwindi during the weekend with a peak expected at Goondiwindi of 9.2 metres on Sunday.

WEIR RIVER:

Moderate flooding continues to ease in the Weir River at Surrey. Moderate flood levels will continue to rise at Talwood, where a peak is expected at Talwood of near to 4 metres during today. At 9pm Friday the river level at Talwood (manual) was 3.75 metres and rising. Rises will continue downstream at Jericho during Saturday with major flood levels of 3 metres likely this weekend.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are falling at Inglewood with major flood levels approaching a peak at Booba Sands of just above 8 metres. Moderate flood levels continue to fall at Woodspring.

Dumaresq River:
Minor flooding is falling at Roseneath and Beardy Junction with a flood peak now downstream of Texas. Levels of at least 4 metres are expected at Glenarbon Weir during today.

Lower Macintyre River:
Minor flooding is occurring at Ashford along the upper Macintyre River in NSW. Along the lower Macintyre, moderate flood levels are expected in the Kildonan area today with rises to just above 10 metres forecast during Sunday. At Goondiwindi, a major flood peak of 9.2 metres is expected on Sunday.

A flood warning is current for the Macintyre River in NSW
see: http://www.bom.gov.au/nsw/warnings/

Predicted River Heights/Flows:
WEIR RIVER:

Talwood (Manual) Peak near to 4 metres during Saturday.

MACINTYRE RIVER:

Goondiwindi Major flood peak around 9.2 metres during Sunday.

Further predictions will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued by 7:30am Sunday.

Latest River Heights:

Severn R at Ashford	2.32m steady	03:30 AM SAT 08/01/11
Macintyre R at Holdfast	2.38m steady	05:45 AM SAT 08/01/11
Dumaresq R at Farnbro *	2.18m steady	05:00 AM SAT 08/01/11
Pike Ck at Glenlyon Dam TW *	2.2m steady	05:20 AM SAT 08/01/11
Dumaresq R at Roseneath	4m falling	03:00 AM SAT 08/01/11
Beardy R at Haystack	2.08m steady	01:00 PM FRI 07/01/11
Dumaresq R at Beardy Junction	4.65m falling slowly	06:00 AM SAT 08/01/11
Dumaresq R at Bonshaw	5.19m falling	03:30 AM SAT 08/01/11
Dumaresq R at Texas *	6.21m falling	05:39 AM SAT 08/01/11
Dumaresq R at Glenarbon Weir *	3.66m rising	03:30 AM SAT 08/01/11
Macintyre Bk at Coolmunda Dam TW *	0.87m falling	05:34 AM SAT 08/01/11
Macintyre Bk at Inglewood Br *	4.76m falling	05:49 AM SAT 08/01/11
Dumaresq R at Bengalla *	8.11m rising	05:40 AM SAT 08/01/11
Macintyre R at New Kildonan *	6.71m rising	05:50 AM SAT 08/01/11
Macintyre R at Boggabilla	7.27m rising	03:30 AM SAT 08/01/11
Macintyre R at Goondiwindi *	7.1m rising	05:40 AM SAT 08/01/11
Callandoon Ck at Oonavale*	5.05m rising	05:40 AM SAT 08/01/11
Weir R at O'Connor *	3.15m falling	05:20 AM SAT 08/01/11
Weir R at Retreat Br *	4.83m steady	05:10 AM SAT 08/01/11
Weir R at Ballymena *	4.63m rising	05:00 AM SAT 08/01/11
Weir R at Gunn Br *	3.3m rising	05:30 AM SAT 08/01/11
Yarrill Ck at Medpark Br *	4.14m falling	05:20 AM SAT 08/01/11
Weir R at Hartmann Br *	3.86m falling	05:00 AM SAT 08/01/11
Weir R at Surrey *	4.72m falling	05:30 AM SAT 08/01/11
Weir R at Talwood	3.75m rising slowly	09:00 PM FRI 07/01/11
Weir R at Talwood *	4.41m steady	05:50 AM SAT 08/01/11
Weir R at Jericho *	2.82m rising	05:10 AM SAT 08/01/11
Weir R at Mascot *	2m steady	05:00 AM SAT 08/01/11

*automatic station

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IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 6:32 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the lower Weir River between Surrey and
Jericho, with the flood peak currently approaching Jericho.

Moderate to major flooding is forecast along the lower Macintyre River between

Kildonan and Goondiwindi today with a peak expected at Goondiwindi of around 8.8 metres today.

WEIR RIVER:

Moderate flooding continues to ease in the Weir River at Surrey and has peaked at Talwood at 3.77 metres. At 9pm Saturday, the river level at Talwood (manual) was 3.74 metres and falling slowly. Rises will continue downstream at Jericho during Sunday with major flood levels continuing.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are falling at Booba Sands. Further rainfall overnight may lead to some renewed minor flood levels in the catchment.

Lower Macintyre River:
A moderate flood peak is expected in the Kildonan area today. At Goondiwindi, a major flood peak of around 8.8 metres is expected today.

Predicted River Heights/Flows:

Goondiwindi Major flood peak of about 8.8 metres today.

Next Issue:
The next warning will be issued by 7:30am Monday.

Latest River Heights:

Severn R at Ashford	1.75m steady	03:30 AM SUN 09/01/11
Macintyre R at Holdfast	2.3m steady	05:00 AM SUN 09/01/11
Dumaresq R at Farnbro *	1.88m falling	05:30 AM SUN 09/01/11
Pike Ck at Glenlyon Dam TW *	1.9m steady	05:00 AM SUN 09/01/11
Dumaresq R at Roseneath	3.2m steady	12:15 AM SUN 09/01/11
Beardy R at Haystack	1.41m steady	05:00 AM SUN 09/01/11
Dumaresq R at Bonshaw	4.43m steady	03:30 AM SUN 09/01/11
Dumaresq R at Texas *	4.46m falling	05:39 AM SUN 09/01/11
Dumaresq R at Glenarbon Weir *	3.53m falling	03:30 AM SUN 09/01/11
Macintyre Bk at Coolmunda Dam TW *	0.67m steady	05:34 AM SUN 09/01/11
Macintyre Bk at Inglewood Br *	3.37m falling	05:49 AM SUN 09/01/11
Dumaresq R at Bengalla *	8.61m falling	05:50 AM SUN 09/01/11
Macintyre R at New Kildonan *	8.6m rising	05:50 AM SUN 09/01/11
Macintyre R at Boggabilla	9.23m rising	03:30 AM SUN 09/01/11
Macintyre R at Goondiwindi *	8.46m rising	05:30 AM SUN 09/01/11
Callandoon Ck at Oonavale*	6.14m steady	05:20 AM SUN 09/01/11
Macintyre R at Terrewah	6.4m steady	03:30 AM SUN 09/01/11
Weir R at O'Connor *	2.24m steady	05:00 AM SUN 09/01/11
Weir R at Retreat Br *	3.46m falling	05:40 AM SUN 09/01/11
Weir R at Ballymena *	4.77m falling	05:40 AM SUN 09/01/11
Weir R at Gunn Br *	3.93m rising	05:00 AM SUN 09/01/11
Yarrill Ck at Medpark Br *	2.92m steady	05:30 AM SUN 09/01/11
Weir R at Hartmann Br *	3.66m steady	05:20 AM SUN 09/01/11
Weir R at Surrey *	4.09m steady	05:20 AM SUN 09/01/11
Weir R at Talwood	3.74m steady	09:00 PM SAT 08/01/11
Weir R at Talwood *	4.41m steady	04:30 AM SUN 09/01/11
Weir R at Jericho *	2.96m rising	05:00 AM SUN 09/01/11
Weir R at Mascot *	2.01m steady	07:00 AM SAT 08/01/11

*automatic station

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 7:59 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the lower Weir River between Surrey and Jericho, with the flood peak currently approaching Jericho.

Moderate to major flooding has peaked along the lower Macintyre River between Kildonan and Goondiwindi. Rises will continue downstream to Terrewah today with moderate flooding.

WEIR RIVER:

Moderate flooding continues to ease in the Weir River at Surrey and has peaked at Talwood at 3.77 metres on Sunday. Rises will continue downstream at Jericho during Sunday with major flood levels continuing.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
A renewed minor peak is occurring at Inglewood with levels expected to fall later today.

Lower Macintyre River:
A major flood peak was recorded at Goondiwindi of 8.9 metres overnight. Flood levels will continue sto fall at Goondiwindi and Kildonan during today. Major flood levels will continue along Callandoon Creek during today. Moderate flood levels at Terrewah will continue rising through Monday.

Next Issue:
The next warning will be issued by 9:30am Tuesday.

Latest River Heights:

Severn R at Ashford	1.36m steady	06:30 AM MON 10/01/11
Macintyre R at Holdfast	1.72m steady	06:30 AM MON 10/01/11
Dumaresq R at Farnbro *	1.77m steady	05:50 AM MON 10/01/11
Pike Ck at Glenlyon Dam TW *	1.65m steady	06:00 AM MON 10/01/11
Dumaresq R at Roseneath	2.71m rising	06:15 AM MON 10/01/11
Beardy R at Haystack	1.75m rising	01:15 AM MON 10/01/11
Dumaresq R at Beardy Junction	3.25m falling slowly	09:00 PM SUN 09/01/11
Dumaresq R at Bonshaw	3.91m steady	04:00 AM MON 10/01/11
Dumaresq R at Texas *	3.36m falling	05:39 AM MON 10/01/11
Dumaresq R at Glenarbon Weir *	2.14m steady	06:30 AM MON 10/01/11

Macintyre Bk at Coolmunda Dam TW *	0.76m falling	05:34 AM MON 10/01/11
Macintyre Bk at Inglewood Br *	4.14m falling	05:48 AM MON 10/01/11
Dumaresq R at Bengalla *	6.56m falling	05:50 AM MON 10/01/11
Macintyre R at New Kildonan *	8.38m falling	05:50 AM MON 10/01/11
Macintyre R at Boggabilla	9.79m falling	06:15 AM MON 10/01/11
Macintyre R at Goondiwindi *	8.82m falling	06:00 AM MON 10/01/11
Callandoon Ck at Carana Weir *	5.94m steady	06:00 AM MON 10/01/11
Callandoon Ck at Oonavale*	6.36m steady	06:00 AM MON 10/01/11
Macintyre R at Terrewah	6.58m steady	06:30 AM MON 10/01/11
Weir R at O'Connor *	3.76m rising	05:30 AM MON 10/01/11
Weir R at Retreat Br *	2.23m steady	05:30 AM MON 10/01/11
Weir R at Ballymena *	3.28m falling	05:40 AM MON 10/01/11
Weir R at Gunn Br *	3.19m falling	06:10 AM MON 10/01/11
Yarrill Ck at Medpark Br *	2.03m falling	05:20 AM MON 10/01/11
Weir R at Hartmann Br *	3.54m falling	05:30 AM MON 10/01/11
Weir R at Surrey *	3.69m steady	05:20 AM MON 10/01/11
Weir R at Talwood	3.7m falling slowly	09:00 PM SUN 09/01/11
Weir R at Talwood *	4.32m steady	05:30 AM MON 10/01/11
Weir R at Jericho *	3.1m steady	06:00 AM MON 10/01/11

*automatic station

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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 5:14 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is expected along the Dumaresq and Macintyre Rivers during the
next 48 hours.

At Goondiwindi, major flood levels are expected to continue and rise again at
Goondiwindi. Flood levels to about 10 metres are forecast during Thursday with
further rises as rainfall continues.

Minor to moderate flooding continues in the lower Weir River between Surrey and
Jericho, with the flood peak currently approaching Jericho.

WEIR RIVER:

Moderate flooding continues to ease in the Weir River at Surrey and has peaked
at Talwood at 3.77 metres on Sunday. Rises will continue downstream at Jericho
during Sunday with major flood levels continuing.

Further rises are possible in the Weir catchment following overnight rainfall.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flooding is expected to rise again along Macintyre Brook at Inglewood during today and Wednesday.

Dumaresq River
Heavy rainfall during Monday and overnight is expected to lead to major flood levels along the Dumaresq River during the next 24 hours. Major flood levels are expected at Roseneath today and at Texas overnight. Further rainfall is foreacst so it is not possible to predict a peak at this time. Flood levels at Texas of at least 8.5 metres are expected overnight. Flood levels of at least 5 metres are expected at Glenarbon on Wednesday morning.

Upper Macintyre (NSW)
A moderate flood warning is current for the upper Macintyre in NSW. see : http://www.bom.gov.au/nsw/index.shtml for details

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre.from Glenarbon to Goondiwindi during the next 48 hours. Flood levels of about 11 metres or higher are expected at Kildonan early on Thursday. Higher levels are possible as rainfall continues.

At Goondiwindi, major flood levels are expected to continue and rise again at Goondiwindi. Flood levels to about 10 metres are forecast during Thursday. Further rainfall is forecast so it is not possible to predict a peak at this time.

Next Issue:
The next warning will be issued by 5pm Tuesday.

Latest River Heights:

Severn R at Ashford	1.72m	steady	03:45 AM TUE 11/01/11
Macintyre R at Holdfast	1.38m	steady	02:00 AM TUE 11/01/11
Dumaresq R at Farnbro *	4.26m	falling	02:30 AM TUE 11/01/11
Pike Ck at Glenlyon Dam TW *	1.94m	rising	02:20 AM TUE 11/01/11
Dumaresq R at Roseneath	7.03m	rising	03:45 AM TUE 11/01/11
Beardy R at Haystack	4.14m	falling	04:00 AM TUE 11/01/11
Dumaresq R at Beardy Junction	3.65m	rising	03:00 PM MON 10/01/11
Dumaresq R at Bonshaw	4.92m	rising	03:30 AM TUE 11/01/11
Dumaresq R at Texas *	3.91m	rising	11:39 PM MON 10/01/11
Dumaresq R at Glenarbon Weir *	2.17m	rising	03:30 AM TUE 11/01/11
Macintyre Bk at Coolmunda Dam TW *	0.87m	rising	02:34 AM TUE 11/01/11
Macintyre Bk at Inglewood Br *	3.49m	rising	11:48 PM MON 10/01/11
Dumaresq R at Bengalla *	5.37m	falling	11:50 PM MON 10/01/11
Macintyre R at New Kildonan *	6.45m	falling	11:30 PM MON 10/01/11
Macintyre R at Boggabilla	9.45m	falling	12:30 PM MON 10/01/11
Macintyre R at Goondiwindi *	7.76m	falling	02:40 AM TUE 11/01/11
Callandoon Ck at Carana Weir *	5.94m	steady	06:00 AM MON 10/01/11
Callandoon Ck at Oonavale*	6.51m	rising	11:20 PM MON 10/01/11
Macintyre R at Terrewah	6.68m	steady	03:30 AM TUE 11/01/11
Weir R at O'Connor *	4.38m	falling	11:30 PM MON 10/01/11
Weir R at Retreat Br *	3.77m	rising	11:40 PM MON 10/01/11
Weir R at Ballymena *	2.4m	rising	02:00 AM TUE 11/01/11
Weir R at Gunn Br *	2.08m	falling	11:30 PM MON 10/01/11
Yarrill Ck at Medpark Br *	2.23m	steady	11:40 PM MON 10/01/11
Weir R at Hartmann Br *	3.57m	rising	11:00 PM MON 10/01/11
Weir R at Surrey *	3.46m	steady	03:00 AM TUE 11/01/11
Weir R at Talwood	3.55m	falling	09:00 PM MON 10/01/11
Weir R at Talwood *	4.2m	falling	11:20 PM MON 10/01/11
Weir R at Jericho *	3.15m	steady	02:00 AM TUE 11/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 11:13 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall continues over the eastern part of the catchment with falls of between
40 - 80 mm in the past 24 hours. This is causing further rises and major
flooding along the Dumaresq River, with major flooding to develop in the
Macintyre River during the next 48 hours.

At Goondiwindi, flood levels have now eased below major but further rises and a
return to major flooding is expected late Wednesday. Flood levels to about 10.5
metres are forecast during Thursday with further rises as rainfall continues.

Minor to major flooding continues in the lower Weir River between Surrey and
Jericho, with the flood peak currently around Jericho. Further rises and a
return to moderate to major flooding is expected in the Upper Weir River
following overnight rainfall.

WEIR RIVER:

Minor to moderate flooding continues to ease on the Weir River between Surrey
and Talwood. The flood peak is now in the Jericho area where major river
flooding has developed. Heavy rainfall will cause further rises and a return to
moderate to major flooding in the upper Weir River in the next 24 hours.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flooding is expected to rise again along Macintryre Brook at Inglewood
during today and Wednesday.

Dumaresq River
Major flooding has developed along the Dumaresq River at Roseneath with further
rises expected. Major flooding is expected to extend downstream to Texas later
today. Further rainfall is foreacst so it is not possible to predict a peak at
this time. Flood levels at Texas to around 9 metres are expected tonight. Flood
levels of at least 5 metres are expected at Glenarbon overnight.

Upper Macintyre (NSW)
A major flood warning is current for the upper Macintyre in NSW. see :
http://www.bom.gov.au/nsw/index.shtml for details

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours. Flood levels of about 11 metres or higher are expected at Kildonan late Wednesday. Higher levels are possible as rainfall continues.

At Goondiwindi, river levels have eased below the major flood level but are expected to again rise to around 10.5 metres Thursday. Further rainfall is forecast so it is not possible to predict a peak at this time.

Next Issue:
The next warning will be issued by 5pm Tuesday.

Latest River Heights:

Severn R at Ashford	5.04m rising	09:45 AM TUE 11/01/11
Macintyre R at Holdfast	1.33m steady	10:00 AM TUE 11/01/11
Dumaresq R at Farnbro *	3.63m steady	08:00 AM TUE 11/01/11
Pike Ck at Glenlyon Dam TW *	2.2m steady	08:00 AM TUE 11/01/11
Dumaresq R at Roseneath	8.52m rising	10:00 AM TUE 11/01/11
Beardy R at Haystack	3.65m rising	11:00 AM TUE 11/01/11
Dumaresq R at Beardy Junction	7.45m rising fast	09:00 AM TUE 11/01/11
Dumaresq R at Bonshaw	6.18m rising	09:30 AM TUE 11/01/11
Dumaresq R at Texas *	4.76m rising	05:51 AM TUE 11/01/11
Dumaresq R at Glenarbon Weir *	2.53m rising	09:15 AM TUE 11/01/11
Macintyre Bk at Coolmunda Dam TW *	1.41m rising	08:19 AM TUE 11/01/11
Macintyre Bk at Inglewood Br *	3.94m rising	08:28 AM TUE 11/01/11
Dumaresq R at Bengalla *	5.41m rising	08:50 AM TUE 11/01/11
Macintyre R at New Kildonan *	5.85m rising	08:50 AM TUE 11/01/11
Macintyre R at Boggabilla	9.45m falling	12:30 PM MON 10/01/11
Macintyre R at Goondiwindi *	7.4m falling	08:20 AM TUE 11/01/11
Callandoon Ck at Carana Weir *	5.97m steady	06:00 AM TUE 11/01/11
Callandoon Ck at Oonavale*	6.51m rising	11:20 PM MON 10/01/11
Macintyre R at Terrewah	6.7m steady	09:30 AM TUE 11/01/11
Weir R at O'Connor *	5.45m rising	05:50 AM TUE 11/01/11
Weir R at Retreat Br *	3.77m rising	11:40 PM MON 10/01/11
Weir R at Ballymena *	2.68m rising	08:20 AM TUE 11/01/11
Weir R at Gunn Br *	1.84m falling	06:00 AM TUE 11/01/11
Yarrill Ck at Medpark Br *	2.37m steady	05:50 AM TUE 11/01/11
Weir R at Hartmann Br *	3.62m steady	05:30 AM TUE 11/01/11
Weir R at Surrey *	3.43m steady	08:20 AM TUE 11/01/11
Weir R at Talwood	3.43m falling	09:00 AM TUE 11/01/11
Weir R at Talwood *	4.13m falling	08:10 AM TUE 11/01/11
Weir R at Jericho *	3.17m steady	08:00 AM TUE 11/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 5:48 PM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall continues over the eastern part of the catchment with falls in excess of 180mm recorded in the Stanthorpe area in the past 24 hours. Rainfalls elsewhere in the catchment have been between 40-100mm in the past 24 hours.

This is causing further rises and major flooding along the Dumaresq River, with major flooding to develop in the Macintyre River during the next 48 hours.

At Goondiwindi, flood levels continue to ease but further rises and a return to major flooding is expected late Wednesday. Flood levels are expected peak around the January 1996 level of 10.6 metres late Thursday with further rises possible as rainfall continues.

WEIR RIVER:
Minor flooding continues to ease on the Weir River at Talwood. The flood peak is now in the Jericho area where major river flooding has developed. Heavy rainfall will cause further rises and a return to moderate to major flooding in the upper Weir River in the next 24 hours.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flooding is expected to rise again along Macintyre Brook at Inglewood Bridge during today and Wednesday. A moderate flood peak to about 8.3 metres likely during Wednesday.

Dumaresq River:
Major flooding has developed along the Dumaresq River at Roseneath with further rises expected. Major flooding is expected to extend downstream to Texas later today. A peak forecast is not possible for Texas at this time as rainfall is continuing. Flood levels at Texas are expected to reach at least 10 metres during Wednesday. Flood levels of at least 5 metres are expected at Glenarbon overnight.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml .

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours. Flood levels of about 11 metres or higher are expected at Kildonan Thursday morning. Higher levels are possible as rainfall continues.

At Goondiwindi, river levels have eased below the major flood level but are expected to rise again and peak around the January 1996 flood level of 10.6 metres late Thursday.

Predicted River Heights/Flows:
Macintyre Brook at:
Inglewood Bridge A moderate flood to about 8.3 metres during Wednesday.

Dumaresq River:

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Texas              Reach at least 10 metres during Wednesday.

Macintyre River at:
Goondiwindi        Peak around the January 1996 flood level of 10.6 metres
             late Thursday.

Next Issue:
The next warning will be issued by 11pm Tuesday.

Latest River Heights:
Severn R at Ashford                 6.65m rising  05:00 PM TUE 11/01/11
Macintyre R at Holdfast             1.44m steady  04:00 PM TUE 11/01/11
Dumaresq R at Farnbro *             5.42m rising  02:20 PM TUE 11/01/11
Pike Ck at Glenlyon Dam TW *        2.45m rising  02:20 PM TUE 11/01/11
Dumaresq R at Roseneath             8.88m falling 03:15 PM TUE 11/01/11
Beardy R at Haystack                5.62m rising  04:15 PM TUE 11/01/11
Dumaresq R at Beardy Junction       8.8m rising   09:00 AM TUE 11/01/11
Dumaresq R at Bonshaw               7.07m rising  03:30 PM TUE 11/01/11
Dumaresq R at Texas *               7.16m rising  02:45 PM TUE 11/01/11
Dumaresq R at Glenarbon Weir *      3.21m rising  03:15 PM TUE 11/01/11
Macintyre Bk at Coolmunda Dam TW *  3.57m rising  02:35 PM TUE 11/01/11
Macintyre Bk at Inglewood Br *      7.02m rising  02:50 PM TUE 11/01/11
Dumaresq R at Bengalla *            5.72m rising  02:40 PM TUE 11/01/11
Macintyre R at New Kildonan *       5.63m rising  02:40 PM TUE 11/01/11
Macintyre R at Boggabilla           7.2m steady   03:30 PM TUE 11/01/11
Macintyre R at Goondiwindi *        7.1m falling  02:30 PM TUE 11/01/11
Callandoon Ck at Carana Weir *      5.97m steady  06:00 AM TUE 11/01/11
Callandoon Ck at Oonavale*          6.56m steady  03:40 PM TUE 11/01/11
Macintyre R at Terrewah             6.73m steady  03:30 PM TUE 11/01/11

Weir R at O'Connor *                9.34m rising  02:40 PM TUE 11/01/11
Weir R at Retreat Br *              3.77m rising  11:40 PM MON 10/01/11
Weir R at Ballymena *               3.53m rising  02:40 PM TUE 11/01/11
Weir R at Gunn Br *                 1.9m rising   02:40 PM TUE 11/01/11
Yarrill Ck at Medpark Br *          2.56m rising  02:40 PM TUE 11/01/11
Weir R at Hartmann Br *             3.74m falling 02:40 PM TUE 11/01/11
Weir R at Surrey *                  3.44m steady  02:40 PM TUE 11/01/11
Weir R at Talwood                   3.43m falling 09:00 AM TUE 11/01/11
Weir R at Talwood *                 4.07m steady  02:00 PM TUE 11/01/11
Weir R at Jericho *                 3.18m steady  02:00 PM TUE 11/01/11

* from automatic station


Warnings and River Height Bulletins are available at
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 11:31 PM on Tuesday the 11th of January 2011
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by the Bureau of Meteorology, Brisbane.

Rises and major flooding continue along the Dumaresq River and Macintyre Brook, with major flooding to develop in the lower Macintyre River during the next 48 hours.

At Goondiwindi, flood levels continue to ease but further rises and a return to major flooding is expected late Wednesday. Flood levels are expected peak around the January 1996 level of 10.6 metres late Thursday with further rises possible.

WEIR RIVER:
Fast rises causing major flooding are being recorded on the upper Weir River at O'Connor. Moderate to major flooding is expected in the upper Weir River during the next 24 hours.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Outflows from Coolmunda Dam are expected to peak overnight. Moderate flood levels continue to rise downstream at Inglewood and are currently at 9.1 metres and approaching a peak. Further small rises are possible overnight with river levels expected to begin easing during Wednesday morning. Major flood levels are forecast for the lower Macintyre Brook at Booba Sands during Wednesday.

Dumaresq River:
Major flooding has peaked along the Dumaresq River upstream of Bonshaw Weir. Further small rises are likely during the next few hours in the Bonshaw Weir area with a peak around the major flood level of 8 metres expected at Texas during Wednesday. Flood levels of at least 5 metres are expected at Glenarbon during Wednesday.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml .

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours.

Flood levels of above 12 metres are expected at Kildonan during Thursday morning.

At Goondiwindi, river levels have eased below the major flood level but are expected to rise again and peak around the January 1996 flood level of 10.6 metres late Thursday.

Predicted River Heights/Flows:
Macintyre Brook at:
Inglewood Bridge Peak around current levels (9.1 metres) during Wednesday.

Dumaresq River:
Texas Peak around 8 metres (major) during Wednesday.

Macintyre River at:
Goondiwindi Peak around the January 1996 flood level of 10.6 metres late Thursday.

Next Issue:

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The next warning will be issued by 8am Wednesday.

Latest River Heights:
Severn R at Ashford                 7.43m rising  10:00 PM TUE 11/01/11
Macintyre R at Holdfast             1.63m rising  09:45 PM TUE 11/01/11
Dumaresq R at Farnbro *             5.13m falling 08:30 PM TUE 11/01/11
Pike Ck at Glenlyon Dam TW *        2.99m rising  08:40 PM TUE 11/01/11
Dumaresq R at Roseneath             8.88m falling 03:15 PM TUE 11/01/11
Beardy R at Haystack                4.09m falling 10:00 PM TUE 11/01/11
Dumaresq R at Beardy Junction       9.1m rising   09:00 PM TUE 11/01/11
Dumaresq R at Bonshaw               7.6m rising   09:45 PM TUE 11/01/11
Dumaresq R at Texas *               7.61m rising  08:39 PM TUE 11/01/11
Dumaresq R at Glenarbon Weir *      3.8m rising   09:15 PM TUE 11/01/11
Macintyre Bk at Coolmunda Dam TW *  3.71m falling 08:36 PM TUE 11/01/11
Macintyre Bk at Inglewood Br *      9.12m rising  08:50 PM TUE 11/01/11
Dumaresq R at Bengalla *            6.34m rising  08:50 PM TUE 11/01/11
Macintyre R at New Kildonan *       5.77m rising  09:00 PM TUE 11/01/11
Macintyre R at Boggabilla           7.08m steady  08:15 PM TUE 11/01/11
Macintyre R at Goondiwindi *        6.93m falling 08:30 PM TUE 11/01/11
Callandoon Ck at Carana Weir *      5.97m steady  06:00 AM TUE 11/01/11
Callandoon Ck at Oonavale*          6.58m rising  08:10 PM TUE 11/01/11
Macintyre R at Terrewah             6.76m steady  09:30 PM TUE 11/01/11

Weir R at O'Connor *                11.4m rising  08:30 PM TUE 11/01/11
Weir R at Retreat Br *              3.77m rising  11:40 PM MON 10/01/11
Weir R at Ballymena *               4.22m rising  08:30 PM TUE 11/01/11
Weir R at Gunn Br *                 2.45m rising  08:40 PM TUE 11/01/11
Yarrill Ck at Medpark Br *          3.4m rising   08:40 PM TUE 11/01/11
Weir R at Hartmann Br *             3.83m rising  08:10 PM TUE 11/01/11
Weir R at Surrey *                  3.42m steady  09:00 PM TUE 11/01/11
Weir R at Talwood                   3.35m falling 09:00 PM TUE 11/01/11
Weir R at Talwood *                 4.01m steady  08:40 PM TUE 11/01/11
Weir R at Jericho *                 3.17m steady  08:00 PM TUE 11/01/11

* from automatic station


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 8:38 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels exceeding the 1976 flood levels have been recorded on the Dumaresq
River overnight.  Major flooding continues to rise on the Dumaresq River
downstream from Beardy Junction. River levels continue to rise on the Macintyre
Brook at Booba Sands.  Moderate to major flooding is rising on the MacIntryre
River with river levels at Goondiwindi expected to rise to around 1996 flood
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levels during Thursday.

WEIR RIVER:
Major flooding with continued rises is occurring in the Upper Weir River at O'Connor. Major flooding is expected to developed downstream over the next several days.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Moderate flood levels peaked at Inglewood Bridge on the Macintrye Brook overnight and are now falling. River levels rises and major flooding to develop at Booba Sands during Wednesday morning.

Dumaresq River:
The Dumaresq River at Beardy Junction peaked at 9.9 metres overnight. This exceeds the 1976 flood level of 9.8 metres. Rises are continuing downstream at Texas where river levels to around the 1996 flood level of 10.8 metres are expected during Wednesday.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml .

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours.

Flood levels of above 12 metres are expected at Kildonan during Thursday morning with further rises possible.

At Goondiwindi, flood levels are again rising and expected to reach the 1996 flood level of 10.6 metres late Thursday with further rises possible.

Predicted River Heights/Flows:
Macintyre Brook at:
Inglewood Bridge Peaked overnight at 9.15 metres and now falling.

Dumaresq River:
Texas Reach levels similar to the 1976 flood peak of 10.8 metres later Wednesday.

Macintyre River at:
Goondiwindi Peak around the January 1996 flood level of 10.6 metres late Thursday.

Next Issue:
The next warning will be issued by 1pm Wednesday.

Latest River Heights:

Severn R at Ashford	7.55m steady	06:15 AM WED 12/01/11
Macintyre R at Holdfast	5.61m rising	07:00 AM WED 12/01/11
Dumaresq R at Farnbro *	4.55m falling	11:30 PM TUE 11/01/11
Pike Ck at Glenlyon Dam TW *	3.28m steady	06:00 AM WED 12/01/11
Dumaresq R at Roseneath	8.88m falling	03:15 PM TUE 11/01/11
Beardy R at Haystack	4.09m falling	10:00 PM TUE 11/01/11
Dumaresq R at Beardy Junction	9.4m falling slowly	05:50 AM WED 12/01/11

Dumaresq R at Bonshaw	8.06m falling	06:30 AM WED 12/01/11
Dumaresq R at Texas *	8.61m rising	05:45 AM WED 12/01/11
Dumaresq R at Glenarbon Weir *	4.29m rising	06:30 AM WED 12/01/11
Macintyre Bk at Coolmunda Dam TW *	1.57m falling	05:35 AM WED 12/01/11
Macintyre Bk at Inglewood Br *	8.2m falling	05:48 AM WED 12/01/11
Dumaresq R at Bengalla *	7.42m rising	05:50 AM WED 12/01/11
Macintyre R at New Kildonan *	6.35m rising	05:50 AM WED 12/01/11
Macintyre R at Boggabilla	7.33m rising	06:30 AM WED 12/01/11
Macintyre R at Goondiwindi *	7.03m steady	06:00 AM WED 12/01/11
Callandoon Ck at Carana Weir *	5.51m steady	06:10 AM WED 12/01/11
Callandoon Ck at Oonavale*	6.57m rising	06:10 AM WED 12/01/11
Macintyre R at Terrewah	6.82m steady	06:00 AM WED 12/01/11
Weir R at O'Connor *	11.52m falling	05:30 AM WED 12/01/11
Weir R at Ballymena *	4.91m rising	05:40 AM WED 12/01/11
Weir R at Gunn Br *	2.45m rising	08:40 PM TUE 11/01/11
Yarrill Ck at Medpark Br *	4.09m rising	05:40 AM WED 12/01/11
Weir R at Hartmann Br *	3.95m steady	05:40 AM WED 12/01/11
Weir R at Surrey *	3.45m steady	05:00 AM WED 12/01/11
Weir R at Talwood	3.35m falling	09:00 PM TUE 11/01/11
Weir R at Talwood *	3.91m falling	05:30 AM WED 12/01/11
Weir R at Jericho *	3.16m steady	06:00 AM WED 12/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 1:15 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels exceeding the 1976 flood levels have been recorded on the Dumaresq River overnight. Major flooding continues to rise on the Dumaresq River downstream from Bonshaw Weir where record flood levels were recorded Wednesday morning. Major flooding has developed at Booba Sands on the Macintyre River with further rises expected. Moderate to major flooding is rising on the Macintryre River with river levels at Goondiwindi expected to rise to around 1996 flood levels during Thursday.

WEIR RIVER:
Major flooding has peaked at O'Connor at 11.85 metres Wednesday morning and is now falling. Rises and major flooding is expected downstream over the next several days. River levels on the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:

Moderate flood levels peaked at Inglewood Bridge on the Macintrye Brook overnight and are now falling. Major flooding has developed at Booba Sands with further rises expected during Wednesday.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeds the 1976 flood level by 0.25 metres. Rises are continuing downstream at Texas where river levels to around the 1996 flood level of 10.8 metres are expected during Wednesday night.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml .

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours.

Flood levels of above 12 metres are expected at Kildonan during Thursday morning with further rises possible.

At Goondiwindi, flood levels are again rising and expected to reach the 1996 flood level of 10.6 metres late Thursday with further rises possible.

Predicted River Heights/Flows:
Macintyre Brook at:

Dumaresq River:
Texas Reach levels similar to the 1976 flood peak of 10.8 metres Wednesday night.

Macintyre River at:
Goondiwindi Peak around the January 1996 flood level of 10.6 metres late Thursday.

Next Issue:
The next warning will be issued by 7pm Wednesday.

Latest River Heights:

Severn R at Ashford	7.28m falling	09:30 AM WED 12/01/11
Macintyre R at Holdfast	7.41m rising	11:45 AM WED 12/01/11
Dumaresq R at Farnbro *	3.25m falling	11:20 AM WED 12/01/11
Pike Ck at Glenlyon Dam TW *	3.26m steady	08:00 AM WED 12/01/11
Dumaresq R at Roseneath	8.88m falling	03:15 PM TUE 11/01/11
Beardy R at Haystack	1.75m falling	10:15 AM WED 12/01/11
Dumaresq R at Beardy Junction	8.8m falling slowly	09:00 AM WED 12/01/11
Dumaresq R at Bonshaw	7.8m falling	09:30 AM WED 12/01/11
Dumaresq R at Texas *	9.01m falling	11:39 AM WED 12/01/11
Dumaresq R at Glenarbon Weir *	4.41m steady	09:15 AM WED 12/01/11
Macintyre Bk at Coolmunda Dam TW *	1.47m falling	11:34 AM WED 12/01/11
Macintyre Bk at Inglewood Br *	7.58m falling	11:48 AM WED 12/01/11
Dumaresq R at Bengalla *	8.11m rising	11:50 AM WED 12/01/11
Macintyre R at New Kildonan *	7.05m rising	11:40 AM WED 12/01/11
Macintyre R at Boggabilla	7.53m rising	09:30 AM WED 12/01/11
Macintyre R at Goondiwindi *	7.18m rising	09:40 AM WED 12/01/11
Callandoon Ck at Carana Weir *	5.48m steady	09:00 AM WED 12/01/11
Callandoon Ck at Oonavale*	6.56m falling	11:30 AM WED 12/01/11
Macintyre R at Terrewah	6.86m steady	09:30 AM WED 12/01/11

Weir R at O'Connor *	9.89m falling	11:50 AM WED 12/01/11
Weir R at Ballymena *	5.34m rising	11:40 AM WED 12/01/11
Weir R at Gunn Br *	3.74m rising	11:50 AM WED 12/01/11
Yarrill Ck at Medpark Br *	4.46m rising	11:30 AM WED 12/01/11
Weir R at Hartmann Br *	3.99m steady	12:00 PM WED 12/01/11
Weir R at Surrey *	3.5m steady	12:00 PM WED 12/01/11
Weir R at Talwood	3.2m falling	09:00 AM WED 12/01/11
Weir R at Talwood *	3.85m steady	12:00 PM WED 12/01/11
Weir R at Jericho *	3.16m steady	12:00 PM WED 12/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 7:23 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels exceeding the 1976 flood levels have been recorded in the Dumaresq River overnight. Major flooding continues to rise in the Dumaresq River downstream from Bonshaw Weir where record flood levels were recorded Wednesday morning. Major flooding has developed at Booba Sands in the Macintyre River with a peak expected overnight Wednesday. Moderate to major flooding is rising in the Macintyre River with river levels at Goondiwindi expected to reach around 1996 flood levels during Thursday with further rises possible.

WEIR RIVER:
Major flooding has peaked at O'Connor at 11.85 metres Wednesday morning and is now falling. Rises and major flooding is expected downstream over the next several days. River levels on the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are continuing to fall at Inglewood Bridge on the Macintyre Brook. Major flooding has developed at Booba Sands with a peak expected overnight Wednesday.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeds the 1976 flood level by 0.25 metres. River levels have peaked at Texas during today and fast rises are occuring at Glenarbon Weir and Bengalla.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including

information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml .

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours.

Flood levels of above 12 metres are expected at Kildonan during Thursday morning with further rises possible.

At Goondiwindi, flood levels are again rising and expected to reach the 1996 flood level of 10.6 metres late Thursday with further rises possible.

Predicted River Heights/Flows:
Macintyre River at:
Goondiwindi Reach around the January 1996 flood level of 10.6 metres late Thursday with further rises possible.

Next Issue:
The next warning will be issued by 11pm Wednesday.

Latest River Heights:

Severn R at Ashford	5.72m	falling	03:30 PM WED 12/01/11
Macintyre R at Holdfast	8.13m	rising	06:00 PM WED 12/01/11
Dumaresq R at Farnbro *	3.06m	falling	02:20 PM WED 12/01/11
Pike Ck at Glenlyon Dam TW *	3.06m	falling	05:00 PM WED 12/01/11
Beardy R at Haystack	1.75m	falling	10:15 AM WED 12/01/11
Dumaresq R at Beardy Junction	7m	falling	06:00 PM WED 12/01/11
Dumaresq R at Bonshaw	7.44m	rising	04:45 PM WED 12/01/11
Dumaresq R at Texas *	9.01m	falling	11:39 AM WED 12/01/11
Dumaresq R at Glenarbon Weir *	5.28m	rising	04:00 PM WED 12/01/11
Macintyre Bk at Coolmunda Dam TW *	0.62m	falling	05:34 PM WED 12/01/11
Macintyre Bk at Inglewood Br *	7.58m	falling	11:48 AM WED 12/01/11
Dumaresq R at Bengalla *	8.11m	rising	11:50 AM WED 12/01/11
Macintyre R at New Kildonan *	7.05m	rising	11:40 AM WED 12/01/11
Macintyre R at Boggabilla	8.24m	rising	04:00 PM WED 12/01/11
Macintyre R at Goondiwindi *	7.84m	rising	05:40 PM WED 12/01/11
Callandoon Ck at Carana Weir *	5.46m	steady	12:40 PM WED 12/01/11
Callandoon Ck at Oonavale*	6.56m	rising	05:40 PM WED 12/01/11
Macintyre R at Terrewah	6.97m	rising	03:15 PM WED 12/01/11
Weir R at O'Connor *	9.89m	falling	11:50 AM WED 12/01/11
Weir R at Ballymena *	5.34m	rising	11:40 AM WED 12/01/11
Weir R at Gunn Br *	3.79m	rising	12:40 PM WED 12/01/11
Yarrill Ck at Medpark Br *	4.46m	rising	11:30 AM WED 12/01/11
Weir R at Hartmann Br *	3.99m	steady	12:00 PM WED 12/01/11
Weir R at Surrey *	3.57m	steady	05:00 PM WED 12/01/11
Weir R at Talwood	3.2m	falling	09:00 AM WED 12/01/11
Weir R at Talwood *	3.84m	steady	12:50 PM WED 12/01/11
Weir R at Jericho *	3.15m	steady	05:00 PM WED 12/01/11

* from automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 11:39 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

River levels exceeding the 1976 flood levels have been recorded in the Dumaresq River over Tuesday night. Major flooding continues to fall in the Dumaresq River downstream from Bonshaw Weir where record flood levels were recorded Wednesday morning. Major flooding has developed at Booba Sands in the Macintyre River with a peak currently occurring. Moderate to major flooding is rising in the Macintyre River with river levels at Goondiwindi expected to reach around 1996 flood levels during Thursday with further rises possible.

WEIR RIVER:
Major flooding has peaked at O'Connor at 11.85 metres Wednesday morning and is now falling. Rises and major flooding is expected downstream over the next several days. River levels on the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are continuing to fall at Inglewood Bridge on the Macintyre Brook. Major flooding has developed at Booba Sands and is peaking overnight Wednesday.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeds the 1976 flood level by 0.25 metres. River levels peaked at Texas during Wednesday and fast rises are occuring at Glenarbon Weir and Bengalla.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml .

Lower Macintyre River:
Major flood levels are expected along the lower Macintyre River from Glenarbon to Goondiwindi during the next 48 hours.

Flood levels of above 12 metres are expected at Kildonan during Thursday morning with further rises possible.

At Goondiwindi, flood levels are again rising and expected to reach the 1996 flood level of 10.6 metres late Thursday with further rises possible.

Predicted River Heights/Flows:
Macintyre River at:
Goondiwindi Reach around the January 1996 flood level of 10.6 metres late Thursday with further rises possible.

Next Issue:

The next warning will be issued by 11am Thursday.

Latest River Heights:

Severn R at Ashford	4.59m	falling	10:00 PM	WED	12/01/11
Macintyre R at Holdfast	8.34m	falling	09:45 PM	WED	12/01/11
Dumaresq R at Farnbro *	3.06m	falling	02:20 PM	WED	12/01/11
Pike Ck at Glenlyon Dam TW *	2.95m	falling	08:20 PM	WED	12/01/11
Beardy R at Haystack	1.01m	falling	10:45 PM	WED	12/01/11
Dumaresq R at Beardy Junction	6.6m	falling	09:00 PM	WED	12/01/11
Dumaresq R at Bonshaw	7.26m	rising	09:30 PM	WED	12/01/11
Dumaresq R at Texas *	8.46m	steady	08:57 PM	WED	12/01/11
Dumaresq R at Glenarbon Weir *	6.82m	falling	09:45 PM	WED	12/01/11
Macintyre Bk at Coolmunda Dam TW *	1.47m	rising	08:34 PM	WED	12/01/11
Macintyre Bk at Inglewood Br *	7.58m	falling	11:48 AM	WED	12/01/11
Dumaresq R at Bengalla *	8.11m	rising	11:50 AM	WED	12/01/11
Macintyre R at New Kildonan *	7.05m	rising	11:40 AM	WED	12/01/11
Macintyre R at Boggabilla	9.06m	rising	09:30 PM	WED	12/01/11
Macintyre R at Goondiwindi *	8.15m	rising	08:40 PM	WED	12/01/11
Callandoon Ck at Carana Weir *	5.46m	steady	12:40 PM	WED	12/01/11
Callandoon Ck at Oonavale*	6.56m	rising	08:40 PM	WED	12/01/11
Macintyre R at Terrewah	7.06m	steady	09:00 PM	WED	12/01/11
Weir R at O'Connor *	9.89m	falling	11:50 AM	WED	12/01/11
Weir R at Ballymena *	5.34m	rising	11:40 AM	WED	12/01/11
Weir R at Gunn Br *	3.98m	rising	03:40 PM	WED	12/01/11
Yarrill Ck at Medpark Br *	4.46m	rising	11:30 AM	WED	12/01/11
Weir R at Hartmann Br *	3.99m	steady	12:00 PM	WED	12/01/11
Weir R at Surrey *	3.62m	steady	09:00 PM	WED	12/01/11
Weir R at Talwood	3.1m	falling	09:00 PM	WED	12/01/11
Weir R at Talwood *	3.84m	steady	12:50 PM	WED	12/01/11
Weir R at Jericho *	3.14m	steady	08:00 PM	WED	12/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 12:09 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising in the Macintyre River with levels at Goondiwindi
expected to reach above the 1996 record flood peak level of 10.6 metres
overnight.

A peak exceeding the 1976 flood level has been recorded in the Dumaresq River at
Bengalla this morning. Major flooding is easing at Booba Sands in the Macintyre
Brook.

WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and is now falling. Rises with some moderate to major flooding are expected downstream over the next several days. River levels along the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are continuing to fall at Inglewood Bridge on the Macintyre Brook. Major flooding is easing at Booba Sands.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeded the 1976 flood level by 0.25 metres. River levels peaked at Bengalla this morning at 10.95 metres which is above the 1976 flood peak.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml

Lower Macintyre River:
Major flood levels are expected to continue rising along the lower Macintyre River from Kildonan to Goondiwindi during today with record flood peaks forecast during Thursday and overnight.

Flood levels above the 1996 record flood of 12.51 metres are expected at Kildonan during Thursday.

At Goondiwindi, flood levels are expected to rise above the 1996 flood level of 10.6 metres late Thursday.

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: Reach above the 1996 flood level of 12.51 metres during today with record flood levels.

Goondiwindi: Reach above the 1996 flood level of 10.6 metres late Thursday. A record flood peak is expected.

Next Issue:
The next warning will be issued by 2pm Thursday.

Latest River Heights:

Severn R at Ashford	3.4m	falling	09:30 AM THU 13/01/11
Macintyre R at Holdfast	8.42m	rising	09:45 AM THU 13/01/11
Dumaresq R at Farnbro *	3.06m	falling	02:20 PM WED 12/01/11
Pike Ck at Glenlyon Dam TW *	2.66m	steady	08:00 AM THU 13/01/11
Beardy R at Haystack	0.87m	steady	04:30 AM THU 13/01/11
Dumaresq R at Beardy Junction	5.5m	falling	09:00 AM THU 13/01/11
Dumaresq R at Bonshaw	6.23m	falling	09:45 AM THU 13/01/11
Dumaresq R at Texas *	8.46m	steady	08:57 PM WED 12/01/11
Dumaresq R at Glenarbon Weir *	6.14m	rising	09:15 AM THU 13/01/11
Macintyre Bk at Coolmunda Dam TW *	0.31m	falling	08:14 AM THU 13/01/11

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Macintyre Bk at Inglewood Br *     7.58m falling 11:48 AM WED 12/01/11
Dumaresq R at Bengalla *           10.88m steady 09:40 AM THU 13/01/11
Macintyre R at New Kildonan *      9.9m rising   05:00 AM THU 13/01/11
Macintyre R at Boggabilla          10.58m rising 09:30 AM THU 13/01/11
Macintyre R at Goondiwindi *       9.19m rising  08:10 AM THU 13/01/11
Callandoon Ck at Carana Weir *     5.46m steady  12:40 PM WED 12/01/11
Callandoon Ck at Oonavale*         6.53m falling 08:20 AM THU 13/01/11
Macintyre R at Terrewah            7.13m steady  09:15 AM THU 13/01/11
Weir R at O'Connor *               9.89m falling 11:50 AM WED 12/01/11
Weir R at Ballymena *              5.34m rising  11:40 AM WED 12/01/11
Weir R at Gunn Br *                3.98m rising  03:40 PM WED 12/01/11
Yarrill Ck at Medpark Br *         4.46m rising  11:30 AM WED 12/01/11
Weir R at Hartmann Br *            3.99m steady  12:00 PM WED 12/01/11
Weir R at Surrey *                 3.78m steady  08:00 AM THU 13/01/11
Weir R at Talwood                  2.95m falling 09:00 AM THU 13/01/11
Weir R at Talwood *                3.84m steady  12:50 PM WED 12/01/11
Weir R at Jericho *                3.11m steady  08:00 AM THU 13/01/11

*automatic station



Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 2:04 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising in the Macintyre River with levels at Goondiwindi
expected to reach above the 1996 record flood peak level of 10.6 metres
overnight. A peak of 10.85 metres is expected with possible further rises.

A peak exceeding the 1976 flood level has been recorded in the Dumaresq River at
Bengalla this morning. Major flooding is easing at Booba Sands in the Macintyre
Brook.


WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and is now
falling. Rises with some moderate to major flooding are expected downstream over
the next several days. River levels along the Weir River at Gunn Bridge are
expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are continuing to fall at Inglewood Bridge on the Macintyre
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Brook. Major flooding is easing at Booba Sands.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeded the 1976 flood level by 0.25 metres. River levels peaked at Bengalla this morning at 10.95 metres which is above the 1976 flood peak.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml

Lower Macintyre River:
Major flood levels are expected to continue rising along the lower Macintyre River from Kildonan to Goondiwindi during today with record flood peaks forecast during Thursday and overnight.

Flood levels above the 1996 record flood of 12.51 metres are expected at Kildonan during Thursday.

At Goondiwindi, flood levels are expected to rise above the 1996 flood level of 10.6 metres late Thursday. A record flood peak of 10.85 metres is expected with possible further rises.

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: Reach above the 1996 flood level of 12.51 metres during today with record flood levels.

Goondiwindi: Reach above the 1996 flood level of 10.6 metres late Thursday. A record flood peak of 10.85 metres with possible further rises.

Next Issue:
The next warning will be issued by 6pm Thursday.

Latest River Heights:

Severn R at Ashford	3.19m	falling	12:30 PM	THU	13/01/11
Macintyre R at Holdfast	8.28m	falling	11:30 AM	THU	13/01/11
Dumaresq R at Farnbro *	3.06m	falling	02:20 PM	WED	12/01/11
Pike Ck at Glenlyon Dam TW *	2.59m	falling	11:00 AM	THU	13/01/11
Beardy R at Haystack	0.87m	steady	04:30 AM	THU	13/01/11
Dumaresq R at Beardy Junction	5.5m	falling	09:00 AM	THU	13/01/11
Dumaresq R at Bonshaw	5.99m	falling	12:30 PM	THU	13/01/11
Dumaresq R at Texas *	8.46m	steady	08:57 PM	WED	12/01/11
Dumaresq R at Glenarbon Weir *	5.91m	falling	12:45 PM	THU	13/01/11
Macintyre Bk at Coolmunda Dam TW *	0.56m	rising	11:34 AM	THU	13/01/11
Dumaresq R at Bengalla *	10.88m	steady	09:40 AM	THU	13/01/11
Macintyre R at New Kildonan *	9.9m	rising	05:00 AM	THU	13/01/11
Macintyre R at Boggabilla	11.08m	rising	12:45 PM	THU	13/01/11
Macintyre R at Goondiwindi *	9.48m	rising	11:40 AM	THU	13/01/11
Callandoon Ck at Oonavale*	6.54m	steady	11:00 AM	THU	13/01/11
Macintyre R at Terrewah	7.14m	steady	12:00 PM	THU	13/01/11
Weir R at Ballymena *	8.83m	rising	11:50 AM	THU	13/01/11
Weir R at Gunn Br *	3.98m	rising	03:40 PM	WED	12/01/11

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Weir R at Surrey *                  3.81m steady  12:00 PM THU 13/01/11
Weir R at Talwood                   2.95m falling 09:00 AM THU 13/01/11
Weir R at Talwood *                 3.61m falling 11:40 AM THU 13/01/11
Weir R at Jericho *                 3.1m steady   11:00 AM THU 13/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 6:40 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising in the Macintyre River. Flood levels at Goondiwindi
will rise above the record 1996 flood peak level of 10.6 metres this evening. A
peak of 10.85 metres is expected with possible further rises. At 6pm Thursday,
the height at Goondiwindi was 10.1 metres and rising fast.

A peak exceeding the 1976 flood level has been recorded in the Dumaresq River at
Bengalla this morning.


WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and is now
falling. Rises with some moderate to major flooding are expected downstream over
the next several days. River levels along the Weir River at Gunn Bridge are
expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are continuing to fall at Inglewood Bridge on the Macintyre
Brook. Major flooding is easing at Booba Sands.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This
is a new record and exceeded the 1976 flood level by 0.25 metres. River levels
peaked at Bengalla this morning at 10.95 metres which is above the 1976 flood
peak.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including
information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml

Lower Macintyre River:
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Major flood levels are expected to continue rising along the lower Macintyre River from Kildonan to Goondiwindi during today with record flood peaks forecast during Thursday and overnight.

The flood level at Kildonan was 12.77 metres and rising at 6.30pm. This is 0.26 metres above the 1996 record flood of 12.51 metres.

At Goondiwindi, flood levels will rise above the 1996 flood level of 10.6 metres this evening. A record flood peak of 10.85 metres is expected with possible further rises.

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: The flood level at Kildonan was 12.77 metres and rising at 6:30pm Thursday. This is 0.26 metres above the 1996 record flood of 12.51 metres. A peak is expected this evening.

Goondiwindi: Reach above the 1996 flood level of 10.6 metres late Thursday. A record flood peak of 10.85 metres with possible further rises.

Next Issue:
The next warning will be issued by 8pm Thursday.

Latest River Heights:

Severn R at Ashford	3.01m	falling	03:30 PM	THU	13/01/11
Macintyre R at Holdfast	7.32m	falling	06:00 PM	THU	13/01/11
Pike Ck at Glenlyon Dam TW *	2.46m	steady	05:00 PM	THU	13/01/11
Beardy R at Haystack	0.87m	steady	04:30 AM	THU	13/01/11
Dumaresq R at Beardy Junction	5.3m	falling	03:00 PM	THU	13/01/11
Dumaresq R at Bonshaw	5.77m	falling	03:30 PM	THU	13/01/11
Dumaresq R at Texas *	8.46m	steady	08:57 PM	WED	12/01/11
Dumaresq R at Glenarbon Weir *	5.77m	steady	03:15 PM	THU	13/01/11
Macintyre Bk at Coolmunda Dam TW *	0.92m	rising	05:34 PM	THU	13/01/11
Dumaresq R at Bengalla *	10.76m	rising	03:20 PM	THU	13/01/11
Macintyre R at New Kildonan *	12.77m	rising	06:35 PM	THU	13/01/11
Macintyre R at Boggabilla	11.69m	rising	04:45 PM	THU	13/01/11
Macintyre R at Goondiwindi *	10.08m	rising	05:30 PM	THU	13/01/11
Callandoon Ck at Oonavale*	6.52m	falling	05:30 PM	THU	13/01/11
Macintyre R at Terrewah	7.13m	rising	03:00 PM	THU	13/01/11
Weir R at Ballymena *	8.83m	rising	11:50 AM	THU	13/01/11
Weir R at Surrey *	3.85m	steady	05:00 PM	THU	13/01/11
Weir R at Talwood	2.95m	falling	09:00 AM	THU	13/01/11
Weir R at Talwood *	3.61m	falling	11:40 AM	THU	13/01/11
Weir R at Jericho *	3.09m	steady	05:00 PM	THU	13/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 8:14 PM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising in the Macintyre River. Flood levels at Goondiwindi will rise above the record 1996 flood peak level of 10.6 metres this evening. Based on rises observed at Kildonan in the past few hours, a record flood level higher than 10.85 metres is likely overnight at Goondiwindi. At 6pm Thursday, the height at Goondiwindi was 10.1 metres and rising fast.

A peak exceeding the 1976 flood level has been recorded in the Dumaresq River at Bengalla this morning.

WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and is now falling. Rises with some moderate to major flooding are expected downstream over the next several days. River levels along the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels are continuing to fall at Inglewood Bridge on the Macintyre Brook. Major flooding is easing at Booba Sands.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeded the 1976 flood level by 0.25 metres. River levels peaked at Bengalla this morning at 10.95 metres which is above the 1976 flood peak.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml

Lower Macintyre River:
Major flood levels will continue rising along the lower Macintyre River from Kildonan to Goondiwindi with record flood peaks forecast overnight Thursday.

The flood level at Kildonan was 12.85 metres and rising at 7.30pm. This is 0.34 metres above the 1996 record flood of 12.51 metres.

Based on rises observed at Kildonan in the past few hours, a record flood level higher than 10.85 metres is likely overnight at Goondiwindi.

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: The flood level at Kildonan was 12.85 metres and rising at 7:30pm Thursday. This is 0.34 metres above the 1996

record flood of 12.51 metres. A peak is expected overnight.

Goondiwindi: Reach above the 1996 flood level of 10.6 metres overnight Thursday. A record flood level of higher than 10.85 metres is likely.

Next Issue:
The next warning will be issued by midnight Thursday.

Latest River Heights:

Severn R at Ashford	2.83m	falling	06:45 PM THU 13/01/11
Macintyre R at Holdfast	7.32m	falling	06:00 PM THU 13/01/11
Pike Ck at Glenlyon Dam TW *	2.46m	steady	05:00 PM THU 13/01/11
Beardy R at Haystack	0.87m	steady	04:30 AM THU 13/01/11
Dumaresq R at Beardy Junction	5.3m	falling	03:00 PM THU 13/01/11
Dumaresq R at Bonshaw	5.55m	falling	07:15 PM THU 13/01/11
Dumaresq R at Texas *	8.46m	steady	08:57 PM WED 12/01/11
Dumaresq R at Glenarbon Weir *	5.61m	steady	06:45 PM THU 13/01/11
Macintyre Bk at Coolmunda Dam TW *	0.92m	rising	05:34 PM THU 13/01/11
Dumaresq R at Bengalla *	10.76m	rising	03:20 PM THU 13/01/11
Macintyre R at New Kildonan *	12.85m	rising	07:35 PM THU 13/01/11
Macintyre R at Boggabilla	11.91m	rising	06:30 PM THU 13/01/11
Macintyre R at Goondiwindi *	10.08m	rising	05:30 PM THU 13/01/11
Callandoon Ck at Oonavale*	6.52m	falling	05:30 PM THU 13/01/11
Macintyre R at Terrewah	7.13m	steady	06:00 PM THU 13/01/11
Weir R at Ballymena *	8.83m	rising	11:50 AM THU 13/01/11
Weir R at Surrey *	3.85m	steady	05:00 PM THU 13/01/11
Weir R at Talwood	2.95m	falling	09:00 AM THU 13/01/11
Weir R at Talwood *	3.61m	falling	11:40 AM THU 13/01/11
Weir R at Jericho *	3.09m	steady	05:00 PM THU 13/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 12:09 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising in the lower Macintyre River. Flood levels at Goondiwindi will rise above the record 1996 flood peak level of 10.6 metres this evening. Based on rises observed at New Kildonan in the past few hours, a record

flood level higher than 10.85 metres is likely overnight at Goondiwindi. At midnight Thursday, the height at Goondiwindi was 10.53 metres and rising slowly.

A peak exceeding the 1976 flood level has been recorded in the Dumaresq River at Bengalla this morning.

WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and is now falling. Rises with some moderate to major flooding are expected downstream over the next several days. River levels along the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels continue to fall on the Macintyre Brook at Booba Sands.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeded the 1976 flood level by 0.25 metres. River levels peaked at Bengalla Thursday morning at 10.95 metres which is above the 1976 flood peak.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml

Lower Macintyre River:
Major flood levels will continue rising along the lower Macintyre River from Kildonan to Goondiwindi with record flood peaks forecast overnight Thursday.

The flood level at Kildonan was 13.01 metres and steady at 11.55pm. This is 0.5 metres above the 1996 record flood of 12.51 metres.

Based on rises observed at Kildonan in the past few hours, a record flood level higher than 10.85 metres is likely overnight at Goondiwindi.

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: The flood level at Kildonan was 13.01 metres and steady at 11:15pm Thursday. This is 0.5 metres above the 1996 record flood of 12.51 metres. A peak is expected overnight.

Goondiwindi: Reach above the 1996 flood level of 10.6 metres early Friday morning. A record flood level of higher than 10.85 metres is likely.

Next Issue:
The next warning will be issued by 4am Friday.

Latest River Heights:

Severn R at Ashford	2.69m steady	09:30 PM THU 13/01/11
Macintyre R at Holdfast	6.36m falling	10:45 PM THU 13/01/11
Pike Ck at Glenlyon Dam TW *	2.41m falling	08:00 PM THU 13/01/11
Beardy R at Haystack	0.87m steady	04:30 AM THU 13/01/11
Dumaresq R at Beardy Junction	5m falling	09:00 PM THU 13/01/11

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Dumaresq R at Bonshaw               5.43m falling  09:30 PM THU 13/01/11
Dumaresq R at Texas *               6.96m steady   08:51 PM THU 13/01/11
Dumaresq R at Glenarbon Weir *      5.49m falling  09:15 PM THU 13/01/11
Macintyre Bk at Coolmunda Dam TW *  0.62m falling  08:34 PM THU 13/01/11
Macintyre Bk at Inglewood Br *      3.54m falling  08:58 PM THU 13/01/11
Dumaresq R at Bengalla *            10.56m falling 09:00 PM THU 13/01/11
Macintyre R at New Kildonan *       13.01m steady  11:55 PM THU 13/01/11
Macintyre R at Boggabilla           12.19m rising  09:45 PM THU 13/01/11
Macintyre R at Goondiwindi          10.53m rising  12:00 AM FRI 14/01/11
Callandoon Ck at Oonavale*          6.53m rising   08:10 PM THU 13/01/11
Macintyre R at Terrewah             7.13m rising   09:15 PM THU 13/01/11
Weir R at O'Connor *                3.68m falling  04:20 PM THU 13/01/11
Weir R at Ballymena *               9.66m rising   08:50 PM THU 13/01/11
Yarrill Ck at Medpark Br *          5.14m falling  08:40 PM THU 13/01/11
Weir R at Hartmann Br *             4.01m falling  08:00 PM THU 13/01/11
Weir R at Surrey *                  3.88m steady   09:00 PM THU 13/01/11
Weir R at Talwood                   2.9m falling   09:00 PM THU 13/01/11
Weir R at Talwood *                 3.55m falling  08:30 PM THU 13/01/11
Weir R at Jericho *                 3.07m falling  08:10 PM THU 13/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 4:12 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising in the lower Macintyre River. Flood levels at
Goondiwindi will rise above the record 1996 flood peak level of 10.6 metres this
morning. Based on rises observed at New Kildonan in the past few hours, a record
flood level higher than 10.85 metres is likely this morning at Goondiwindi. At
4am Friday, the height at Goondiwindi was 10.6 metres and rising slowly.

A peak exceeding the 1976 flood level has been recorded in the Dumaresq River at
Bengalla Thursday morning.


WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and is now
falling. Rises with some moderate to major flooding are expected downstream over
the next several days. River levels along the Weir River at Gunn Bridge are
expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
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Minor flood levels continue to fall on the Macintyre Brook at Booba Sands.

Dumaresq River:
The Dumaresq River at Bonshaw Weir peaked at 8.12 metres Wednesday morning. This is a new record and exceeded the 1976 flood level by 0.25 metres. River levels peaked at Bengalla Thursday morning at 10.95 metres which is above the 1976 flood peak.

Upper Macintyre (NSW):
A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi:

http://www.bom.gov.au/nsw/index.shtml

Lower Macintyre River:
Major flood levels will continue rising along the lower Macintyre River from Kildonan to Goondiwindi with record flood peaks forecast Friday morning.

The flood level at Kildonan was 13.02 metres and steady at 4:00am. This is 0.51 metres above the 1996 record flood of 12.51 metres.

Based on rises observed at Kildonan in the past few hours, a record flood level higher than 10.85 metres is likely Friday morning at Goondiwindi.

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: The flood level at Kildonan was 13.02 metres and steady at 4:00am Thursday. This is 0.51 metres above the 1996 record flood of 12.51 metres.

Goondiwindi: Reach above the 1996 flood level of 10.6 metres early Friday morning. A record flood level of higher than 10.85 metres is likely.

Next Issue:
The next warning will be issued by 8am Friday.

Latest River Heights:

Severn R at Ashford	2.44m steady	03:30 AM FRI 14/01/11
Macintyre R at Holdfast	5.54m falling	02:45 AM FRI 14/01/11
Pike Ck at Glenlyon Dam TW *	2.3m falling	02:10 AM FRI 14/01/11
Dumaresq R at Beardy Junction	5m falling	09:00 PM THU 13/01/11
Dumaresq R at Bonshaw	5.15m falling	03:30 AM FRI 14/01/11
Dumaresq R at Texas *	6.26m steady	02:39 AM FRI 14/01/11
Dumaresq R at Glenarbon Weir *	5.36m steady	12:15 AM FRI 14/01/11
Macintyre Bk at Coolmunda Dam TW *	0.01m falling	02:34 AM FRI 14/01/11
Macintyre Bk at Inglewood Br *	3.35m falling	02:48 AM FRI 14/01/11
Dumaresq R at Bengalla *	10.32m falling	02:50 AM FRI 14/01/11
Macintyre R at New Kildonan *	13.02m steady	04:00 AM FRI 14/01/11
Macintyre R at Boggabilla	12.34m rising	12:30 AM FRI 14/01/11
Macintyre R at Goondiwindi *	10.6m rising	04:00 AM FRI 14/01/11
Callandoon Ck at Carana Weir *	5.86m steady	10:50 AM THU 13/01/11
Callandoon Ck at Oonavale*	6.54m steady	02:00 AM FRI 14/01/11
Macintyre R at Terrewah	7.12m steady	03:15 AM FRI 14/01/11
Weir R at O'Connor *	3.1m steady	02:20 AM FRI 14/01/11
Weir R at Ballymena *	9.91m rising	02:30 AM FRI 14/01/11
Yarrill Ck at Medpark Br *	4.83m falling	02:40 AM FRI 14/01/11
Weir R at Hartmann Br *	3.99m steady	02:00 AM FRI 14/01/11
Weir R at Surrey *	3.9m steady	03:00 AM FRI 14/01/11
Weir R at Talwood	2.9m falling	09:00 PM THU 13/01/11

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Weir R at Talwood *                3.53m falling  01:00 AM FRI 14/01/11
Weir R at Jericho *                3.05m falling  02:00 AM FRI 14/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 7:28 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is continuing along the lower Macintyre River. Flood levels at
Goondiwindi are now above the 1996 flood peak level of 10.6 metres. Based on
rises observed at Kildonan overnight, a record flood level of 10.85 metres or
possibly higher is likely during Friday at Goondiwindi.

WEIR RIVER:
Major flooding peaked at O'Connor at 11.85 metres Wednesday morning and
continues to fall. Rises with some moderate to major flooding are expected
downstream over the next several days. River levels along the Weir River at Gunn
Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels continue to fall on the Macintyre Brook at Booba Sands.

Macintyre River:
Major flood levels will continue this morning with record flood levels.

The flood level at Kildonan was 12.97 metres and falling at 7:00am. A flood peak
of 13.05 metres was recorded overnight. This was 0.53 metres over the previous
record.

Based on rises observed at Kildonan overnight, a record flood level of 10.85
metres or possibly higher is likely during Friday at Goondiwindi.

A major flood warning is current for the upper Macintyre in NSW including
information for Boggabilla and Mungindi:  http://www.bom.gov.au/nsw/index.shtml


Predicted River Heights/Flows:
Macintyre River at:

Kildonan:           Gradually fall through Friday.

Goondiwindi:        Rises continuing this morning. Record flood peak today
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of 10.85 metres, possibly higher.

Next Issue:
The next warning will be issued by noon Friday.

Latest River Heights:

Severn R at Ashford	2.33m steady	06:30 AM FRI 14/01/11
Macintyre R at Holdfast	4.77m falling	06:45 AM FRI 14/01/11
Dumaresq R at Beardy Junction	4.6m falling	06:00 AM FRI 14/01/11
Dumaresq R at Bonshaw	5.04m steady	06:30 AM FRI 14/01/11
Dumaresq R at Texas *	5.96m steady	05:39 AM FRI 14/01/11
Dumaresq R at Glenarbon Weir *	5.1m falling	06:15 AM FRI 14/01/11
Macintyre Bk at Coolmunda Dam TW *	0.01m steady	05:34 AM FRI 14/01/11
Macintyre Bk at Inglewood Br *	2.7m falling	05:49 AM FRI 14/01/11
Dumaresq R at Bengalla *	10.19m falling	05:40 AM FRI 14/01/11
Macintyre R at New Kildonan *	12.97m falling	05:50 AM FRI 14/01/11
Macintyre R at Boggabilla	12.53m rising	06:30 AM FRI 14/01/11
Macintyre R at Goondiwindi *	10.6m rising	05:20 AM FRI 14/01/11
Callandoon Ck at Carana Weir *	6.17m steady	05:00 AM FRI 14/01/11
Callandoon Ck at Oonavale*	6.55m steady	05:00 AM FRI 14/01/11
Macintyre R at Terrewah	7.12m steady	06:00 AM FRI 14/01/11
Weir R at O'Connor *	2.98m falling	05:30 AM FRI 14/01/11
Weir R at Ballymena *	9.97m rising	05:30 AM FRI 14/01/11
Weir R at Gunn Br *	6.95m rising	05:30 AM FRI 14/01/11
Yarrill Ck at Medpark Br *	4.62m falling	05:40 AM FRI 14/01/11
Weir R at Hartmann Br *	3.98m falling	05:00 AM FRI 14/01/11
Weir R at Surrey *	3.91m steady	05:00 AM FRI 14/01/11
Weir R at Talwood	2.9m falling	09:00 PM THU 13/01/11
Weir R at Talwood *	3.52m falling	04:20 AM FRI 14/01/11
Weir R at Jericho *	3.04m steady	05:00 AM FRI 14/01/11

*automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 12:18 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is continuing along the lower Macintyre River. Flood levels at
Goondiwindi are now above the 1996 flood peak level of 10.6 metres. Based on
rises observed at Kildonan overnight, a record flood level of 10.85 metres or
possibly higher is likely during Friday afternoon at Goondiwindi.

WEIR RIVER:
Major flooding peaked at Ballymena at 9.97 metres Friday morning and continues

to fall. Rises with major flooding are expected downstream over the next several days. River levels along the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels continue to fall on the Macintyre Brook at Booba Sands.

Macintyre River:
Major flood levels will continue this afternoon with record flood levels.

The flood level at Kildonan was 12.83 metres and falling at 11:40am. A flood peak of 13.05 metres was recorded overnight. This was 0.53 metres over the previous record.

Based on rises observed at Kildonan overnight, a record flood level of 10.85 metres or possibly higher is likely during Friday at Goondiwindi.

A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi: http://www.bom.gov.au/nsw/index.shtml

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: Gradually fall through Friday.

Goondiwindi: Rises continuing this afternoon. Record flood peak today of 10.85 metres, possibly higher.

Next Issue:
The next warning will be issued by 4pm Friday.

Latest River Heights:

Severn R at Ashford	2.22m	steady	09:30 AM FRI 14/01/11
Macintyre R at Holdfast	4.11m	falling	11:00 AM FRI 14/01/11
Pike Ck at Glenlyon Dam TW *	2.18m	steady	08:00 AM FRI 14/01/11
Dumaresq R at Beardy Junction	4.6m	falling	09:00 AM FRI 14/01/11
Dumaresq R at Bonshaw	4.94m	steady	09:30 AM FRI 14/01/11
Dumaresq R at Texas *	5.71m	steady	08:20 AM FRI 14/01/11
Dumaresq R at Glenarbon Weir *	4.97m	falling	09:15 AM FRI 14/01/11
Macintyre Bk at Coolmunda Dam TW *	0.87m	rising	08:14 AM FRI 14/01/11
Macintyre Bk at Inglewood Br *	2.41m	falling	08:29 AM FRI 14/01/11
Dumaresq R at Bengalla *	10.04m	falling	08:30 AM FRI 14/01/11
Macintyre R at New Kildonan *	12.83m	falling	11:40 AM FRI 14/01/11
Macintyre R at Boggabilla	12.54m	rising	12:00 PM FRI 14/01/11
Macintyre R at Goondiwindi *	10.64m	rising	12:00 PM FRI 14/01/11
Callandoon Ck at Carana Weir *	6.2m	steady	08:00 AM FRI 14/01/11
Callandoon Ck at Oonavale*	6.56m	rising	08:00 AM FRI 14/01/11
Macintyre R at Terrewah	7.11m	steady	09:15 AM FRI 14/01/11
Weir R at O'Connor *	2.89m	steady	08:00 AM FRI 14/01/11
Weir R at Ballymena *	9.97m	steady	08:20 AM FRI 14/01/11
Weir R at Gunn Br *	7.07m	falling	08:30 AM FRI 14/01/11
Yarrill Ck at Medpark Br *	4.44m	falling	08:20 AM FRI 14/01/11
Weir R at Hartmann Br *	3.96m	falling	08:00 AM FRI 14/01/11
Weir R at Surrey *	3.91m	steady	08:00 AM FRI 14/01/11
Weir R at Talwood	2.85m	falling	09:00 AM FRI 14/01/11
Weir R at Talwood *	3.51m	steady	08:00 AM FRI 14/01/11
Weir R at Jericho *	3.04m	steady	08:00 AM FRI 14/01/11

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 4:05 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is continuing along the lower Macintyre River. Flood levels at Goondiwindi are now steady at a record level of 10.64 metres, above the 1996 flood peak level of 10.6 metres. A record flood level of 10.64 metres is being observed at Goondiwindi with further rises possible during Friday evening.

WEIR RIVER:
Major flooding peaked at Ballymena at 9.97 metres Friday morning and continues to fall. Rises with major flooding are expected downstream over the next several days. River levels along the Weir River at Gunn Bridge are expected to rise to around 7.5 metres by Saturday.

MACINTYRE RIVER CATCHMENT:

Macintyre Brook:
Minor flood levels continue to fall on the Macintyre Brook at Booba Sands.

Macintyre River:
Major flood levels will continue this afternoon with record flood levels.

The flood level at Kildonan was 12.67 metres and falling at 2:40pm. A flood peak of 13.05 metres was recorded overnight. This was 0.53 metres over the previous record.

A record flood level of 10.64 metres is being observed at Goondiwindi with further rises possible during Friday evening.

A major flood warning is current for the upper Macintyre in NSW including information for Boggabilla and Mungindi: http://www.bom.gov.au/nsw/index.shtml

Predicted River Heights/Flows:
Macintyre River at:

Kildonan: Gradually fall through Friday.

Goondiwindi: Steady at record flood level of 10.64 metres with further rises possible this evening.

Next Issue:
The next warning will be issued by 8pm Friday.

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Latest River Heights:
Severn R at Ashford                 2.13m steady   12:30 PM FRI 14/01/11
Macintyre R at Holdfast             3.66m falling  02:45 PM FRI 14/01/11
Pike Ck at Glenlyon Dam TW *        2.07m steady   02:00 PM FRI 14/01/11
Dumaresq R at Beardy Junction       4.3m falling   02:50 PM FRI 14/01/11
Dumaresq R at Bonshaw               4.84m falling  12:30 PM FRI 14/01/11
Dumaresq R at Texas *               5.21m steady   02:39 PM FRI 14/01/11
Dumaresq R at Glenarbon Weir *      4.82m falling  12:15 PM FRI 14/01/11
Macintyre Bk at Coolmunda Dam TW *  0.62m falling  02:34 PM FRI 14/01/11
Macintyre Bk at Inglewood Br *      3.53m rising   02:53 PM FRI 14/01/11
Dumaresq R at Bengalla *            9.7m falling   02:40 PM FRI 14/01/11
Macintyre R at New Kildonan *       12.67m falling 02:40 PM FRI 14/01/11
Macintyre R at Boggabilla           12.51m falling 03:15 PM FRI 14/01/11
Macintyre R at Goondiwindi          10.64m steady  03:00 PM FRI 14/01/11
Callandoon Ck at Carana Weir *      6.24m steady   02:00 PM FRI 14/01/11
Callandoon Ck at Oonavale*          6.59m steady   02:00 PM FRI 14/01/11
Macintyre R at Terrewah             7.1m steady    12:30 PM FRI 14/01/11
Weir R at O'Connor *                2.69m falling  02:10 PM FRI 14/01/11
Weir R at Retreat Br *              5.3m falling   02:40 PM FRI 14/01/11
Weir R at Ballymena *               9.71m falling  02:40 PM FRI 14/01/11
Weir R at Gunn Br *                 7.25m rising   02:10 PM FRI 14/01/11
Yarrill Ck at Medpark Br *          3.96m falling  02:40 PM FRI 14/01/11
Weir R at Hartmann Br *             3.94m rising   02:30 PM FRI 14/01/11
Weir R at Surrey *                  3.91m steady   03:00 PM FRI 14/01/11
Weir R at Talwood                   2.85m falling  09:00 AM FRI 14/01/11
Weir R at Talwood *                 3.5m steady    12:00 PM FRI 14/01/11
Weir R at Jericho *                 3.02m steady   02:00 PM FRI 14/01/11

*automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20835

Australian Government Bureau of Meteorology
Queensland

PRIORITY - FOR IMMEDIATE BROADCAST
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 7:56 PM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Record major flood levels at Goondiwindi have remained steady at a record level
of 10.64 metres with further small rises possible during Friday evening. This is
above the 1996 flood peak level of 10.6 metres.

MACINTYRE RIVER:
Record major flood levels of 10.64 metres have remained steady from 7am through
to 7pm Friday at Goondiwindi.

A major flood warning is current for the Macintyre River in NSW including
information for Boggabilla and Mungindi:
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http://www.bom.gov.au/nsw/index.shtml

WEIR RIVER:
River level rises causing major flooding are likely downstream from Gunn Bridge
during the next few days. Major flood levels are forecast to peak around 7.5
metres during Saturday.

Predicted River Heights/Flows:
Macintyre River at:

Goondiwindi:        Steady at record flood level of 10.64 metres with
         further rises possible this evening.

Next Issue:
The next warning will be issued by 8am Saturday.

Latest River Heights:
Macintyre R at Holdfast          3.28m falling  07:00 PM FRI 14/01/11
Dumaresq R at Glenarbon Weir *   4.56m falling  06:15 PM FRI 14/01/11
Macintyre Bk at Inglewood Br *   3.33m falling  05:48 PM FRI 14/01/11
Dumaresq R at Bengalla *         9.56m falling  05:50 PM FRI 14/01/11
Macintyre R at New Kildonan *   12.55m falling  05:50 PM FRI 14/01/11
Macintyre R at Boggabilla       12.47m falling  06:15 PM FRI 14/01/11
Macintyre R at Goondiwindi      10.64m steady   05:40 PM FRI 14/01/11
Callandoon Ck at Carana Weir *   6.24m steady   05:00 PM FRI 14/01/11
Callandoon Ck at Oonavale*       6.60m steady   05:00 PM FRI 14/01/11
Macintyre R at Terrewah          7.09m rising   06:45 PM FRI 14/01/11

Weir R at O'Connor *             2.62m falling  05:20 PM FRI 14/01/11
Weir R at Retreat Br *           4.64m falling  06:00 PM FRI 14/01/11
Weir R at Ballymena *            9.47m falling  05:40 PM FRI 14/01/11
Weir R at Gunn Br *              7.29m rising   05:40 PM FRI 14/01/11
Yarrill Ck at Medpark Br *       3.72m falling  05:40 PM FRI 14/01/11
Weir R at Hartmann Br *          3.94m steady   05:00 PM FRI 14/01/11
Weir R at Surrey *               3.9m steady    06:00 PM FRI 14/01/11
Weir R at Talwood                2.85m falling  09:00 AM FRI 14/01/11
Weir R at Talwood *              3.50m steady   04:00 PM FRI 14/01/11
Weir R at Jericho *              3.01m steady   05:00 PM FRI 14/01/11

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 8:13 AM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Record major flood levels at Goondiwindi have peaked at 10.64 metres overnight.
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At 6am Saturday, the flood level at Goodniwindi was 10.56 and falling slowly.
Flood levels are expected to remain above 9.5 metres until overnight Sunday.

MACINTYRE RIVER:
Record major flood levels at Goondiwindi have peaked at 10.64 metres overnight.
At 6am Saturday, the flood level at Goodniwindi was 10.56 and falling slowly.
Flood levels are expected to remain above 9.5 metres until overnight Sunday.

Major flood levels will continue into next week along Callandoon Creek and through next week at Terrewah on the Macintyre River.

A major flood warning is current for the Macintyre River in NSW including information for Boggabilla and Mungindi:
http://www.bom.gov.au/nsw/index.shtml

WEIR RIVER:
River level rises causing major flooding are predicted downstream from Gunn Bridge during the weekend. Major flood levels peaked at Gunn Bridge at 7.3 metres yesterday evening.

A flood peak around 5.5 metres at Giddi Giddi is expected overnight Sunday.
Flood levels at Talwood will rise next week to a peak of about 3.75 metres late next week.

Predicted River Heights/Flows:
Macintyre River at:

Goondiwindi: Fall slowly through the weekend.

Talwood: Rise to 3.5 metres late next week.

Next Issue:
The next warning will be issued by 3pm Saturday.

Latest River Heights:

Severn R at Ashford	1.74m	steady	06:30 AM SAT 15/01/11
Macintyre R at Holdfast	2.62m	falling	06:30 AM SAT 15/01/11
Pike Ck at Glenlyon Dam TW *	1.83m	falling	05:20 AM SAT 15/01/11
Beardy R at Haystack	0.75m	steady	02:30 AM SAT 15/01/11
Dumaresq R at Beardy Junction	4.3m	falling	02:50 PM FRI 14/01/11
Dumaresq R at Bonshaw	4.39m	steady	06:30 AM SAT 15/01/11
Dumaresq R at Texas *	4.41m	steady	05:42 AM SAT 15/01/11
Dumaresq R at Glenarbon Weir *	3.39m	falling	06:30 AM SAT 15/01/11
Macintyre Bk at Coolmunda Dam TW *	0.01m	steady	05:34 AM SAT 15/01/11
Macintyre Bk at Inglewood Br *	2.27m	falling	05:49 AM SAT 15/01/11
Dumaresq R at Bengalla *	9.01m	falling	05:50 AM SAT 15/01/11
Macintyre R at New Kildonan *	11.77m	falling	05:50 AM SAT 15/01/11
Macintyre R at Boggabilla	12.26m	falling	06:30 AM SAT 15/01/11
Macintyre R at Goondiwindi *	10.56m	rising	05:00 AM SAT 15/01/11
Callandoon Ck at Carana Weir *	6.26m	steady	05:00 AM SAT 15/01/11
Callandoon Ck at Oonavale*	6.67m	steady	05:00 AM SAT 15/01/11
Macintyre R at Terrewah	7.11m	steady	06:15 AM SAT 15/01/11
Weir R at O'Connor *	2.37m	falling	05:30 AM SAT 15/01/11
Weir R at Retreat Br *	4.64m	falling	06:00 PM FRI 14/01/11
Weir R at Ballymena *	7.82m	falling	05:40 AM SAT 15/01/11
Weir R at Gunn Br *	7.26m	rising	05:20 AM SAT 15/01/11
Yarrill Ck at Medpark Br *	3.18m	falling	05:30 AM SAT 15/01/11
Weir R at Hartmann Br *	3.98m	steady	05:20 AM SAT 15/01/11
Weir R at Surrey *	3.87m	steady	06:00 AM SAT 15/01/11
Weir R at Talwood	2.83m	steady	09:00 PM FRI 14/01/11

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Weir R at Talwood *                3.51m steady   04:00 AM SAT 15/01/11
Weir R at Jericho *                2.97m steady   05:00 AM SAT 15/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
Issued at 3:36 PM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Record major flood levels at Goondiwindi peaked at 10.64 metres overnight. At
noon Saturday, the flood level at Goondiwindi was 10.45 and falling slowly.
Flood levels are expected to remain above 9.5 metres until overnight Sunday.

MACINTYRE RIVER:
Record major flood levels at Goondiwindi peaked at 10.64 metres overnight. At
noon Saturday, the flood level at Goondiwindi was 10.45 and falling slowly.
Flood levels are expected to remain above 9.5 metres until overnight Sunday.

Major flood levels will continue into next week along Callandoon Creek and
through next week at Terrewah on the Macintyre River.

A major flood warning is current for the Macintyre River in NSW including
information for Boggabilla,Mungindi and Terrewah:
http://www.bom.gov.au/nsw/index.shtml

WEIR RIVER:
River level rises causing major flooding are predicted downstream from Gunn
Bridge during the weekend. Major flood levels peaked at Gunn Bridge at 7.3
metres yesterday evening.

A flood peak around 5.5 metres at Giddi Giddi is expected overnight Sunday.
Flood levels at Talwood will rise next week to a peak of about 3.75 metres late
next week.

River levels along the lower Weir river could be affected by the record flood in
the Macintyre River. Unexpected movements of water across the floodplain are
possible this week from the Talwood area downstream to Mascot and Jericho. A
return to major flood levels at Jericho is expected this week.



Predicted River Heights/Flows:
Macintyre River at:

Goondiwindi:        Fall slowly through the weekend.
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Talwood: Rise to 3.75 metres late next week.

Next Issue:
The next warning will be issued by 10am Sunday.

Latest River Heights:

Severn R at Ashford	1.62m steady	03:30 PM SAT 15/01/11
Macintyre R at Holdfast	2.36m falling	01:45 PM SAT 15/01/11
Pike Ck at Glenlyon Dam TW *	1.7m falling	02:30 PM SAT 15/01/11
Beardy R at Haystack	0.75m steady	02:30 AM SAT 15/01/11
Dumaresq R at Beardy Junction	4m falling	09:00 AM SAT 15/01/11
Dumaresq R at Bonshaw	4.22m steady	02:45 PM SAT 15/01/11
Dumaresq R at Texas *	4.06m steady	02:39 PM SAT 15/01/11
Dumaresq R at Glenarbon Weir *	2.8m steady	03:15 PM SAT 15/01/11
Macintyre Bk at Coolmunda Dam TW *	0.17m falling	02:34 PM SAT 15/01/11
Macintyre Bk at Inglewood Br *	2.2m falling	02:48 PM SAT 15/01/11
Dumaresq R at Bengalla *	8.22m falling	02:50 PM SAT 15/01/11
Macintyre R at New Kildonan *	10.89m falling	02:50 PM SAT 15/01/11
Macintyre R at Boggabilla	11.96m falling	03:30 PM SAT 15/01/11
Macintyre R at Goondiwindi *	10.42m falling	02:40 PM SAT 15/01/11
Callandoon Ck at Carana Weir *	6.26m steady	02:00 PM SAT 15/01/11
Callandoon Ck at Oonavale*	6.69m steady	11:00 AM SAT 15/01/11
Macintyre R at Terrewah	7.2m rising	03:00 PM SAT 15/01/11
Weir R at O'Connor *	2.23m steady	02:10 PM SAT 15/01/11
Weir R at Retreat Br *	4.64m falling	06:00 PM FRI 14/01/11
Weir R at Ballymena *	5.99m falling	02:40 PM SAT 15/01/11
Weir R at Gunn Br *	6.85m rising	02:50 PM SAT 15/01/11
Yarrill Ck at Medpark Br *	2.78m falling	02:40 PM SAT 15/01/11
Weir R at Hartmann Br *	4.12m steady	02:30 PM SAT 15/01/11
Weir R at Surrey *	3.82m steady	03:00 PM SAT 15/01/11
Weir R at Talwood	2.84m steady	09:00 AM SAT 15/01/11
Weir R at Talwood *	3.52m steady	12:00 PM SAT 15/01/11
Weir R at Jericho *	2.95m falling	02:20 PM SAT 15/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
Issued at 9:57 AM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Macintyre River between Goondiwindi and
Terrewah, where river levels at Goondiwindi continue to ease during Sunday.
Minor to moderate flooding continues along the lower Weir River, with the flood
peak currently in the Giddi Giddi area.

LOWER MACINTYRE RIVER:
Moderate to major flooding continues along the lower Macintyre River downstream from the Kildonan area through to Terrewah. At 8:20am Sunday, the river level at Goondiwindi was 9.63 and falling slowly with major flooding. Flood levels are expected to further ease below 9.5 metres early Sunday afternoon. The flood peak is currently approaching the Terrewah area.

Major flooding continues along Callandoon Creek.

A major flood warning is current for the Macintyre River in NSW including information for Terrewah and Mungindi: http://www.bom.gov.au/nsw/index.shtml

LOWER WEIR RIVER:
River level rises causing moderate to major flooding is occurring in the lower Weir River at Giddi Giddi, where a flood peak around 5.5 metres is expected overnight Sunday. River levels at Talwood will rise again with minor flood levels during this week, and higher levels and moderate flooding expected later this week.

River levels along the lower Weir river could be affected by the record flood in the Macintyre River. Unexpected movements of water across the floodplain are possible this week from the Talwood area downstream to Mascot and Jericho. A return to major flood levels at Jericho is expected this week.

Predicted River Heights/Flows:
Macintyre River at:

Goondiwindi Fall slowly through the weekend.

Weir River at:

Talwood Rises to 3.75 metres (moderate) later this week.

Weather Forecast:
Isolated showers and isolated afternoon thunderstorms.

Next Issue:
The next warning will be issued by 10am Monday.

Latest River Heights:

Macintyre R at Holdfast	1.87m steady	09:00 AM SUN 16/01/11
Dumaresq R at Farnbro *	1.91m falling	08:00 AM SUN 16/01/11
Beardy R at Haystack	0.75m steady	07:45 AM SUN 16/01/11
Dumaresq R at Bonshaw	3.97m steady	07:15 AM SUN 16/01/11
Dumaresq R at Texas *	3.46m falling	08:19 AM SUN 16/01/11
Dumaresq R at Glenarbon Weir *	2.26m falling	06:45 AM SUN 16/01/11
Dumaresq R at Bengalla *	5.95m falling	08:40 AM SUN 16/01/11
Macintyre R at New Kildonan *	8.68m falling	08:50 AM SUN 16/01/11
Macintyre R at Boggabilla	11.03m falling	06:30 AM SUN 16/01/11
Macintyre R at Goondiwindi *	9.63m falling	08:20 AM SUN 16/01/11
Callandoon Ck at Carana Weir *	6.24m steady	08:00 AM SUN 16/01/11
Callandoon Ck at Oonavale*	6.72m steady	05:00 AM SUN 16/01/11
Macintyre R at Terrewah	7.39m rising slowly	06:15 AM SUN 16/01/11
Weir R at O'Connor *	2.05m falling	08:00 AM SUN 16/01/11
Weir R at Ballymena *	3.19m falling	08:20 AM SUN 16/01/11
Weir R at Gunn Br *	4.35m falling	08:20 AM SUN 16/01/11
Yarrill Ck at Medpark Br *	2.1m falling	08:10 AM SUN 16/01/11

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Weir R at Giddi Giddi South *     NA
Weir R at Hartmann Br *           4.45m rising         08:00 AM SUN 16/01/11
Weir R at Surrey *                3.93m rising slowly  08:40 AM SUN 16/01/11
Weir R at Talwood                 2.88m steady         09:00 AM SUN 16/01/11
Weir R at Talwood *               3.54m steady         08:00 AM SUN 16/01/11
Weir R at Jericho *               2.93m falling slowly 08:00 AM SUN 16/01/11
Weir R at Mascot *                NA

* denotes automatic station.

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IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
Issued at 8:41 AM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding continues along the lower Macintyre River downstream of
Goondiwindi to Terrewah. Minor to moderate flooding continues along the lower
Weir River, with the flood peak currently approaching the Hartmann area.

LOWER MACINTYRE RIVER:
Moderate to major flooding continues along the lower Macintyre River downstream
from the Kildonan area through to Terrewah. The flood peak is currently
approaching the Terrewah area with major flood levels.

Major flooding will start to ease along Callandoon Creek at Carana Weir today.

A major flood warning is current for the Macintyre River in NSW including
information for Terrewah and Mungindi: http://www.bom.gov.au/nsw/index.shtml

LOWER WEIR RIVER:
River level rises causing moderate to major flooding are occurring in the lower
Weir River. The flood peak is currently approaching the Hartmann area. River
levels at Talwood will rise again with minor flood levels during Tuesday and
higher levels to 3.75 metres and moderate flooding expected later this week.
High level major flood levels are expected at Jericho this week.

River levels along the lower Weir river could be affected by the record flood in
the Macintyre River. Unexpected movements of water across the flood plain are
possible this week from the Talwood area downstream to Mascot and Jericho.



Predicted River Heights/Flows:

Weir River at:

Talwood                 Rises to 3.75 metres (moderate) later this week.
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Next Issue:
The next warning will be issued by 10am Tuesday.

Latest River Heights:

Severn R at Ashford	1.27m steady	07:30 AM MON 17/01/11
Macintyre R at Holdfast	1.52m steady	06:30 AM MON 17/01/11
Dumaresq R at Farnbro *	1.84m falling	05:10 AM MON 17/01/11
Pike Ck at Glenlyon Dam TW *	1.29m falling	05:00 AM MON 17/01/11
Beardy R at Haystack	0.74m steady	05:00 AM MON 17/01/11
Dumaresq R at Bonshaw	3.76m steady	07:15 AM MON 17/01/11
Dumaresq R at Texas *	2.96m falling	05:39 AM MON 17/01/11
Dumaresq R at Glenarbon Weir *	1.8m steady	07:15 AM MON 17/01/11
Macintyre Bk at Coolmunda Dam TW *	0.01m steady	05:34 AM MON 17/01/11
Macintyre Bk at Inglewood Br *	2.14m steady	05:49 AM MON 17/01/11
Dumaresq R at Bengalla *	4.63m rising	05:50 AM MON 17/01/11
Macintyre R at New Kildonan *	5.85m steady	05:50 AM MON 17/01/11
Macintyre R at Boggabilla	7.57m falling	07:45 AM MON 17/01/11
Macintyre R at Goondiwindi *	7.61m falling	05:40 AM MON 17/01/11
Callandoon Ck at Carana Weir *	6.09m falling	05:00 AM MON 17/01/11
Callandoon Ck at Oonavale*	6.69m steady	05:00 AM MON 17/01/11
Macintyre R at Terrewah	7.41m steady	10:00 AM SUN 16/01/11
Weir R at O'Connor *	1.91m falling	05:00 AM MON 17/01/11
Weir R at Ballymena *	2.4m steady	05:10 AM MON 17/01/11
Weir R at Gunn Br *	1.91m falling	05:30 AM MON 17/01/11
Yarrill Ck at Medpark Br *	1.61m falling	05:10 AM MON 17/01/11
Weir R at Hartmann Br *	4.86m rising	05:40 AM MON 17/01/11
Weir R at Surrey *	4.35m rising	05:40 AM MON 17/01/11
Weir R at Talwood	2.88m rising slowly	09:00 AM SUN 16/01/11
Weir R at Talwood *	3.59m steady	04:00 AM MON 17/01/11
Weir R at Jericho *	3.01m steady	05:30 AM MON 17/01/11

*automatic station

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IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
Issued at 10:07 AM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the lower Macintyre River in the
Goondiwindi area. Minor to moderate flooding continues along the lower Weir
River, with the flood peak currently approaching the Hartmann area. Major
flooding is rising further downstream at Jericho.

LOWER MACINTYRE RIVER:

Minor flooding continues to ease along the lower Macintyre River between the Kildonan area and Goondiwindi. The flood peak is currently in the Terrewah area with major flooding.

Moderate flooding is easing along Callandoon Creek at Carana Weir.

A major flood warning is current for the Macintyre River in NSW including information for Terrewah and Mungindi: http://www.bom.gov.au/nsw/index.shtml

LOWER WEIR RIVER:
River level rises causing moderate to major flooding are occurring in the lower Weir River. The flood peak is currently approaching the Hartmann Bridge area. Minor flooding is rising at Talwood with higher levels and moderate flooding expected later this week. At Major flooding is occurring downstream at Jericho.

River levels along the lower Weir river could be affected by the record flood in the Macintyre River. Unexpected movements of water across the flood plain are possible this week from the Talwood area downstream to Mascot and Jericho.

Predicted River Heights/Flows:

Weir River at:

Talwood Exceed 3.5 metres (moderate) later this week.

Next Issue:
The next warning will be issued by 10am Wednesday.

Latest River Heights:

Macintyre R at Holdfast	1.25m steady	08:00 AM TUE 18/01/11
Dumaresq R at Bonshaw	3.6m steady	08:00 AM TUE 18/01/11
Dumaresq R at Texas *	2.51m falling	08:19 AM TUE 18/01/11
Dumaresq R at Glenarbon Weir *	1.51m steady	08:15 AM TUE 18/01/11
Dumaresq R at Bengalla *	3.65m falling	08:20 AM TUE 18/01/11
Macintyre R at New Kildonan *	4.51m falling	08:50 AM TUE 18/01/11
Macintyre R at Boggabilla	5.28m falling	08:30 AM TUE 18/01/11
Macintyre R at Goondiwindi *	5.76m falling	08:20 AM TUE 18/01/11
Callandoon Ck at Carana Weir *	5.26m falling	08:00 AM TUE 18/01/11
Callandoon Ck at Oonavale*	6.64m steady	05:00 AM TUE 18/01/11
Macintyre R at Terrewah	NA	
Weir R at O'Connor *	1.82m falling	08:00 AM TUE 18/01/11
Weir R at Retreat Br *	1.59m steady	07:00 AM TUE 18/01/11
Weir R at Ballymena *	2.06m steady	08:00 AM TUE 18/01/11
Weir R at Gunn Br *	1.31m falling	08:00 AM TUE 18/01/11
Yarrill Ck at Medpark Br *	1.27m steady	08:00 AM TUE 18/01/11
Weir R at Hartmann Br *	5.32m steady	08:00 AM TUE 18/01/11
Weir R at Surrey *	4.99m rising	08:30 AM TUE 18/01/11
Weir R at Talwood	3.07m rising	09:00 AM TUE 18/01/11
Weir R at Talwood *	3.74m rising	08:10 AM TUE 18/01/11
Weir R at Jericho *	3.32m steady	08:00 AM TUE 18/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
Issued at 9:55 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the lower Macintyre River in the Goondiwindi area. Moderate to major flooding continues along the lower Weir River between Giddi Giddi and Surrey, with the flood peak in the Hartmann Bridge area. Major flooding is rising further downstream at Jericho.

LOWER MACINTYRE RIVER:
Minor flooding continues to slowly ease along the lower Macintyre River between the Kildonan area and Goondiwindi. Minor flooding is also easing along Callandoon Creek at Carana Weir.

A major flood warning is current for the Macintyre River in NSW including information for Terrewah and Mungindi: http://www.bom.gov.au/nsw/index.shtml .

LOWER WEIR RIVER:
Moderate to major flooding is occurring in the lower Weir River between Giddi Giddi and Surrey, where the flood peak is currently in the Hartmann Bridge area. Minor flooding continues to rise at Talwood with higher levels and moderate to major flooding expected later this week. Major flooding continues to slowly rise downstream at Jericho.

River levels along the lower Weir river could be affected by the record flood in the Macintyre River. Unexpected movements of water across the flood plain are possible this week from the Talwood area downstream to Mascot and Jericho.

Predicted River Heights/Flows:

Weir River at:

Talwood Exceed 3.5 metres (moderate) during Wednesday.
         Peak near 4.0 metres (major) during the weekend.

Weather Forecast:
Scattered afternoon showers, with a possible thunderstorm.

Next Issue:
The next warning will be issued by 10am Thursday.

Latest River Heights:

Macintyre R at Holdfast	1.11m steady	09:00 AM WED 19/01/11
Dumaresq R at Farnbro *	1.72m steady	08:00 AM WED 19/01/11
Dumaresq R at Bonshaw	3.49m steady	09:15 AM WED 19/01/11
Dumaresq R at Texas *	2.21m falling	08:19 AM WED 19/01/11
Dumaresq R at Glenarbon Weir *	1.33m steady	09:00 AM WED 19/01/11
Dumaresq R at Bengalla *	3.16m steady	08:00 AM WED 19/01/11
Macintyre R at New Kildonan *	4m falling	08:50 AM WED 19/01/11
Macintyre R at Boggabilla	4.69m steady	09:15 AM WED 19/01/11
Macintyre R at Goondiwindi *	5.1m falling	08:10 AM WED 19/01/11
Callandoon Ck at Carana Weir *	4.46m falling	08:00 AM WED 19/01/11
Callandoon Ck at Oonavale*	6.56m rising	05:10 AM WED 19/01/11

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Macintyre R at Terrewah            NA

Weir R at O'Connor *               1.74m falling  08:00 AM WED 19/01/11
Weir R at Ballymena *              2.08m falling  08:00 AM WED 19/01/11
Weir R at Gunn Br *                1.61m falling  08:20 AM WED 19/01/11
Yarrill Ck at Medpark Br *         1.11m falling  08:00 AM WED 19/01/11
Weir R at Giddi Giddi South *      NA
Weir R at Hartmann Br *            5.54m steady   08:00 AM WED 19/01/11
Weir R at Surrey *                 5.49m steady   08:00 AM WED 19/01/11
Weir R at Talwood                  3.16m rising   09:00 PM TUE 18/01/11
Weir R at Talwood *                3.95m steady   09:30 AM WED 19/01/11
Weir R at Jericho *                3.59m steady   08:00 AM WED 19/01/11
Weir R at Mascot *                 NA

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
Issued at 8:39 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the lower Macintyre River. Moderate to
major flooding continues along the lower Weir River between Giddi Giddi and
Surrey, with the flood peak approaching Surrey. Major flood levels continue at
Jericho.

LOWER WEIR RIVER:
Moderate to major flooding is occurring between Giddi Giddi and Surrey. A major
flood peak of about 5.8 metres is forecast for Surrey during Friday morning. At
Talwood, flood levels are likely to peak around the major flood level of 4
metres late in the weekend. Major flooding continues to slowly rise downstream
at Jericho.

River levels along the lower Weir river could be affected by the record flood in
the Macintyre River. Unexpected movements of water across the flood plain are
possible this week from the Talwood area downstream to Mascot and Jericho.

LOWER MACINTYRE RIVER: Minor flooding continues to ease between the Kildonan
area and Goondiwindi. Minor flood levels are falling along Callandoon Creek.

 A major flood warning is current for the Macintyre River in NSW including
information for Terrewah and Mungindi: http://www.bom.gov.au/nsw/index.shtml .

Predicted River Heights/Flows:

Weir River at:
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Talwood         Peak around 4.0 metres (major) late in the weekend.

Next Issue:
The next warning will be issued by 10am Friday.

Latest River Heights:
Dumaresq R at Glenarbon Weir *     1.21m steady  07:00 AM THU 20/01/11
Macintyre Bk at Coolmunda Dam TW * -0.19m steady 05:34 AM THU 20/01/11
Macintyre Bk at Inglewood Br *     1.84m steady  05:49 AM THU 20/01/11
Dumaresq R at Bengalla *           2.85m falling 05:40 AM THU 20/01/11
Macintyre R at New Kildonan *      3.7m steady   05:20 AM THU 20/01/11
Macintyre R at Boggabilla          4.17m steady  07:15 AM THU 20/01/11
Macintyre R at Goondiwindi *       4.62m steady  07:00 AM THU 20/01/11
Callandoon Ck at Carana Weir *     3.8m falling  07:00 AM THU 20/01/11
Callandoon Ck at Oonavale*         6.45m steady  07:00 AM THU 20/01/11
Weir R at O'Connor *               1.68m steady  05:00 AM THU 20/01/11
Weir R at Ballymena *              1.88m falling 05:10 AM THU 20/01/11
Weir R at Gunn Br *                0.99m steady  07:00 AM THU 20/01/11
Yarrill Ck at Medpark Br *         1.02m falling 05:20 AM THU 20/01/11
Weir R at Hartmann Br *            5.48m falling 05:30 AM THU 20/01/11
Weir R at Surrey *                 5.64m steady  05:00 AM THU 20/01/11
Weir R at Talwood *                4.29m steady  07:30 AM THU 20/01/11
Weir R at Jericho *                3.66m steady  07:00 AM THU 20/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
Issued at 7:43 AM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues along the lower Weir River between Hartmann
Bridge and Surrey, with the flood peak around Surrey. Major flood levels
continue at Jericho. Minor flooding continues to ease along the lower Macintyre
River.

LOWER WEIR RIVER:
Moderate to major flooding is occurring between Hartmann Bridge and Jericho. A
major flood peak of about 5.7 metres is currently in the Surrey area. At
Talwood, flood levels are expected to peak around the major flood level of 4
metres late in the weekend. Major flooding continues to rise downstream at
Jericho.

LOWER MACINTYRE RIVER: Minor flooding continues to ease between the Kildonan
area and Goondiwindi.
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A flood warning is current for the Macintyre River in NSW including information for Terrewah and Mungindi: http://www.bom.gov.au/nsw/index.shtml .

Predicted River Heights/Flows:

Weir River at:

Talwood Peak around 4.0 metres (major) late in the weekend.

Next Issue:
The next warning will be issued by 10am Saturday.

Latest River Heights:

Severn R at Ashford	1.08m	steady	06:00 AM FRI 21/01/11
Macintyre R at Holdfast	1.1m	steady	06:00 AM FRI 21/01/11
Dumaresq R at Farnbro *	1.73m	steady	04:00 AM FRI 21/01/11
Pike Ck at Glenlyon Dam TW *	0.91m	steady	06:00 AM FRI 21/01/11
Beardy R at Haystack	0.74m	steady	02:26 PM THU 20/01/11
Dumaresq R at Bonshaw	3.45m	steady	06:00 AM FRI 21/01/11
Dumaresq R at Texas *	2.11m	rising	05:39 AM FRI 21/01/11
Dumaresq R at Glenarbon Weir *	1.13m	steady	06:00 AM FRI 21/01/11
Macintyre Bk at Inglewood Br *	1.81m	steady	05:49 AM FRI 21/01/11
Dumaresq R at Bengalla *	2.58m	falling	05:40 AM FRI 21/01/11
Macintyre R at New Kildonan *	3.44m	steady	05:20 AM FRI 21/01/11
Macintyre R at Boggabilla	3.8m	steady	05:30 AM FRI 21/01/11
Macintyre R at Goondiwindi *	4.31m	steady	06:00 AM FRI 21/01/11
Callandoon Ck at Carana Weir *	2.96m	steady	06:00 AM FRI 21/01/11
Callandoon Ck at Oonavale*	6.2m	steady	06:20 AM FRI 21/01/11
Weir R at O'Connor *	2.49m	falling	05:20 AM FRI 21/01/11
Weir R at Retreat Br *	1.55m	steady	06:00 AM FRI 21/01/11
Weir R at Ballymena *	1.77m	steady	05:00 AM FRI 21/01/11
Weir R at Gunn Br *	0.82m	steady	05:20 AM FRI 21/01/11
Yarrill Ck at Medpark Br *	0.93m	steady	05:00 AM FRI 21/01/11
Weir R at Hartmann Br *	5.18m	falling	05:20 AM FRI 21/01/11
Weir R at Surrey *	5.67m	steady	06:00 AM FRI 21/01/11
Weir R at Talwood	3.7m	rising	09:00 PM THU 20/01/11
Weir R at Talwood *	4.43m	rising	06:30 AM FRI 21/01/11
Weir R at Jericho *	3.64m	steady	06:00 AM FRI 21/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 9:00 AM on Saturday the 22nd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring between Hartmann Bridge and Jericho. At

Talwood, flood levels are expected to peak around the major level of 4 metres on Sunday. Major flood levels are steady at Jericho. Minor flooding continues to ease along the lower Macintyre River.

Information for Mungindi is issued by NSW warning centre:
http://www.bom.gov.au/nsw/index.shtml.

Predicted River Heights/Flows:

Weir River at:

Talwood Peak around 4.0 metres (major) late in the weekend.

Next Issue:
The next warning will be issued by 10am Sunday.

Latest River Heights:

Macintyre R at New Kildonan *	3.34m	steady	08:00 AM SAT 22/01/11
Macintyre R at Boggabilla	3.62m	steady	05:15 AM SAT 22/01/11
Macintyre R at Goondiwindi *	4.13m	steady	08:00 AM SAT 22/01/11
Callandoon Ck at Carana Weir *	2.66m	steady	08:00 AM SAT 22/01/11
Callandoon Ck at Oonavale*	5.4m	steady	07:00 AM SAT 22/01/11
Weir R at O'Connor *	1.78m	steady	08:00 AM SAT 22/01/11
Weir R at Ballymena *	1.43m	falling	08:20 AM SAT 22/01/11
Weir R at Gunn Br *	0.7m	steady	07:00 AM SAT 22/01/11
Yarrill Ck at Medpark Br *	0.87m	steady	08:00 AM SAT 22/01/11
Weir R at Hartmann Br *	4.61m	falling	08:20 AM SAT 22/01/11
Weir R at Surrey *	5.61m	steady	06:00 AM SAT 22/01/11
Weir R at Talwood	3.8m	rising	09:00 PM FRI 21/01/11
Weir R at Talwood *	4.51m	steady	08:00 AM SAT 22/01/11
Weir R at Jericho *	3.59m	steady	08:20 AM SAT 22/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 10:04 AM on Sunday the 23rd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring along the Weir River between Hartmann Bridge and Jericho. At Talwood, flood levels are expected to peak around the major flood level of 4 metres during Sunday. Major flood levels are currently easing slowly further downstream at Jericho, however renewed rises and higher levels are expected during the next few days.

At 9am Sunday, the river level at Talwood was at 3.92 metres and rising slowly.

Some isolated minor flooding remains in the lower Macintyre River at Kildonan.

A flood warning for moderate to major flooding is current for NSW townships downstream from Boggabilla including Mungindi. For more information see: www.bom.gov.au/nsw/flood .

Predicted River Heights/Flows:

Weir River at:

Talwood Peak around 4.0 metres (major) during Sunday.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Weir R at O'Connor *	1.59m	falling	08:00 AM SUN 23/01/11
Weir R at Ballymena *	2.19m	steady	08:10 AM SUN 23/01/11
Weir R at Gunn Br *	1.33m	rising	08:10 AM SUN 23/01/11
Yarrill Ck at Medpark Br *	0.85m	steady	05:00 PM SAT 22/01/11
Weir R at Hartmann Br *	4.12m	steady	08:00 AM SUN 23/01/11
Weir R at Surrey *	5.29m	falling	08:40 AM SUN 23/01/11
Weir R at Talwood	3.92m	rising	09:00 AM SUN 23/01/11
Weir R at Talwood *	4.59m	steady	08:00 AM SUN 23/01/11
Weir R at Jericho *	3.55m	steady	08:20 AM SUN 23/01/11
Weir R at Mascot *	NA		

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 9:40 AM on Monday the 24th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring along the Weir River between Surrey and Jericho. At Talwood, flood levels are currently peaking around 4.0 metres. Major flood levels to continue at Jericho with renewed rises expected in the next few days.

River levels have now fallen below minor in the lower Macintyre River at Kildonan.

A flood warning for moderate to major flooding is current for NSW townships

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downstream from Boggabilla including Mungindi.  For more information see:
www.bom.gov.au/nsw/flood .

Predicted River Heights/Flows:

Weir River at:

Talwood            Currently peaking around 4.0 metres (major).

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:
Macintyre R at New Kildonan *      2.93m falling 08:00 AM MON 24/01/11
Macintyre R at Boggabilla          2.96m steady  09:15 AM MON 24/01/11
Macintyre R at Goondiwindi *       3.58m falling 08:10 AM MON 24/01/11

Weir R at Hartmann Br *            3.65m falling 08:10 AM MON 24/01/11
Weir R at Surrey *                 4.54m falling 08:40 AM MON 24/01/11
Weir R at Talwood                  3.95m steady  09:00 PM SUN 23/01/11
Weir R at Talwood *                4.62m steady  08:00 AM MON 24/01/11
Weir R at Jericho *                3.51m steady  08:00 AM MON 24/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 9:24 AM on Tuesday the 25th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring along the Weir River between Surrey and
Jericho.  At Talwood, moderate flood levels are falling slowly. Major flood
levels will continue at Jericho with levels expected to remain around current
levels until at least the weekend.


A flood warning for moderate to major flooding is current for NSW townships
downstream from Boggabilla including Mungindi.  For more information see:
www.bom.gov.au/nsw/flood .

Next Issue:
The next warning will be issued by 11am Wednesday.

Latest River Heights:
Severn R at Ashford                0.78m steady  08:00 AM TUE 25/01/11
Macintyre R at Holdfast            0.87m steady  08:00 AM TUE 25/01/11
Dumaresq R at Farnbro *            1.57m steady  08:00 AM TUE 25/01/11
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Pike Ck at Glenlyon Dam TW *       0.76m steady  08:00 AM TUE 25/01/11
Beardy R at Haystack               0.74m steady  01:00 PM MON 24/01/11
Dumaresq R at Bonshaw              3.25m steady  08:00 AM TUE 25/01/11
Dumaresq R at Texas *              1.86m steady  08:19 AM TUE 25/01/11
Dumaresq R at Glenarbon Weir *     0.86m steady  08:00 AM TUE 25/01/11
Macintyre Bk at Inglewood Br *     1.75m steady  08:29 AM TUE 25/01/11
Dumaresq R at Bengalla *           1.72m steady  08:00 AM TUE 25/01/11
Macintyre R at New Kildonan *      2.76m falling 08:00 AM TUE 25/01/11
Macintyre R at Boggabilla          2.65m steady  08:15 AM TUE 25/01/11
Macintyre R at Goondiwindi *       3.26m steady  08:00 AM TUE 25/01/11
Callandoon Ck at Carana Weir *     2.29m steady  08:00 AM TUE 25/01/11
Callandoon Ck at Oonavale*         3.12m falling 06:00 AM TUE 25/01/11
Weir R at O'Connor *               1.45m steady  08:00 AM TUE 25/01/11
Weir R at Retreat Br *             1.56m steady  09:00 PM MON 24/01/11
Weir R at Ballymena *              1.48m steady  08:10 AM TUE 25/01/11
Weir R at Gunn Br *                0.66m steady  08:00 AM TUE 25/01/11
Yarrill Ck at Medpark Br *         0.75m rising  08:20 AM TUE 25/01/11
Weir R at Hartmann Br *            3.17m falling 08:10 AM TUE 25/01/11
Weir R at Surrey *                 3.79m falling 08:50 AM TUE 25/01/11
Weir R at Talwood                  3.95m steady  09:00 PM MON 24/01/11
Weir R at Talwood *                4.56m falling 08:00 AM TUE 25/01/11
Weir R at Jericho *                3.48m steady  08:00 AM TUE 25/01/11


*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 9:46 AM on Wednesday the 26th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring along the Weir River between Talwood and
Mascot. At Talwood, moderate flood levels are falling. Major flood levels will
continue at Jericho with levels expected to remain around current levels until
at least the weekend.


A flood warning for moderate to major flooding is current for NSW townships
downstream from Boggabilla including Mungindi. For more information see:
www.bom.gov.au/nsw/flood .

Next Issue:
The next warning will be issued by 11am Thursday.

Latest River Heights:
Weir R at O'Connor *               1.42m steady  08:00 AM WED 26/01/11
Weir R at Retreat Br *             1.55m falling 11:20 AM TUE 25/01/11
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Weir R at Ballymena *              1.03m steady  08:10 AM WED 26/01/11
Weir R at Gunn Br *                0.56m steady  08:00 AM WED 26/01/11
Yarrill Ck at Medpark Br *         0.74m steady  05:00 PM TUE 25/01/11
Weir R at Hartmann Br *            2.68m steady  08:00 AM WED 26/01/11
Weir R at Surrey *                 3.2m falling  08:30 AM WED 26/01/11
Weir R at Talwood                  3.71m falling 09:00 AM WED 26/01/11
Weir R at Talwood *                4.41m falling 08:00 AM WED 26/01/11
Weir R at Jericho *                3.43m steady  08:00 AM WED 26/01/11
Weir R at Mascot *                 2.77m steady  07:00 AM WED 26/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 10:44 AM on Thursday the 27th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring along the Weir River between Talwood and
Mascot. At Talwood, moderate flood levels are falling. Major flood levels will
continue at Jericho with levels expected to remain around current levels until
at least the weekend.


A moderate to major flood warning is current for NSW townships downstream from
Boggabilla including Mungindi. For more information see:
www.bom.gov.au/nsw/flood .

Next Issue:
The next warning will be issued by 11am Friday.

Latest River Heights:
Weir R at O'Connor *      1.38m steady  08:00 AM THU 27/01/11
Weir R at Ballymena *     0.95m steady  08:00 AM THU 27/01/11
Weir R at Gunn Br *       0.54m steady  08:00 AM THU 27/01/11
Weir R at Hartmann Br *   2.27m falling 08:20 AM THU 27/01/11
Weir R at Surrey *        2.61m falling 08:30 AM THU 27/01/11
Weir R at Talwood         3.50m falling 09:00 AM THU 27/01/11
Weir R at Talwood *       4.18m steady  08:00 AM THU 27/01/11
Weir R at Jericho *       3.37m steady  08:00 AM THU 27/01/11
Weir R at Mascot *        2.72m steady  07:00 AM THU 27/01/11

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 10:04 AM on Friday the 28th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring along the Weir River between Talwood and Mascot. At Talwood, flood levels are now minor. Major flood levels will continue at Jericho through the weekend although falling slowly.

A moderate to major flood warning is current for NSW townships downstream from Boggabilla including Mungindi. For more information see:
www.bom.gov.au/nsw/flood .

Next Issue:
The next warning will be issued by 10am Saturday.

Latest River Heights:

Weir R at O'Connor *	1.35m	steady	08:00 AM FRI 28/01/11
Weir R at Ballymena *	1.05m	falling	08:10 AM FRI 28/01/11
Weir R at Gunn Br *	0.52m	steady	08:00 AM FRI 28/01/11
Weir R at Hartmann Br *	1.84m	falling	08:10 AM FRI 28/01/11
Weir R at Surrey *	1.95m	falling	08:50 AM FRI 28/01/11
Weir R at Talwood	3.4m	falling	09:00 PM THU 27/01/11
Weir R at Talwood *	3.85m	steady	08:00 AM FRI 28/01/11
Weir R at Jericho *	3.3m	steady	08:00 AM FRI 28/01/11
Weir R at Mascot *	2.67m	steady	07:00 AM FRI 28/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 10:19 AM on Saturday the 29th of January 2011

by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring along the Weir River between Jericho and Mascot. Major flood levels will continue at Jericho through the weekend although falling slowly.

A moderate to major flood warning is current for NSW townships downstream from Boggabilla including Mungindi. For more information see: www.bom.gov.au/nsw/flood .

Next Issue:
The next warning will be issued by 10am Sunday.

Latest River Heights:

Weir R at O'Connor *	1.33m	steady	08:00 AM SAT 29/01/11
Weir R at Ballymena *	1.08m	steady	08:00 AM SAT 29/01/11
Weir R at Gunn Br *	0.51m	steady	08:00 AM SAT 29/01/11
Yarrill Ck at Medpark Br *	0.64m	steady	05:00 AM SAT 29/01/11
Weir R at Giddi Giddi South *	1.72m	steady	08:00 AM SAT 29/01/11
Weir R at Hartmann Br *	1.63m	steady	08:00 AM SAT 29/01/11
Weir R at Surrey *	1.34m	falling	08:50 AM SAT 29/01/11
Weir R at Talwood	2.5m	falling	09:00 AM SAT 29/01/11
Weir R at Talwood *	3.21m	falling	08:10 AM SAT 29/01/11
Weir R at Jericho *	3.2m	steady	08:00 AM SAT 29/01/11
Weir R at Mascot *	2.61m	steady	07:00 AM SAT 29/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM620

IDQ20835

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE LOWER WEIR RIVER
Issued at 9:38 AM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is easing along the Weir River between Jericho and Mascot. River levels at Jericho are expected to fall below the major level of 3 metres this afternoon and will continue to fall through the week. Moderate flood levels will continue to fall at Mascot.

A moderate to major flood warning is current for NSW townships including Mungindi. For more information see: www.bom.gov.au/nsw/flood.

Next Issue:
This is the final warning. Further updates will appear on the Flood Warning Summary.

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Latest River Heights:

Weir R at O'Connor *               1.3m steady   08:00 AM SUN 30/01/11
Weir R at Ballymena *              1.08m steady  08:00 AM SUN 30/01/11
Weir R at Gunn Br *                0.5m steady   08:00 AM SUN 30/01/11
Weir R at Giddi Giddi South *      1.51m steady  05:00 AM SUN 30/01/11
Weir R at Hartmann Br *            1.28m falling 08:00 AM SUN 30/01/11
Weir R at Surrey *                 1.23m steady  09:00 AM SUN 30/01/11
Weir R at Talwood *                2.3m falling  08:10 AM SUN 30/01/11
Weir R at Jericho *                3.08m falling 08:20 AM SUN 30/01/11
Weir R at Mascot *                 2.54m steady  07:00 AM SUN 30/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(25)"

FLDWARN for the Moonie River

1 December 2010 to 31 January 2011

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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:47 PM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels are occurring at Southwood and river levels are rising
fast at Flinton. Moderate flood levels are forecast for Mt Driven late this
week. Rises to 3 metres are likely at Nindigully Bridge (manual station) with
further rises possible.

At Thallon, river levels are likely to reach the minor flood level of 4 metres
into the weekend. Further forecasts will be made once upstream peaks have been
observed.

River level rises will occur at Fenton through the weekend and next week.



Next Issue:
The next warning will be issued by 11am Wednesday.

Latest River Heights:
Moonie R at Southwood         4.65m falling slowly 09:00 AM TUE 14/12/10
Moonie R at Flinton           2.85m rising fast    06:00 AM TUE 14/12/10
Moonie R at Flinton *         4.92m rising         11:40 AM TUE 14/12/10
Moonie R at Nindigully Br     2.25m steady         09:00 AM TUE 14/12/10
Moonie R at Nindigully *      3.24m steady         11:00 AM TUE 14/12/10
Moonie R at Fenton *          3.35m steady         09:30 AM TUE 14/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
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Issued at 9:39 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels continue to rise at Flinton. Moderate flood levels are forecast for Mt Driven late this week. Rises to 3 metres are likely at Nindigully Bridge (manual station) with further rises possible.

At Thallon, river levels are likely to reach the minor flood level of 4 metres into the weekend. Further forecasts will be made once upstream peaks have been observed.

River level rises will occur at Fenton through the weekend and next week.

Next Issue:
The next warning will be issued by 11am Thursday.

Latest River Heights:

Moonie R at Southwood	3.55m	falling	08:30 AM WED 15/12/10
Moonie R at Flinton	3.41m	steady	06:00 AM WED 15/12/10
Moonie R at Flinton *	5.61m	steady	08:00 AM WED 15/12/10
Moonie R at Nindigully *	3.03m	steady	08:00 AM WED 15/12/10
Moonie R at Fenton *	3.26m	falling	08:00 AM WED 15/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 8:39 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels continue to rise at Flinton where levels are approaching the moderate flood level of 4 metres. Minor flood levels are forecast to continue into the weekend at Mt Driven with further rises to the moderate flood level of 5 metres likely. Rises to around 3 metres are likely at Nindigully Bridge (manual station) over the weekend.

At Thallon, river levels are likely to reach the minor flood level of 4 metres into the weekend. Further forecasts will be made once upstream peaks have been observed.

River level rises will occur at Fenton through the weekend and next week.

Next Issue:
The next warning will be issued by 11am Friday.

Latest River Heights:

Moonie R at Southwood	2.4m falling	06:00 AM THU 16/12/10
Moonie R at Flinton	3.46m rising slowly	09:00 AM WED 15/12/10
Moonie R at Flinton *	6.08m steady	06:00 AM THU 16/12/10
Moonie R at Mt Driven	3m rising slowly	06:00 AM THU 16/12/10
Moonie R at Nindigully Br	2.23m falling	09:00 AM WED 15/12/10
Moonie R at Nindigully *	3.07m steady	06:00 AM THU 16/12/10
Moonie R at Fenton *	3.17m steady	05:30 AM THU 16/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 8:10 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels at Flinton are steady around 4 metres. Minor flood levels are
forecast to continue into the weekend at Mt Driven with further rises expected
to around 4.8 metres. Rises to around 2.5 metres are likely at Nindigully Bridge
(manual station) over the weekend.

At Thallon, river levels are likely to reach the minor flood level of 4 metres
late in the weekend.

River level rises will occur at Fenton through the weekend and next week with
minor flooding.

Next Issue:
The next warning will be issued by 11am Saturday.

Latest River Heights:

Moonie R at Southwood	1.8m falling slowly	05:00 AM FRI 17/12/10
Moonie R at Flinton	3.79m falling slowly	09:00 AM FRI 17/12/10
Moonie R at Flinton *	6.1m steady	06:00 AM FRI 17/12/10
Moonie R at Mt Driven	3.7m falling	05:00 AM FRI 17/12/10
Moonie R at Nindigully Br	2.32m rising	06:00 AM FRI 17/12/10
Moonie R at Nindigully *	3.41m rising	06:00 AM FRI 17/12/10
Moonie R at Fenton *	3.05m steady	05:40 AM FRI 17/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 9:47 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring along the Moonie River between Flinton and
Nindigully, with the flood peak currently in the Mt Driven area. Minor flooding
will develop further downstream in the Thallon to Fenton area early next week.

Minor flood levels are easing on the Moonie River at Flinton, with river levels
currently peaking at Mt Driven. Rises and minor flooding are occurring
downstream at Nindigully Bridge (manual station) where river levels are expected
to peak around 2.7 metres later this weekend.

At Thallon, river levels are expected to reach the minor flood level of 4 metres
late in the weekend, with continued rises likely to reach near the moderate
flood level of 4.5 metres during next week.

River level rises will occur at Fenton through the weekend, with some minor
flooding expected during next week.

Weather Forecast:
Cloudy with some light patchy rain. Scattered showers and thunderstorms
developing in the north and east during the afternoon and evening.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Moonie R at Flinton	3.63m falling slowly	09:00 AM SAT 18/12/10
Moonie R at Flinton *	5.99m steady	08:00 AM SAT 18/12/10
Moonie R at Mt Driven	4.45m falling	06:00 AM SAT 18/12/10
Moonie R at Nindigully Br	2.4m rising slowly	09:00 AM SAT 18/12/10
Moonie R at Nindigully *	3.83m steady	08:00 AM SAT 18/12/10
Moonie R at Thallon	NA	
Moonie R at Fenton *	3.05m steady	08:00 AM SAT 18/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:47 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring along the Moonie River between Flinton and
Nindigully, with the flood peak currently in the Mt Driven area. Minor flooding
will develop downstream in the Thallon to Fenton areas early next week.

Minor flood levels are easing on the Moonie River at Flinton, with river levels
currently peaking at Mt Driven. Rises and minor flooding are occurring
downstream at Nindigully Bridge (manual station) where river levels are expected
to peak around 2.7 metres during this week.

At Thallon, river levels are expected to reach the minor flood level of 4 metres
late in the weekend, with continued rises likely to reach near the moderate
flood level of 4.5 metres during next week.

River level rises will occur at Fenton through the week with some minor flooding
expected.


Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:
Moonie R at Flinton           3.14m falling       09:00 AM SUN 19/12/10
Moonie R at Flinton *         5.49m steady        08:20 AM SUN 19/12/10
Moonie R at Mt Driven         4.65m rising slowly 06:30 AM SUN 19/12/10
Moonie R at Nindigully Br     2.55m rising slowly 09:00 AM SUN 19/12/10
Moonie R at Nindigully *      4.19m rising        08:10 AM SUN 19/12/10
Moonie R at Fenton *          3.1m steady         08:00 AM SUN 19/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:34 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring along the Moonie River between Flinton and Thallon, with the flood peak approaching the Nindigully area and moderate flooding likely at Thallon during this week. Renewed rises and minor flooding will also develop downstream in the Fenton area during this week.

Renewed rises are occurring at The Deep Crossing following the weekend rainfall. River levels have eased below minor at Flinton, whilst minor flooding has peaked at Mt Driven. Rises and minor flooding are occurring downstream at Nindigully Bridge (manual station) where river levels are expected to peak with minor flooding during this week.

River levels at Thallon are expected to have exceeded the minor flood level of 4 metres, with continued rises likely to reach near the moderate flood level of 4.5 metres during this week. Slow river level rises have commenced downstream at Fenton with some minor flooding expected during this week.

Next Issue:
The next warning will be issued at about 11am Tuesday.

Latest River Heights:

Moonie R at The Deep Crossing	1.65m rising	09:00 AM MON 20/12/10
Moonie R at Flinton	2.8m falling	06:00 AM MON 20/12/10
Moonie R at Flinton *	4.91m falling	08:10 AM MON 20/12/10
Moonie R at Mt Driven	4.4m falling slowly	09:00 AM MON 20/12/10
Moonie R at Nindigully Br	2.75m rising	09:00 AM MON 20/12/10
Moonie R at Nindigully *	4.53m rising	08:20 AM MON 20/12/10
Moonie R at Thallon	NA	
Moonie R at Fenton *	3.14m steady	08:00 AM MON 20/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:31 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are expected to continue between Nindigully and Fenton for the rest of this week.

Minor flooding is falling at Mt Driven. Moderate flood levels are forecast at Nindigully (Manual gauge) of around 3 metres later this week.

River levels at Thallon are rising with 3.75 metres observed at 9am Tuesday. Levels are forecast to continue rising with a peak just over 4.5 metres on Thursday or Friday. At Fenton, a level of at least 3.7 metres is predicted for Sunday.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Moonie R at The Deep Crossing	2.05m at peak	04:00 PM MON 20/12/10
Moonie R at Flinton	2.38m falling slowly	09:00 AM TUE 21/12/10
Moonie R at Flinton *	4.36m steady	08:00 AM TUE 21/12/10
Moonie R at Mt Driven	3.8m falling slowly	06:00 AM TUE 21/12/10
Moonie R at Nindigully Br	2.87m rising slowly	09:00 AM TUE 21/12/10
Moonie R at Nindigully *	4.78m steady	08:20 AM TUE 21/12/10
Moonie R at Thallon	3.75m rising	09:00 AM TUE 21/12/10
Moonie R at Fenton *	3.27m rising	08:00 AM TUE 21/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE MOONIE RIVER
Issued at 7:55 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are expected to continue between Nindigully and Fenton for the rest of this week and the weekend.

Minor flooding is falling Nindigully. River levels at Thallon are rising with 4 metres observed at 6am Wednesday. Levels are forecast to continue rising with a minor flood peak just over 4.5 metres on Thursday or Friday. At Fenton, a level of at least 3.7 metres is predicted for Sunday.

Next Issue:
This is the final warning. River height bulletins will continue to be issued and updates will appear in the Flood Warning Summary.

Latest River Heights:

Moonie R at Flinton	2.24m falling slowly	06:00 AM WED 22/12/10
Moonie R at Flinton *	4.03m steady	06:00 AM WED 22/12/10
Moonie R at Nindigully Br	2.85m falling slowly	06:00 AM WED 22/12/10
Moonie R at Nindigully *	4.87m steady	06:00 AM WED 22/12/10
Moonie R at Thallon	4m rising	06:40 AM WED 22/12/10

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Moonie R at Fenton *          3.41m rising         05:00 AM WED 22/12/10

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:15 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

24-hour rainfall totals to 9am Monday in excess of 100 mm have fallen over the
upper reaches of the Moonie River.  This has caused rapid rises and record major
flood levels of 5.5 metres at The Deep Crossing at 9pm Monday which is 5.5
metres over the causeway. River levels are continuing to rise.

Record major flood levels are expected to develop at Tartha during Tuesday and
continue further downstream during the week to reach Flinton around Thursday.

Next Issue:
The next warning will be issued at 1pm Tuesday.

Latest River Heights:
Moonie R at The Deep Crossing 5.45m rising  09:00 PM MON 27/12/10
Moonie R at Flinton *         4.49m steady  08:30 PM MON 27/12/10
Moonie R at Nindigully Br     2.35m rising  03:00 PM MON 27/12/10
Moonie R at Nindigully *      3.68m steady  08:00 PM MON 27/12/10
Moonie R at Thallon           3.4m falling  04:00 PM MON 27/12/10
Moonie R at Fenton *          3.85m falling 08:00 PM MON 27/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
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Issued at 12:56 PM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

24-hour rainfall totals to 9am Monday in excess of 100 mm have fallen over the upper reaches of the Moonie River. This has caused rapid rises and record major flood levels at The Deep Crossing. At 12pm Tuesday, river levels at Tartha were 6.68 metres (which is just below the March 2010 level of 6.71m) and still rising.

Record major flood levels are expected to develop downstream of Tartha during this week. River levels are expected to reach at least the major flood level of 5 metres at Thallon into next week.

Next Issue:
The next warning will be issued at 1pm Wednesday.

Latest River Heights:

Moonie R at The Deep Crossing	4.95m falling	09:00 AM TUE 28/12/10
Moonie R at Tartha	6.68m rising	12:00 PM TUE 28/12/10
Moonie R at Flinton	3.10m rising	09:00 AM TUE 28/12/10
Moonie R at Flinton *	5.75m rising	11:40 AM TUE 28/12/10
Moonie R at Nindigully Br	2.35m rising slowly	06:00 AM TUE 28/12/10
Moonie R at Nindigully *	3.84m steady	11:00 AM TUE 28/12/10
Moonie R at Thallon	3.40m falling	04:00 PM MON 27/12/10
Moonie R at Fenton *	3.76m falling	11:10 AM TUE 28/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:59 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Record major flood levels have peaked at The Deep Crossing and Tartha. Major flood levels are expected downstream to Thallon into next week with levels expected to be similar to the February 2010 flood.

The river height at The Deep Crossing reached a peak of 5.65 metres and has now fallen below minor flood level. Major flooding is occurring at Tartha where the level peaked at 7.0 metres at 6:30 pm on Tuesday, which is 0.3 metres above the peak level reached in March 2010.

Minor flooding is rising downstream at Flinton, Mt Driven and Nindigully where moderate to major flooding is expected to develop into next week.

River levels are expected to exceed the major flood level of 5.0 metres at Thallon into next week and be similar to the February 2010 flood which reach 5.5 metres.

Next Issue:
The next warning will be issued at 1pm Thursday.

Latest River Heights:

Moonie R at The Deep Crossing	1.3m falling	09:00 AM WED 29/12/10
Moonie R at Tartha	6.9m falling	06:00 AM WED 29/12/10
Moonie R at Flinton	3.89m rising slowly	09:00 AM WED 29/12/10
Moonie R at Flinton *	6.26m rising	11:40 AM WED 29/12/10
Moonie R at Nindigully Br	2.4m rising slowly	06:00 AM WED 29/12/10
Moonie R at Nindigully *	4.05m steady	11:10 AM WED 29/12/10
Moonie R at Thallon	3.45m rising	06:00 AM WED 29/12/10
Moonie R at Fenton *	3.59m falling	10:10 AM WED 29/12/10

* automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:42 PM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing at Tartha. Moderate flood levels are expected downstream to Thallon into next week.

Major flooding is easing at Tartha where the level peaked at 7.0 metres at 6:30 pm on Tuesday, which is 0.3 metres above the peak level reached in March 2010.

Minor flooding is rising downstream at Flinton, Mt Driven and Nindigully where moderate flooding is expected to develop into next week. Predictions will be updated for the lower river reaches once the peak has been reached at Mt Driven.

Next Issue:
The next warning will be issued at 1pm Friday.

Latest River Heights:

Moonie R at The Deep Crossing	0.6m falling slowly	09:00 AM THU 30/12/10
Moonie R at Tartha	6.3m falling	06:00 AM THU 30/12/10
Moonie R at Southwood	NA	
Moonie R at Flinton	3.9m steady	09:00 AM THU 30/12/10
Moonie R at Mt Driven	4.4m rising slowly	12:00 PM THU 30/12/10

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Moonie R at Nindigully Br     2.38m falling       06:00 AM THU 30/12/10
Moonie R at Nindigully *      4.07m falling       11:30 AM THU 30/12/10
Moonie R at Thallon           3.55m rising        06:00 AM THU 30/12/10
Moonie R at Fenton *          3.48m steady        08:50 AM THU 30/12/10

* Denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:33 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing in the Moonie River at Tartha. Moderate flood levels
are expected downstream to Thallon into next week.


Major flooding is easing in the Moonie River at Tartha following a record flood
peak recorded on Tuesday. Minor flooding is rising downstream along the Moonie
River between Flinton and Mt Driven with moderate flooding expected to develop
during today. Minor flooding continues in the Nindigully area where further
rises and moderate flooding may possibly develop during next week.

Predictions will be updated for the lower river reaches and Thallon Township
once the peak has been observed at Mt Driven.

Next Issue:
The next warning will be issued at 1pm Saturday.

Latest River Heights:
Moonie R at Flinton           4.05m rising slowly 09:00 AM FRI 31/12/10
Moonie R at Flinton *         6.23m steady        08:00 AM FRI 31/12/10
Moonie R at Mt Driven         5m rising slowly    09:00 AM FRI 31/12/10
Moonie R at Nindigully Br     2.4m rising slowly  06:00 AM FRI 31/12/10
Moonie R at Nindigully *      4.01m steady        08:00 AM FRI 31/12/10
Moonie R at Thallon           3.61m rising slowly 06:00 AM FRI 31/12/10
Moonie R at Fenton *          3.46m steady        08:00 AM FRI 31/12/10

* from automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:45 PM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is expected to develop along the Moonie River between
Flinton and Thallon during this weekend and throughout next week.


Flooding is easing in the Moonie River at Tartha. Moderate to major flooding is
occurring downstream between Flinton and Mt Driven, where the flood peak is
approaching the Flinton area.

Minor flooding continues in the Nindigully area where further rises and moderate
flooding will develop during this coming week.

Major flooding is likely at Thallon towards the end of next week. Predictions
will be updated for the lower river reaches and Thallon as upstream peaks are
observed.

Next Issue:
The next warning will be issued at 1pm Sunday.

Latest River Heights:
Moonie R at Flinton           4.95m rising slowly  12:00 PM SAT 01/01/11
Moonie R at Flinton *         7.03m rising         11:10 AM SAT 01/01/11
Moonie R at Mt Driven         5m steady            12:00 PM SAT 01/01/11
Moonie R at Nindigully Br     2.65m rising slowly  09:00 AM SAT 01/01/11
Moonie R at Nindigully *      4.38m rising         11:20 AM SAT 01/01/11
Moonie R at Thallon           3.57m falling slowly 06:00 AM SAT 01/01/11
Moonie R at Fenton *          3.51m rising         08:00 AM SAT 01/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:05 PM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring in the Moonie River between Flinton and
Mt Driven, with the flood peak in the Flinton area. River level rises causing
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moderate to major flooding is expected to develop downstream between Nindigully and Thallon during this week.

Minor flooding continues in the Nindigully area where further rises and moderate flooding will develop during this week.

Major flooding is likely at Thallon towards the end of next week. Predictions will be updated for the lower river reaches and Thallon as upstream peaks are observed.

Next Issue:
The next warning will be issued at 1pm Monday.

Latest River Heights:

Moonie R at Flinton	5.05m steady	09:00 AM SUN 02/01/11
Moonie R at Flinton *	7.16m steady	11:00 AM SUN 02/01/11
Moonie R at Mt Driven	5.6m rising slowly	09:00 AM SUN 02/01/11
Moonie R at Nindigully Br	2.78m rising	06:00 AM SUN 02/01/11
Moonie R at Nindigully *	4.8m steady	11:10 AM SUN 02/01/11
Moonie R at Thallon	3.65m rising	06:15 AM SUN 02/01/11
Moonie R at Fenton *	3.55m steady	08:00 AM SUN 02/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:45 PM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring in the Moonie River between Flinton and Nindigully, with the flood peak approaching Mt Driven.

River level rises causing moderate to major flooding are expected to develop downstream of Nindigully to Thallon and Fenton during this week. River level rises are being observed along Teelba Creek following overnight rainfall.

Predicted River Heights/Flows:

Nindigully	Reach 3.5 metres (manual gauge) on Wednesday with further rises.
Thallon	Reach above 5 metres (major) by Friday with further rises.
Fenton	Reach around 4.75 metres (moderate) on Sunday with further rises.

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Predictions will be updated once a peak is observed at Mt Driven.

Next Issue:
The next warning will be issued by 1pm Tuesday.

Latest River Heights:
Moonie R at Flinton           4.93m falling slowly 09:00 AM MON 03/01/11
Moonie R at Flinton *         7.08m steady         08:00 AM MON 03/01/11
Moonie R at Mt Driven         5.8m rising slowly   12:00 PM SUN 02/01/11
Moonie R at Nindigully Br     3m rising            06:00 AM MON 03/01/11
Moonie R at Nindigully *      5.01m steady         08:00 AM MON 03/01/11
Moonie R at Thallon           3.99m rising         06:00 AM MON 03/01/11
Moonie R at Fenton *          3.57m steady         08:00 AM MON 03/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:22 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring in the Moonie River between Flinton and
Nindigully, with the flood peak currently in the Mt Driven area. At Nindigully,
flood levels are expected to peak around 3.9 metres during Thursday which is
similar to the 1988 flood.

River level rises to major flood levels are expected downstream of Nindigully to
Thallon and Fenton late this week and over the weekend. Flood levels are
expected to be similar to the 1988 flood.

Predicted River Heights/Flows:
Nindigully     Peak around 3.9 metres (manual gauge) during Thursday. Flood
levels are                not expected to reach major flood level of 4 metres.

Thallon        Reach around 5.3 metres (major) on Saturday.

Fenton         Reach around 5.1 metres (major) on Monday.


Next Issue:
The next warning will be issued by 1pm Wednesday.

Latest River Heights:
Moonie R at The Deep Crossing 0.8m falling         09:00 PM MON 03/01/11
Moonie R at Flinton           4.68m falling slowly 09:00 AM TUE 04/01/11
Moonie R at Flinton *         6.89m falling        08:20 AM TUE 04/01/11
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Moonie R at Mt Driven          7.2m steady           07:30 AM TUE 04/01/11
Moonie R at Nindigully Br      3.2m rising slowly    09:00 AM TUE 04/01/11
Moonie R at Nindigully *       5.13m steady          08:00 AM TUE 04/01/11
Moonie R at Thallon            4.3m rising           06:00 AM TUE 04/01/11
Moonie R at Fenton *           3.61m rising          08:20 AM TUE 04/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:02 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring in the Moonie River between Flinton and
Nindigully, with the flood now downstream of Mt Driven. At Nindigully, flood
levels are expected to peak around 3.9 metres during Thursday which is similar
to the 1988 flood.

River level rises to major flood levels are expected downstream of Nindigully to
Thallon and Fenton late this week and over the weekend. Flood levels are
expected to be similar to the 1988 flood.

Predicted River Heights/Flows:
Nindigully     Peak around 3.9 metres (manual gauge) during Thursday.
               Flood levels are not expected to reach the major flood
               level of 4 metres.

Thallon        Reach around 5.3 metres (major) on Saturday.

Fenton         Reach around 5.1 metres (major) on Monday.

Next Issue:
The next warning will be issued by 1pm Thursday.

Latest River Heights:
Moonie R at Flinton            4.2m falling slowly 09:00 AM WED 05/01/11
Moonie R at Mt Driven          7m falling slowly   09:00 AM WED 05/01/11
Moonie R at Nindigully Br      3.74m rising        09:00 AM WED 05/01/11
Moonie R at Nindigully *       5.43m rising        06:00 AM WED 05/01/11
Moonie R at Thallon            4.55m rising        06:00 AM WED 05/01/11
Moonie R at Fenton *           3.78m steady        08:00 AM WED 05/01/11

*automatic station


Warnings and River Height Bulletins are available at
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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:10 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring in the Moonie River between Flinton and Nindigully. The flood is now approaching Nindigully where a peak is expected of around 3.9 metres today. Minor flooding is occurring along Teelba Creek. Overnight rainfall of up 40mm is expected to lead to small renewed rises at Flinton during the weekend.

River level rises to major flood levels are expected to continue downstream of Nindigully to Thallon and Fenton for the remainder of this week. Flood levels are expected to be similar to the 1988 flood.

Predicted River Heights/Flows:

Nindigully	Peak around 3.9 metres (manual gauge) during today. Flood levels are not expected to reach the major flood level of 4 metres.
Thallon	Reach around 5.4 metres (major) on Saturday.
Fenton	Reach around 5.1 metres (major) on Monday.

Next Issue:
The next warning will be issued by 1pm Friday.

Latest River Heights:

Moonie R at Flinton	3.88m falling slowly	06:00 AM THU 06/01/11
Moonie R at Flinton *	6.01m steady	08:00 AM THU 06/01/11
Teelba Ck at Teelba	5.4m falling slowly	08:00 AM THU 06/01/11
Moonie R at Mt Driven	6.6m falling slowly	09:00 AM THU 06/01/11
Moonie R at Nindigully Br	3.88m steady	09:00 AM THU 06/01/11
Moonie R at Nindigully *	5.69m steady	08:20 AM THU 06/01/11
Moonie R at Thallon	4.95m rising	05:30 AM THU 06/01/11
Moonie R at Fenton *	3.97m rising	08:20 AM THU 06/01/11

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 9:42 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring in the Moonie River between Southwood and
Thallon. The flood is now downstream of Nindigully. Small, renewed rises are
expected between Southwood and Flinton over the weekend with minor flood levels
continuing.

Major flood levels are expected to continue downstream of Nindigully to Thallon
and Fenton on Saturday and Sunday. Flood levels are expected to be similar to
the 1988 flood.

Predicted River Heights/Flows:
Thallon        Reach around 5.4 metres (major) on Saturday.

Fenton         Reach around 5.1 metres (major) on Monday.

Next Issue:
The next warning will be issued by 11am Saturday.

Latest River Heights:
Moonie R at The Deep Crossing 1.3m falling slowly  09:00 AM FRI 07/01/11
Moonie R at Southwood         4.1m rising slowly   09:00 AM FRI 07/01/11
Moonie R at Flinton           3.18m steady         06:00 AM FRI 07/01/11
Moonie R at Flinton *         5.55m falling        08:00 AM FRI 07/01/11
Moonie R at Mt Driven         5.95m falling slowly 09:00 AM FRI 07/01/11
Moonie R at Nindigully Br     3.83m falling slowly 09:00 AM FRI 07/01/11
Moonie R at Nindigully *      5.7m steady          08:00 AM FRI 07/01/11
Moonie R at Thallon           5.2m rising          05:30 AM FRI 07/01/11
Moonie R at Fenton *          4.11m rising         08:00 AM FRI 07/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 9:21 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.
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Minor to major flooding is occurring in the Moonie River between Southwood and Fenton. The flood is now downstream of Nindigully. Small, renewed rises are expected between Southwood and Flinton over the weekend with minor flood levels continuing.

Major flood levels are expected to continue downstream of Nindigully at Thallon on Saturday with moderate flood levels at Fenton on Sunday. Flood levels are expected to be similar to the 1988 flood.

Predicted River Heights/Flows:
Thallon Peak 5.4 metres (major) on Saturday.

Fenton Peak around 5.1 metres (major) on Monday.

Next Issue:
The next warning will be issued by 11am Sunday.

Latest River Heights:

Moonie R at Southwood	4.7m falling slowly	06:00 AM SAT 08/01/11
Moonie R at Flinton	3.04m rising slowly	06:00 AM SAT 08/01/11
Moonie R at Flinton *	5.27m steady	08:20 AM SAT 08/01/11
Teelba Ck at Teelba	3.1m falling slowly	11:30 AM FRI 07/01/11
Moonie R at Mt Driven	5.7m falling slowly	07:00 AM SAT 08/01/11
Moonie R at Nindigully Br	3.65m falling	09:00 AM SAT 08/01/11
Moonie R at Nindigully *	5.59m steady	08:00 AM SAT 08/01/11
Moonie R at Thallon	5.35m rising slowly	08:00 AM SAT 08/01/11
Moonie R at Fenton *	4.28m steady	08:00 AM SAT 08/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:15 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to major flooding is occurring in the Moonie River between Southwood and Fenton. The flood peak is now downstream of Thallon. Renewed rises are expected between Southwood and Flinton today and Monday with minor flood levels continuing.

Major flood levels will continue at Thallon today with levels expected to fall slowly. Moderate flood levels at Fenton on Sunday will continue rising. Flood levels are expected to be similar to the 1988 flood.

Predicted River Heights/Flows:
Fenton Peak around 5.1 metres (major) on Monday.

Next Issue:
The next warning will be issued by 11am Monday.

Latest River Heights:

Moonie R at Southwood	3.85m	falling slowly	09:00 AM SUN 09/01/11
Moonie R at Flinton	2.89m	falling slowly	06:00 AM SUN 09/01/11
Moonie R at Flinton *	5.03m	falling	08:00 AM SUN 09/01/11
Moonie R at Mt Driven	4.95m	falling	07:30 AM SUN 09/01/11
Moonie R at Nindigully Br	3.46m	falling	09:00 AM SUN 09/01/11
Moonie R at Nindigully *	5.43m	falling	08:00 AM SUN 09/01/11
Moonie R at Thallon	5.35m	steady	10:00 AM SUN 09/01/11
Moonie R at Fenton *	4.61m	rising	08:00 AM SUN 09/01/11

*automatic station

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public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:31 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring in the Moonie River between Nindigully
and Fenton with the flood peak approaching Fenton. Renewed rises and minor
flooding is being recorded at Flinton.

Major flood levels will continue at Thallon during Monday with levels expected
to begin falling slowly. Moderate flood levels at Fenton will continue rising
during Monday with levels expected to be similar to the 1988 flood peak of about
5.1 metres.

Predicted River Heights/Flows:
Fenton Peak around 5.1 metres (major) on Monday.

Next Issue:
The next warning will be issued by noon Tuesday.

Latest River Heights:

Moonie R at Southwood	3.15m	falling slowly	09:00 AM MON 10/01/11
Moonie R at Flinton	3.14m	rising	09:00 AM MON 10/01/11
Moonie R at Flinton *	5.22m	rising	08:10 AM MON 10/01/11
Moonie R at Mt Driven	4.2m	falling	09:00 AM MON 10/01/11
Moonie R at Nindigully Br	3.3m	falling	09:00 AM MON 10/01/11
Moonie R at Nindigully *	5.33m	steady	08:00 AM MON 10/01/11
Moonie R at Thallon	5.35m	steady	10:00 AM SUN 09/01/11
Moonie R at Fenton *	4.84m	rising	08:10 AM MON 10/01/11

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* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:55 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Recent rainfall is causing renewed rises across the upper Moonie catchment with
minor flood levels rising at Flinton. Moderate to major flooding is occurring in
the Moonie River between Nindigully and Fenton with the flood peak approaching
Fenton.

The heaviest daily rainfall totals recorded to 9am Tuesday include The Deep
Crossing 32mm, Traighli 23mm, and Cherry Park 22mm.

Renewed rises are occurring in the upper reaches of the Moonie River at The Deep
Crossing and at Southwood, with minor flood levels also rising downstream at
Flinton.

Minor to moderate flooding continues to ease between Mt Driven and Nindigully,
whilst major flood levels remain steady at Thallon. At 6am Tuesday, the river
level at Thallon was at 5.1 metres. Moderate flooding continues to slowly rise
further downstream at Fenton where levels are expected to be similar to the 1988
flood peak of about 5.1 metres.

Predicted River Heights/Flows:
Fenton               Peak around 5.1 metres (major) on Thur/Fri.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:
Moonie R at The Deep Crossing 1.95m rising slowly 09:00 AM TUE 11/01/11
Moonie R at Tartha            NA
Moonie R at Southwood         3.45m rising slowly 09:00 AM TUE 11/01/11
Moonie R at Flinton           3.48m rising        09:00 AM TUE 11/01/11
Teelba Ck at Teelba           NA
Moonie R at Mt Driven         NA
Moonie R at Nindigully Br     3.05m falling       09:00 AM TUE 11/01/11
Moonie R at Thallon           5.1m falling        06:00 AM TUE 11/01/11
Moonie R at Fenton *          4.94m steady        08:00 AM TUE 11/01/11

* denotes automatic station.


Warnings and River Height Bulletins are available at
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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:13 PM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Renewed rises are occurring across the upper Moonie catchment, with minor to moderate flood levels rising in the Moonie River between Southwood and Mt Driven. Minor to moderate flooding is easing in the Moonie River between Nindigully and Fenton with the flood peak currently in the Fenton area.

Minor flooding is easing in the Moonie River at The Deep Crossing, following a moderate flood peak to 3.3 metres recorded at 3am Wednesday. Renewed rises have extended downstream between Southwood and Mt Driven, with minor flood levels rising again at Flinton.

Minor to moderate flooding is easing between Nindigully and Thallon, where at 6:15am Wednesday the river level at Thallon Bridge was 4.9 metres and falling. River levels downstream at Fenton have commenced to ease, following a moderate flood peak to 4.94 metres recorded at about midday Tuesday. At 9:10am, the river level at Fenton was 4.92 metres and falling.

Weather Forecast:
Patchy light rain areas and isolated thunderstorms, easing to scattered showers during in the day.

Next Issue:
The next warning will be issued at about noon Thursday.

Latest River Heights:

Moonie R at The Deep Crossing	2.95m	falling slowly	09:00 AM WED 12/01/11
Moonie R at Southwood	4.85m	rising	08:45 AM WED 12/01/11
Moonie R at Flinton	3.9m	rising slowly	09:00 AM WED 12/01/11
Teelba Ck at Teelba	3.45m	falling	11:50 AM WED 12/01/11
Moonie R at Mt Driven	3.85m	rising slowly	09:00 AM WED 12/01/11
Moonie R at Nindigully Br	2.84m	falling	09:00 AM WED 12/01/11
Moonie R at Nindigully *	5m	falling	08:10 AM WED 12/01/11
Moonie R at Thallon Br	4.9m	falling	06:15 AM WED 12/01/11
Moonie R at Fenton *	4.92m	falling slowly	09:10 AM WED 12/01/11

* denotes automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:44 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flood levels are continuing in the upper Moonie catchment between Southwood and Flinton, and renewed rises are occurring at Mt Driven. Minor to moderate flooding is easing in the Moonie River between Nindigully and Fenton with the flood peak currently in the Fenton area.

The Moonie River at Southwood is peaking just below the major flood level [5.5m], and moderate flood levels are beginning to fall slowly at Flinton. Downstream at Mt Driven, renewed rises with minor to moderate flood levels are occurring.

Minor flooding is easing between Nindigully and Thallon. At 8am Thursday the river level at Thallon Bridge was 4.68 metres and falling. River levels downstream at Fenton continue to ease slowly, following a moderate flood peak of 4.94 metres recorded at about midday Tuesday. At 8am Thursday, the river level at Fenton was 4.85 metres and falling slowly.

Weather Forecast:
Chance of isolated afternoon showers.

Next Issue:
The next warning will be issued at about noon Friday.

Latest River Heights:

Moonie R at Southwood	5.35m steady	09:00 AM THU 13/01/11
Moonie R at Flinton	3.93m falling	09:00 AM THU 13/01/11
Teelba Ck at Teelba	2.45m falling slowly	06:00 PM WED 12/01/11
Moonie R at Mt Driven	4.85m rising	09:00 AM THU 13/01/11
Moonie R at Nindigully Br	2.63m falling slowly	09:00 AM THU 13/01/11
Moonie R at Nindigully *	4.76m falling	08:00 AM THU 13/01/11
Moonie R at Fenton *	4.85m falling	08:00 AM THU 13/01/11

* denotes automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 10:49 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease in the upper Moonie catchment between Southwood and Flinton, with rises occurring at Mt Driven. Minor to moderate flooding is easing in the Moonie River between Nindigully and Fenton with the flood peak currently downstream from the Fenton area.

Moderate flooding remains steady at a peak in the Moonie River at Southwood, where the river level at 9am Friday was 5.35 metres. Minor flooding is currently easing at Flinton, however renewed rises are expected to commence during the weekend which will result in a return to moderate flood levels early next week.

Moderate flooding is rising at Mt Driven as a result of upstream floodwaters arriving from both Teelba Creek and the Moonie River. At 9am Friday the river level was at 5.85 metres, which is just below the major flood level of 6 metres. Further rises and major flooding are possible during the weekend.

Minor flooding is easing between Nindigully and Thallon. At 7am Friday the river level at Thallon Bridge was 4.44 metres and falling. Moderate flooding continues to slowly ease downstream at Fenton, where at 8am Friday the river level was 4.73 metres.

Next Issue:
The next warning will be issued at about noon Saturday.

Latest River Heights:

Moonie R at Southwood	5.35m steady	09:00 AM FRI 14/01/11
Moonie R at Flinton	3.65m falling slowly	09:00 AM FRI 14/01/11
Moonie R at Flinton *	6.18m steady	08:00 AM FRI 14/01/11
Moonie R at Mt Driven	5.85m steady	09:00 AM FRI 14/01/11
Moonie R at Nindigully Br	2.62m rising slowly	09:00 AM FRI 14/01/11
Moonie R at Nindigully *	4.55m steady	08:00 AM FRI 14/01/11
Moonie R at Thallon Br	4.44m falling	07:00 AM FRI 14/01/11
Moonie R at Fenton *	4.73m falling	08:00 AM FRI 14/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 12:05 PM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue to ease slowly in the upper Moonie River at Southwood. Renewed rises and a return to moderate flood levels are expected at

Flinton early next week.

Moderate flooding is now easing in the Moonie River at Southwood, where the river level at 9am Saturday was 4.95 metres. Minor flood levels are beginning to slowly rise at Flinton, where a moderate flood peak is expected early next week.

A moderate flood peak of 5.85 metres was recorded at Mt Driven on Friday at 9am, and river levels are currently easing. Renewed rises are likely later in the weekend, with a moderate to major flood peak expected early next week.

Renewed rises with minor flooding are occurring in the Moonie River at Nindigully as upstream flood waters begin to arrive.

Minor to moderate flooding continues to ease downstream between Thallon and Fenton. At 7.30am Saturday the river level at Thallon Bridge was 4.16 metres and falling.

Next Issue:
The next warning will be issued at about noon Sunday.

Latest River Heights:

Moonie R at Southwood	4.95m falling	09:00 AM SAT 15/01/11
Moonie R at Flinton	3.65m rising slowly	09:00 AM SAT 15/01/11
Moonie R at Flinton *	5.98m steady	11:00 AM SAT 15/01/11
Moonie R at Mt Driven	5.4m falling slowly	09:00 AM SAT 15/01/11
Moonie R at Nindigully Br	2.95m rising	09:00 AM SAT 15/01/11
Moonie R at Nindigully *	4.83m steady	11:40 AM SAT 15/01/11
Moonie R at Fenton *	4.58m steady	10:10 AM SAT 15/01/11

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:30 AM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Moonie River between Flinton and Fenton. Renewed rises are occurring in the Flinton area, and further downstream in the Nindigully to Thallon area.

River levels have eased below minor in the Moonie River at Southwood. River rises and minor flooding is occurring at Flinton, where a moderate flood peak is expected early this week.

Minor flooding is currently easing at Mt Driven, where at 9am Sunday the river level was 4.95 metres. However renewed rises are expected with a moderate flood peak expected during this week.

Moderate flooding is rising in the Moonie River at Nindigully. Minor flooding is also rising downstream at Thallon Bridge, where at 6am Sunday the river level was 4.19 metres. Moderate flooding continues to ease further downstream at Fenton.

Next Issue:
The next warning will be issued at about noon Monday.

Latest River Heights:

Moonie R at Southwood	3m falling	08:30 AM SUN 16/01/11
Moonie R at Flinton	3.78m rising slowly	09:00 AM SUN 16/01/11
Moonie R at Flinton *	6.07m rising	08:00 AM SUN 16/01/11
Moonie R at Mt Driven	4.95m falling slowly	09:00 AM SUN 16/01/11
Moonie R at Nindigully Br	3.26m rising slowly	09:00 AM SUN 16/01/11
Moonie R at Nindigully *	5.19m rising slowly	08:00 AM SUN 16/01/11
Moonie R at Thallon Br	4.19m rising	06:00 AM SUN 16/01/11
Moonie R at Fenton *	4.46m steady	08:00 AM SUN 16/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:49 AM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Moonie River between Flinton and Fenton. Renewed rises are occurring in the Flinton area, and further downstream in the Thallon area.

River rises and minor flooding is occurring in the Moonie River at Flinton, where a moderate flood peak is expected during this week.

Minor flooding is currently easing at Mt Driven, where at 9:30am Monday the river level was 4.8 metres. However renewed rises are expected with a moderate flood peak expected during this week.

Moderate flooding is easing slowly in the Moonie River at Nindigully. Minor flooding is also rising downstream at Thallon Bridge, where at 6am Monday the river level was 4.65 metres. Moderate flooding continues to ease further downstream at Fenton.

Next Issue:
The next warning will be issued at about noon Tuesday.

Latest River Heights:

Moonie R at Southwood	2m falling	07:00 AM MON 17/01/11

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Moonie R at Flinton           3.8m steady   09:00 AM MON 17/01/11
Moonie R at Flinton *         6.12m steady  08:00 AM MON 17/01/11
Moonie R at Mt Driven         4.8m falling  09:30 AM MON 17/01/11
Moonie R at Nindigully Br     3.19m falling 09:00 AM MON 17/01/11
Moonie R at Nindigully *      5.23m steady  08:00 AM MON 17/01/11
Moonie R at Thallon Br        4.65m rising  06:00 AM MON 17/01/11
Moonie R at Fenton *          4.36m falling 08:00 AM MON 17/01/11

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:43 AM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Moonie River between Flinton and
Fenton, with the flood peak approaching the Thallon area.

Minor to moderate flooding is easing in the Moonie River between Flinton and
Nindigully. At 9am Tuesday the river level at Mt Driven was 4.85 metres and
steady with minor flooding.

Moderate flooding is rising downstream between Thallon and Fenton. At 6am
Tuesday the river level at Thallon Bridge was 4.84 metres and nearing a peak.

Next Issue:
The next warning will be issued at about noon Wednesday.

Latest River Heights:
Moonie R at Flinton           3.67m falling slowly 09:00 AM TUE 18/01/11
Moonie R at Flinton *         6.05m falling        08:00 AM TUE 18/01/11
Moonie R at Mt Driven         4.85m steady         09:00 AM TUE 18/01/11
Moonie R at Nindigully Br     3.04m falling slowly 09:00 AM TUE 18/01/11
Moonie R at Nindigully *      5.14m falling slowly 08:00 AM TUE 18/01/11
Moonie R at Thallon Br        4.84m rising slowly  06:00 AM TUE 18/01/11
Moonie R at Fenton *          4.37m rising slowly  08:00 AM TUE 18/01/11

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 11:38 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Moonie River between Flinton and Nindigully. Moderate to major flooding is occurring downstream between Thallon and Fenton, with the flood peak currently downstream from the Thallon area. At 6am Wednesday the river level at Thallon Bridge was 4.76 metres and falling.

Further scattered showers and thunderstorms are forecast for this afternoon and evening, with possible moderate to heavy falls.

Next Issue:
The next warning will be issued at about noon Thursday.

Latest River Heights:

Moonie R at Flinton	3m falling fast	09:00 AM WED 19/01/11
Moonie R at Flinton *	5.49m falling	08:30 AM WED 19/01/11
Moonie R at Mt Driven	4.9m steady	09:30 AM WED 19/01/11
Moonie R at Nindigully Br	2.96m falling	06:00 AM WED 19/01/11
Moonie R at Nindigully *	5.05m steady	08:00 AM WED 19/01/11
Moonie R at Thallon	5.1m steady	12:00 PM TUE 18/01/11
Moonie R at Thallon Bridge	4.76m falling slowly	06:00 AM WED 19/01/11
Moonie R at Fenton *	4.54m steady	08:20 AM WED 19/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 9:45 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Moonie River between Flinton and Nindigully. Moderate flooding is occurring downstream between Thallon and Fenton, with the flood peak currently approaching Fenton. At 6am Thursday the river level at Thallon Bridge was 4.68 metres and falling. A peak of about 4.7 metres is expected at Fenton in the next 36 hours.

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Next Issue:
The next warning will be issued by 11am Friday.

Latest River Heights:
Moonie R at Flinton           2.4m falling slowly  06:00 AM THU 20/01/11
Moonie R at Flinton *         4.48m steady         08:10 AM THU 20/01/11
Moonie R at Mt Driven         4.55m falling        09:00 AM THU 20/01/11
Moonie R at Nindigully Br     2.95m steady         09:00 AM THU 20/01/11
Moonie R at Nindigully *      5.01m steady         08:00 AM THU 20/01/11
Moonie R at Thallon Bridge    4.68m falling slowly 06:00 AM THU 20/01/11
Moonie R at Fenton *          4.66m steady         08:00 AM THU 20/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE MOONIE RIVER
Issued at 7:48 AM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues between Mt Driven and Nindigully. Small renewed rises
may occur but levels at Nindigully will fall through the weekend. Moderate
flooding is occurring downstream between Thallon and Fenton, with the flood peak
currently in the Fenton area. At 6am Friday, the river level at Thallon Bridge
was 4.6 metres and falling.

Next Issue:
The next warning will be issued by 10:30am Saturday.

Latest River Heights:
Moonie R at Flinton           2.15m falling slowly 06:00 AM FRI 21/01/11
Moonie R at Flinton *         4.05m falling        05:40 AM FRI 21/01/11
Moonie R at Mt Driven         4.25m falling        06:00 PM THU 20/01/11
Moonie R at Nindigully Br     2.95m steady         06:00 AM FRI 21/01/11
Moonie R at Nindigully *      5.02m steady         05:00 AM FRI 21/01/11
Moonie R at Thallon Bridge    4.6m falling slowly  06:00 AM FRI 21/01/11
Moonie R at Fenton *          4.67m steady         04:00 AM FRI 21/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM621

IDQ20840

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE MOONIE RIVER
Issued at 9:10 AM on Saturday the 22nd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues at Nindigully and are expected to continue falling. Moderate flooding is occurring downstream between Thallon and Fenton, with the flood peak currently around the Fenton area. At 8am Saturday, the river level at Fenton was 4.6 metres and falling very slowly. Levels will remain around the current level through the weekend before falling through next week.

Next Issue:
This is the final warning. River height bulletins will continue to be issued and updates will appear in the flood warning summary.

Latest River Heights:

Moonie R at Flinton	1.59m falling slowly	06:00 AM SAT 22/01/11
Moonie R at Flinton *	3.22m falling	08:10 AM SAT 22/01/11
Moonie R at Mt Driven	3m falling	06:00 PM FRI 21/01/11
Moonie R at Nindigully Br	2.86m falling	06:00 AM SAT 22/01/11
Moonie R at Nindigully *	4.96m steady	08:00 AM SAT 22/01/11
Moonie R at Thallon Bridge	4.59m falling slowly	06:00 AM SAT 22/01/11
Moonie R at Fenton *	4.59m falling	08:20 AM SAT 22/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(26)"

FLDWARN for the Warrego River basin

1 December 2010 to 31 January 2011

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:40 AM on Wednesday the 1st of December 2010
by the Bureau of Meteorology, Brisbane.


Minor flooding continues in the Nive and Warrego Rivers.

In the Nive River at Biddenham minor flood levels are expected to continue
easing into Thursday. Minor flood levels at The 27 Mile Garden are currently
easing following a peak overnight at 2.71 metres. River levels at Charleville
are expected to remain below minor flood level.

River levels at Bakers Bend continue to ease with renewed rises possible later
this week following rainfall in the Ward River catchment. River levels at
Wyandra will stay below minor this week with minor flooding occurring in the
Wallen area. Moderate flooding is forecast downstream between Cunnamulla and
Rocky into next week.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:
Warrego R at Augathella *         2.15m falling       08:00 AM WED 01/12/10
Nive R at Biddenham *             2.44m steady        08:40 AM WED 01/12/10
Warrego R at The 27 Mile Garden * 2.54m falling       08:00 AM WED 01/12/10
Ward R at Binnowee *              3.85m falling       08:20 AM WED 01/12/10
Warrego R at Bakers Bend *        4.77m falling       08:50 AM WED 01/12/10
Warrego R at Wyandra *            5.51m steady        08:00 AM WED 01/12/10
Warrego R at Wallen               5.05m rising slowly 09:00 AM WED 01/12/10
Warrego R at Wallen *             5.48m rising        08:00 AM WED 01/12/10
Warrego R at Cunnamulla Weir *    6.38m steady        08:00 AM WED 01/12/10
Warrego R at Rocky                2.74m rising        06:00 AM WED 01/12/10
Warrego R at Barringun No.2       1.37m steady        08:00 AM WED 01/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM623
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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:19 AM on Thursday the 2nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Nive River above Charleville. Minor flooding continues a slow rise further downstream between Wallen and Rocky.

Minor flood levels are expected to continue easing along the Nive River at Biddenham. River levels at Charleville are expected to remain below minor flood level.

River levels at Bakers Bend continue to ease with renewed rises and a return to minor flood levels possible later this week. River levels at Wyandra will stay below minor this week. Minor flooding continues a slow rise in the Wallen area and downstream through to Rocky, with moderate flooding forecast between Cunnamulla and Rocky going into this weekend and next week.

Weather Forecast:
Scattered showers and thunderstorms tending isolated in the far southwest.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Warrego R at Augathella *	1.95m falling	08:00 AM THU 02/12/10
Nive R at Biddenham *	2.22m steady	08:20 AM THU 02/12/10
Warrego R at The 27 Mile Garden *	1.97m falling	08:40 AM THU 02/12/10
Ward R at Binnowee *	3.07m falling	08:10 AM THU 02/12/10
Warrego R at Bakers Bend *	4.19m falling	08:30 AM THU 02/12/10
Warrego R at Wyandra *	5.33m falling	08:00 AM THU 02/12/10
Warrego R at Wallen *	5.87m rising	08:00 AM THU 02/12/10
Warrego R at Cunnamulla Weir *	6.62m rising	08:20 AM THU 02/12/10
Warrego R at Rocky	3.34m rising	09:00 AM THU 02/12/10
Warrego R at Barringun No.2	1.85m steady	07:00 AM THU 02/12/10

* automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:51 AM on Friday the 3rd of December 2010

by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease in the Nive River above Charleville. Minor flooding continues a slow rise further downstream between Wallen and Rocky.

Minor flood levels are expected to continue easing along the Nive River at Biddenham. River levels at Charleville are expected to remain below minor flood level.

River levels at Bakers Bend continue to ease with renewed rises and a return to minor flood level possible into the weekend. River levels at Wyandra will stay below minor this week. Minor flooding has peaked in the Wallen area with minor to moderate flooding rising between Cunnamulla and Rocky. A moderate flood peak of around 7.0 metres is expected at Cunnamulla in the early hours of Saturday morning.

Predicted River Heights/Flows:
Cunnamulla: Peak around 7.0 metres early Saturday morning.

Weather Forecast:
Scattered showers and thunderstorms, with rain areas clearing east during the evening. Some moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Warrego R at Lochinvar	3.50m rising	09:00 AM FRI 03/12/10
Hoganthulla Ck at Wetlands	3.80m steady	09:00 AM FRI 03/12/10
Warrego R at Augathella *	2.00m rising	08:10 AM FRI 03/12/10
Nive R at Biddenham *	2.17m steady	08:00 AM FRI 03/12/10
Warrego R at The 27 Mile Garden *	1.57m steady	08:20 AM FRI 03/12/10
Warrego R at Charleville	1.95m falling	08:30 AM FRI 03/12/10
Ward R at Binnowee *	2.17m falling	08:20 AM FRI 03/12/10
Warrego R at Bakers Bend *	3.74m falling	08:30 AM FRI 03/12/10
Warrego R at Wyandra *	4.87m falling	08:00 AM FRI 03/12/10
Warrego R at Wallen *	5.77m falling	08:00 AM FRI 03/12/10
Warrego R at Cunnamulla Weir *	6.83m rising	08:10 AM FRI 03/12/10
Warrego R at Rocky	3.76m rising	09:00 AM FRI 03/12/10
Warrego R at Barringun No.2	2.07m rising	08:00 AM FRI 03/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER

Issued at 12:15 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall overnight has led to sharp river level rises in the upper Warrego catchment. Moderate flood levels should be expected over the weekend at Augathella with further rises possible. More rainfall is forecast.

Heavy rainfall in the upper Warrego catchment overnight has resulted in sharp rises along Hoganthulla Creek at Wetlands and at Lochinvar along the Warrego River with minor to moderate flood levels. Fast river level rises should be expected at Augathella today with moderate river levels of at least 5 metres forecast through the weekend.

Minor flood levels are expected to continue falling along the Nive River at Biddenham. River levels at Charleville are expected to rise over the weekend with a flood level of at least around 4 metres expected early next week. Further forecasts will be made as upstream peaks are observed.

River levels at Bakers Bend continue to ease with renewed rises next week. River levels at Wyandra will stay below minor this week. Minor to moderate flooding is rising between Cunnamulla and Rocky. A moderate flood peak of around 7.0 metres is expected at Cunnamulla during Saturday.

Predicted River Heights/Flows:
Cunnamulla: Peak around 7.0 metres early Saturday morning.

Weather Forecast:
Scattered showers and thunderstorms, with rain areas clearing east during the evening. Some moderate to heavy falls.

Next Issue:
The next warning will be issued at about 4pm Friday.

Latest River Heights:

Warrego R at Lochinvar	3.5m rising	09:00 AM FRI 03/12/10
Hoganthulla Ck at Wetlands	4.6m falling slowly	11:00 AM FRI 03/12/10
Warrego R at Augathella *	2.08m rising	11:40 AM FRI 03/12/10
Nive R at Biddenham *	2.15m steady	11:20 AM FRI 03/12/10
Warrego R at The 27 Mile Garden *	1.55m steady	11:00 AM FRI 03/12/10
Warrego R at Charleville	1.95m falling	08:30 AM FRI 03/12/10
Ward R at Binnowee *	2.05m falling	11:40 AM FRI 03/12/10
Warrego R at Bakers Bend *	3.65m falling	11:20 AM FRI 03/12/10
Warrego R at Wyandra *	4.82m falling	11:00 AM FRI 03/12/10
Warrego R at Wallen	5.28m falling slowly	08:30 AM FRI 03/12/10
Warrego R at Wallen *	5.74m falling	11:00 AM FRI 03/12/10
Warrego R at Cunnamulla Weir *	6.84m rising	11:00 AM FRI 03/12/10
Warrego R at Rocky	3.76m rising	09:00 AM FRI 03/12/10
Warrego R at Barringun No.2	2.07m rising	09:00 AM FRI 03/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 3:54 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall overnight has led to sharp river level rises in the upper Warrego catchment. Moderate flood levels should be expected over the weekend at Augathella with further rises possible.

Heavy rainfall in the upper Warrego catchment overnight has resulted in sharp rises along Hoganthulla Creek at Wetlands and at Lochinvar along the Warrego River with minor to moderate flood levels. River level rises should be expected at Augathella during Saturday with moderate river levels of at least 5 metres forecast over the weekend.

Minor flood levels are expected to continue falling along the Nive River at Biddenham. River levels at Charleville are expected to rise over the weekend with a flood level of at least around 4 metres expected early next week. Further forecasts will be made as upstream peaks are observed.

River levels at Bakers Bend continue to ease with renewed rises next week. River levels at Wyandra will stay below minor this week. Minor to moderate flooding is rising between Cunnamulla and Rocky. A moderate flood peak of around 7.0 metres is expected at Cunnamulla during Saturday.

Predicted River Heights/Flows:
Cunnamulla: Peak around 7.0 metres early Saturday morning.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Warrego R at Lochinvar	3.5m rising	09:00 AM FRI 03/12/10
Hoganthulla Ck at Wetlands	3.6m steady	03:00 PM FRI 03/12/10
Warrego R at Augathella *	2.08m steady	02:00 PM FRI 03/12/10
Nive R at Biddenham *	2.13m steady	02:30 PM FRI 03/12/10
Warrego R at The 27 Mile Garden *	1.54m steady	02:00 PM FRI 03/12/10
Warrego R at Charleville	1.95m falling	08:30 AM FRI 03/12/10
Ward R at Binnowee *	1.94m falling	02:20 PM FRI 03/12/10
Warrego R at Bakers Bend *	3.54m falling	02:30 PM FRI 03/12/10
Warrego R at Wyandra *	4.77m falling	02:00 PM FRI 03/12/10
Warrego R at Wallen	5.28m falling slowly	08:30 AM FRI 03/12/10
Warrego R at Wallen *	5.66m falling	02:00 PM FRI 03/12/10
Warrego R at Cunnamulla Weir *	6.86m steady	02:00 PM FRI 03/12/10
Warrego R at Rocky	3.84m rising	03:00 PM FRI 03/12/10
Warrego R at Barringun No.2	2.13m steady	02:00 PM FRI 03/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 11:14 AM on Saturday the 4th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to rise at Augathella with minor flood levels forecast for Charleville early next week. Moderate flood levels are easing at Cunnamulla Weir following a peak recorded early Saturday morning.

River level rises causing moderate flooding are being recorded in the upper Warrego River at Augathella where a peak of around 5.7 metres is expected during Saturday. Rainfall recorded in the 24 hours to 9am this morning in the Nive River to Biddenham will produce river level rises and a return to minor flood levels.

River levels at Charleville are expected to commence rising over the weekend. The river level is expected to exceed 4 metres early next week causing only minor flooding at Charleville. Further forecasts will be made as upstream peaks are observed.

River levels at Bakers Bend continue to ease with renewed rises expected next week. River levels at Wyandra will stay below minor during the weekend before rising again next week. Minor to moderate flooding is rising between Cunnamulla and Rocky. A moderate flood peak of around 6.89 metres was recorded at Cunnamulla Weir during the early hours of Saturday.

Predicted River Heights/Flows:
Warrego River at:

Augathella	Peak around 5.7 metres Saturday
Charleville	Exceed 4.0 metres early next week

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Warrego R at Lochinvar	2.50m	falling slowly	09:00 AM SAT 04/12/10
Warrego R at Augathella *	5.36m	rising	08:20 AM SAT 04/12/10
Nive R at Biddenham *	1.93m	steady	08:30 AM SAT 04/12/10
Warrego R at The 27 Mile Garden *	1.56m	steady	08:30 AM SAT 04/12/10
Ward R at Oakpark	2.00m	steady	06:00 AM SAT 04/12/10
Ward R at Binnowee *	1.83m	falling	08:20 AM SAT 04/12/10
Warrego R at Bakers Bend *	2.94m	falling	08:30 AM SAT 04/12/10
Warrego R at Wyandra *	4.58m	steady	08:00 AM SAT 04/12/10
Warrego R at Wallen *	5.27m	steady	08:00 AM SAT 04/12/10
Warrego R at Cunnamulla Weir *	6.88m	steady	08:00 AM SAT 04/12/10
Warrego R at Rocky	3.99m	rising slowly	06:00 AM SAT 04/12/10
Warrego R at Barringun No.2	2.44m	steady	10:00 AM SAT 04/12/10

* from automatic station

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:13 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing on the Warrego River at Augathella. Minor flooding is rising at the 27 Mile Garden with moderate flooding expected during Sunday, which will see a return to minor flood levels at Charleville in the next few days. Moderate flooding is nearing a peak at Rocky.

A moderate flood peak of 5.68 metres was recorded in the upper Warrego River at Augathella at midnight Saturday, with moderate flood levels currently easing. Minor flooding is easing in the Nive River at Biddenham.

River rises and minor flooding is occurring at the 27 Mile Garden, with moderate flooding expected during Sunday. River rises and some minor flooding is expected downstream at Charleville during the next few days. Further forecasts will be made once upstream peaks are observed.

Renewed rises and minor flooding are occurring on the Ward River at Oakpark. River levels at Bakers Bend continue to ease with renewed rises and a return to minor flood levels expected during this week.

Minor flooding is easing downstream at Cunnamulla, with moderate flooding nearing a peak at Rocky during Sunday. At 8am the river level at Rocky was 4.09 metres, which is about 3.09 metres above the level of the crossing.

Predicted River Heights/Flows:
Warrego River at:

Charleville Exceed 4.0 metres (minor) early this week.

Weather Forecast:
Fine, with increasing scattered showers and thunderstorms developing during this week.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Warrego R at Lochinvar	1.4m falling	09:00 AM SUN 05/12/10
Warrego R at Augathella *	5.57m falling	08:20 AM SUN 05/12/10
Nive R at Biddenham *	2.2m falling	08:30 AM SUN 05/12/10
Warrego R at The 27 Mile Garden *	2.38m rising	08:40 AM SUN 05/12/10
Ward R at Oakpark	2.5m rising slowly	05:30 AM SUN 05/12/10
Ward R at Binnowee *	1.73m steady	08:00 AM SUN 05/12/10
Warrego R at Bakers Bend *	2.24m steady	08:20 AM SUN 05/12/10

Warrego R at Wyandra *	4.12m falling	08:00 AM SUN 05/12/10
Warrego R at Wallen *	4.76m falling	08:00 AM SUN 05/12/10
Warrego R at Cunnamulla Br	6.95m steady	09:00 AM SUN 05/12/10
Warrego R at Cunnamulla Weir *	6.74m steady	08:00 AM SUN 05/12/10
Warrego R at Rocky	4.09m steady	09:00 AM SUN 05/12/10
Warrego R at Barringun No.2	2.77m steady	08:00 AM SUN 05/12/10

* automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:19 AM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is nearing a peak on the upper Warrego River at the 27 Mile Garden, with river levels rising downstream at Charleville but expected to remain below the minor flood level of 4 metres. River levels continue to ease along the lower Warrego River downstream from Bakers Bend, with minor to moderate flooding easing at Cunnamulla and Rocky.

Minor flooding continues to ease in the Nive River at Biddenham, with minor flooding nearing a peak on the upper Warrego River at the 27 Mile Garden. River rises are occurring downstream at Charleville during the next few days, but are expected to remain below minor flood level.

River levels on the lower Warrego River at Bakers Bend continue to ease with renewed rises and a return to minor flood levels expected later this week.

Minor flooding continues to ease downstream at Cunnamulla. A moderate flood peak of 4.1 metres was recorded at Rocky around 3pm Sunday, with moderate flood levels currently slowly easing.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:

Warrego R at Lochinvar	2.45m falling	09:00 AM MON 06/12/10
Warrego R at Augathella *	3.7m rising	08:20 AM MON 06/12/10
Nive R at Biddenham *	2.47m steady	08:00 AM MON 06/12/10
Warrego R at The 27 Mile Garden *	2.9m rising	08:30 AM MON 06/12/10
Warrego R at Charleville	2.2m rising	07:00 AM MON 06/12/10
Ward R at Binnowee *	1.68m steady	08:00 AM MON 06/12/10

Warrego R at Bakers Bend *	2.21m steady	08:00 AM MON 06/12/10
Warrego R at Wyandra *	3.54m falling	08:00 AM MON 06/12/10
Warrego R at Wallen *	4.1m falling	08:00 AM MON 06/12/10
Warrego R at Cunnamulla Br	6.75m steady	07:00 AM MON 06/12/10
Warrego R at Cunnamulla Weir *	6.57m steady	08:00 AM MON 06/12/10
Warrego R at Rocky	4.05m falling slowly	09:00 AM MON 06/12/10
Warrego R at Barringun No.2	2.99m steady	08:00 AM MON 06/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:38 AM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels continue to ease on the upper Warrego River at Charleville, with minor flooding generally easing on the Ward River and along the lower Warrego River through to Cunnamulla and Rocky.

Minor flooding continues to ease in the Nive River at Biddenham, with minor flooding easing on the upper Warrego River at the 27 Mile Garden. River rises are occurring downstream at Charleville during the next few days, but will remain below minor flood level.

Minor flooding is easing on the Ward River at Oakpark, with river rises downstream at Binnowee expected to remain below minor flood level.

River levels on the lower Warrego River at Bakers Bend are rising, with river levels likely to reach the minor flood level of 5 metres later this week. Minor flooding continues to ease downstream between Cunnamulla and Rocky.

Weather Forecast:
Scattered showers and thunderstorms, mostly afternoon and evening.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Warrego R at Augathella *	3.36m falling	08:20 AM TUE 07/12/10
Nive R at Biddenham *	2.14m falling	08:30 AM TUE 07/12/10
Warrego R at The 27 Mile Garden *	2.83m steady	08:20 AM TUE 07/12/10
Warrego R at Charleville	3m rising slowly	07:30 AM TUE 07/12/10
Langlo R at Warilda	2.05m falling	06:00 AM TUE 07/12/10
Ward R at Oakpark	NA	
Ward R at Binnowee *	2.15m rising	08:00 AM TUE 07/12/10
Warrego R at Bakers Bend *	2.73m rising	08:40 AM TUE 07/12/10

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Warrego R at Murweh                NA
Warrego R at Wyandra *             3.18m steady         08:00 AM TUE 07/12/10
Warrego R at Wallen *              3.26m falling        08:00 AM TUE 07/12/10
Warrego R at Cunnamulla Br         6.56m falling        09:00 AM TUE 07/12/10
Warrego R at Cunnamulla Weir *     6.43m falling        08:00 AM TUE 07/12/10
Warrego R at Rocky                 3.94m falling slowly 09:00 AM TUE 07/12/10
Warrego R at Barringun No.2        3.13m steady         09:00 AM TUE 07/12/10

* denotes automatic station.


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 5:16 PM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.


Severe thunderstorms with localised very heavy rainfall are affecting the upper
Warrego catchment and tributaries. Fast river rises are likely to occur in the
areas of heaviest rain, including the possibility of fast stream rises and
flooding in Angellala Creek and in Bradleys Creek at Charleville.

Minor flooding continues to ease in the Nive River at Biddenham, with minor
flooding easing on the upper Warrego River at the 27 Mile Garden.

Minor flooding is easing on the Ward River at Oakpark, with river rises
downstream at Binnowee expected to remain below minor flood level.

River levels on the lower Warrego River at Bakers Bend are rising, with river
levels likely to reach the minor flood level of 5 metres later this week. Minor
flooding continues to ease downstream between Cunnamulla and Rocky.

Weather Forecast:
A severe thunderstorm warning is current for the area.

Next Issue:
The next warning will be issued by 10am Wednesday.

Latest River Heights:
Warrego R at Lochinvar             1.45m falling slowly 09:00 AM TUE 07/12/10
Warrego R at Augathella *          3.06m steady         04:00 PM TUE 07/12/10
Nive R at Biddenham *              2.02m steady         04:30 PM TUE 07/12/10
Warrego R at The 27 Mile Garden *  2.68m falling        04:30 PM TUE 07/12/10
Warrego R at Charleville           3.2m rising slowly   04:30 PM TUE 07/12/10
Langlo R at Warilda                1.95m falling        09:00 AM TUE 07/12/10
Ward R at Binnowee *               2.27m steady         04:10 PM TUE 07/12/10
Warrego R at Bakers Bend *         3.03m rising         04:20 PM TUE 07/12/10
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Warrego R at Wyandra *	3.16m steady	04:00 PM TUE 07/12/10
Warrego R at Wallen *	3.02m falling	04:00 PM TUE 07/12/10
Warrego R at Cunnamulla Br	6.5m falling slowly	03:20 PM TUE 07/12/10
Warrego R at Cunnamulla Weir *	6.37m steady	04:20 PM TUE 07/12/10
Warrego R at Rocky	3.86m falling slowly	03:00 PM TUE 07/12/10
Warrego R at Barringun No.2	3.16m steady	04:00 PM TUE 07/12/10

*automatic station

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public and satellite phones.

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:59 AM on Wednesday the 8th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent heavy rainfall will result in renewed rises across the upper Warrego River catchment during the next few days. Renewed rises and moderate flooding is expected at the 27 Mile Garden within 24 to 48 hours, with river rises and some minor flooding expected at Charleville going into the weekend. Minor flooding continues to ease along the lower Warrego River between Cunnamlla and Rocky.

The heaviest 24 hr rainfall totals recorded to 9am Wednesday include Raceview 51mm, Bakers Bend 50mm, Boothulla 52, Toliness 48mm, and generally 15mm to 25mm elsewhere north of Charleville.

Minor flooding continues to ease on the upper Warrego River at the 27 Mile Garden, whilst river levels remain below minor flood level downstream at Charleville. Recent rainfall is expected to cause stream rises across the upper Warrego catchment and in Bradleys Creek and along the Angellalla River to the east of Charleville.

River rises are occurring on the Ward River at Binnowee, but are expected to remain below minor flood level.

River levels on the lower Warrego River at Bakers Bend are rising, with river levels likely to reach the minor flood level of 5 metres later this week. Minor flooding continues to ease downstream between Cunnamulla and Rocky.

Weather Forecast:
Patchy rain areas and isolated thunderstorms in the north during the morning. Scattered showers and thunderstorms in the west in the afternoon and evening, isolated in the east.

Next Issue:
The next warning will be issued at about 10am Thursday.

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Latest River Heights:
Warrego R at Lochinvar            2.3m rising slowly   08:00 AM WED 08/12/10
Warrego R at Augathella *         2.71m falling        08:00 AM WED 08/12/10
Nive R at Biddenham *             1.88m steady         08:00 AM WED 08/12/10
Warrego R at The 27 Mile Garden * 2.56m steady         08:00 AM WED 08/12/10
Bradley Ck at Raceview *          NA
Warrego R at Charleville          3.34m falling slowly 06:00 AM WED 08/12/10
Bradleys Gully at Charleville     NA
Ward R at Binnowee *              2.58m steady         08:00 AM WED 08/12/10
Angellala Ck at Authoringa        NA
Warrego R at Bakers Bend *        3.6m rising          08:30 AM WED 08/12/10
Warrego R at Murweh               NA
Warrego R at Wyandra *            3.25m rising         08:00 AM WED 08/12/10
Warrego R at Wallen *             2.74m falling        08:00 AM WED 08/12/10
Warrego R at Cunnamulla Br        6.35m falling        07:40 AM WED 08/12/10
Warrego R at Cunnamulla Weir *    6.24m steady         08:00 AM WED 08/12/10
Warrego R at Rocky                3.65m falling        09:30 AM WED 08/12/10
Warrego R at Barringun No.2       3.25m steady         09:00 AM WED 08/12/10

* denotes automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:47 AM on Thursday the 9th of December 2010
by the Bureau of Meteorology, Brisbane.


Renewed rises and minor flooding is occurring on the upper Warrego River at the
27 Mile Garden, with river rises and some minor flooding likely at Charleville
during the weekend. Moderate flooding is easing on the Ward River at Oakpark.
Minor flooding continues to ease along the lower Warrego River between
Cunnamulla and Rocky.

Renewed rises and minor flooding is occurring on the upper Warrego River at the
27 Mile Garden, whilst river levels remain below minor flood level downstream at
Charleville. Recent rainfall is expected to cause stream rises across the upper
Warrego catchment and along the Angellalla River to the east of Charleville.

Moderate flood levels are easing on the Ward River at Oakpark, whilst downstream
at Binnowee river rises are occurring but are expected to remain below minor
flood level.

River levels on the lower Warrego River are rising between Bakers Bend and
Wallen, with minor flooding continuing to ease downstream between Cunnamulla and
Rocky.

Weather Forecast:
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Scattered showers and thunderstorms southwest of about Charleville, increasing to rain during the afternoon. Isolated showers and thunderstorms in the northeast during the afternoon and evening.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Warrego R at Lochinvar	1m falling slowly	09:00 AM THU 09/12/10
Warrego R at Augathella *	2.6m steady	08:00 AM THU 09/12/10
Nive R at Biddenham *	1.79m steady	08:00 AM THU 09/12/10
Warrego R at The 27 Mile Garden *	2.48m rising	08:30 AM THU 09/12/10
Warrego R at Charleville	NA	
Ward R at Oakpark	3.5m falling	08:00 AM THU 09/12/10
Ward R at Binnowee *	2.78m rising	08:00 AM THU 09/12/10
Angellala Ck at Authoringa	NA	
Warrego R at Bakers Bend *	3.99m steady	08:00 AM THU 09/12/10
Warrego R at Murweh	NA	
Warrego R at Wyandra *	3.81m rising	08:00 AM THU 09/12/10
Warrego R at Wallen *	2.81m rising	08:00 AM THU 09/12/10
Warrego R at Cunnamulla Br	6.17m falling	09:20 AM THU 09/12/10
Warrego R at Cunnamulla Weir *	6.09m steady	08:20 AM THU 09/12/10
Warrego R at Rocky	3.65m falling	09:30 AM WED 08/12/10
Warrego R at Barringun No.2	3.36m steady	08:00 AM THU 09/12/10

* denotes automatic station.

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:35 AM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring on the Nive River at Biddenham and on the upper Warrego River at the 27 Mile Garden, with river levels at Charleville expected to remain below minor flood level. Minor to moderate flooding is occurring along the Ward River. River levels are rising along the lower Warrego River with minor flooding continuing between Cunnamulla and Rocky.

Renewed rises and minor flooding is occurring on the Nive River at Biddenham, whilst minor flooding is easing on the upper Warrego River at the 27 Mile Garden. River levels downstream at Charleville will remain below minor flood level.

Renewed rises and minor flooding is rising on the Ward River at Warilda, whilst moderate flood levels are easing downstream at Oakpark.

River levels on the lower Warrego River are slowly rising between Bakers Bend and Cunnamulla. High river levels and minor flooding are expected to continue for the next few weeks between Cunnamulla and Rocky.

Weather Forecast:
Scattered showers and thunderstorms, tending to rain areas with possible moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Warrego R at Augathella *	2.35m steady	08:00 AM FRI 10/12/10
Nive R at Biddenham *	2.13m rising	08:30 AM FRI 10/12/10
Warrego R at The 27 Mile Garden *	2.03m falling	08:40 AM FRI 10/12/10
Warrego R at Charleville	NA	
Langlo R at Warilda	3.45m rising	09:00 AM FRI 10/12/10
Ward R at Oakpark	4.6m falling	06:30 AM FRI 10/12/10
Ward R at Binnowee *	3.25m rising	08:20 AM FRI 10/12/10
Angellala Ck at Authoringa	NA	
Warrego R at Bakers Bend *	3.99m rising	08:30 AM FRI 10/12/10
Warrego R at Murweh	NA	
Warrego R at Wyandra *	4.34m steady	08:00 AM FRI 10/12/10
Warrego R at Wallen	1.4m steady	09:00 AM FRI 10/12/10
Warrego R at Cunnamulla Br	6.17m falling	09:20 AM THU 09/12/10
Warrego R at Cunnamulla Weir *	6.07m steady	08:00 AM FRI 10/12/10
Warrego R at Rocky	NA	
Warrego R at Barringun No.2	3.43m steady	07:00 AM FRI 10/12/10

* denotes automatic station.

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 4:37 PM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is occurring on the Nive River at Biddenham and on the upper Warrego River at The 27 Mile Garden. Moderate flooding is occurring along the Langlo River with major flood levels expected at Warilda over the weekend. Heavy rainfall has been recorded at Binnowee (59mm), Biddenham (39mm) and Warilda (41mm) in the 24 hours to 4pm.

Renewed rises and minor flooding are occurring on the Nive River at Biddenham, whilst minor flooding is easing on the upper Warrego River at The 27 Mile Garden. River levels at Charleville are likely to remain below minor flood

level.

Renewed rises and moderate flooding are rising on the Ward River at Warilda. Major flood levels are likely overnight following continued rainfall during Friday. At Oak Park on The Langlo river, moderate flood levels continue and are expected to rise again with the renewed rainfall. Moderate flood levels are possible at Binnowee during next week.

River levels on the lower Warrego River are rising between Bakers Bend and Cunnamulla. High river levels and minor flooding are expected to continue for the next few weeks between Cunnamulla and Rocky. Further rises are likely from recent rainfall.

Weather Forecast:
Scattered showers and thunderstorms, tending to rain areas with possible moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Warrego R at Augathella *	2.3m steady	03:00 PM FRI 10/12/10
Nive R at Biddenham *	2.47m rising	03:50 PM FRI 10/12/10
Warrego R at The 27 Mile Garden *	1.68m falling	03:30 PM FRI 10/12/10
Bradley Ck at Raceview *	0.03m steady	03:00 PM FRI 10/12/10
Langlo R at Warilda	4.5m rising	03:00 PM FRI 10/12/10
Ward R at Oakpark	4.4m falling	03:00 PM FRI 10/12/10
Ward R at Binnowee *	3.96m rising	03:40 PM FRI 10/12/10
Warrego R at Bakers Bend *	4.16m rising	03:30 PM FRI 10/12/10
Warrego R at Wyandra *	4.41m steady	03:00 PM FRI 10/12/10
Warrego R at Wallen	1.4m steady	09:00 AM FRI 10/12/10
Warrego R at Wallen *	3.71m rising	03:00 PM FRI 10/12/10
Warrego R at Cunnamulla Br	6.2m rising slowly	03:30 PM FRI 10/12/10
Warrego R at Cunnamulla Weir *	6.1m steady	03:20 PM FRI 10/12/10
Warrego R at Barringun No.2	3.46m steady	04:00 PM FRI 10/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:59 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is rising on the Nive River at Biddenham and on the upper Warrego

River at The 27 Mile Garden. Moderate flooding is easing along the Langlo River between Warilda and Oakpark, with moderate flooding expected downstream at Binnowee during next week. Moderate flooding continues in the Cunnamulla and Rocky area.

The heaviest rainfall totals recorded during the 24 hour period to 9am Saturday include Biddenham 55mm, Drensmaine 28mm, and up to 24mm generally across the upper Warrego catchment.

Minor flooding is expected to continue to rise on the Nive River at Biddenham. River rises are occurring in the upper Warrego River at Lochinvar and Augathella following recent rainfall. Minor flooding is rising on the upper Warrego River at The 27 Mile Garden, with river levels likely to reach the moderate flood level of 3 metres early next week. River rises are expected downstream at Charleville but likely to remain below minor flood level.

Moderate flooding is currently easing on the Ward River at Warilda following a major flood peak of 5.05 metres recorded at 6am Saturday. Moderate flooding is occurring on the Langlo River at Oak Park, with renewed rises expected during the next few days. Minor flooding is occurring further downstream at Binnowee, with further rises and moderate flooding during next week.

River rises are occurring along the lower Warrego River between Bakers Bend and Cunnamulla, with river levels at Bakers Bend expected to exceed the minor flood level of 5 metres during Saturday. High river levels causing minor to moderate flooding are expected along the lower Warrego River during next week. Minor flooding continues in the Cunnamulla and Rocky areas.

Weather Forecast:
Rain areas, showers and isolated thunderstorms in the north and east. Isolated showers elsewhere.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Warrego R at Lochinvar	2.85m rising fast	09:00 AM SAT 11/12/10
Warrego R at Augathella *	2.95m rising	08:20 AM SAT 11/12/10
Nive R at Biddenham *	2.8m steady	08:00 AM SAT 11/12/10
Warrego R at The 27 Mile Garden *	2.07m rising	08:40 AM SAT 11/12/10
Bradley Ck at Raceview *	0.03m steady	08:00 AM SAT 11/12/10
Warrego R at Charleville	2.11m steady	09:40 AM SAT 11/12/10
Langlo R at Warilda	4.95m falling slowly	09:00 AM SAT 11/12/10
Ward R at Oakpark	4.2m falling	07:15 PM FRI 10/12/10
Ward R at Binnowee *	4.47m falling	08:00 AM SAT 11/12/10
Angellala Ck at Authoringa	NA	
Warrego R at Bakers Bend *	4.95m rising	08:30 AM SAT 11/12/10
Warrego R at Murweh	NA	
Warrego R at Wyandra *	4.49m steady	08:00 AM SAT 11/12/10
Warrego R at Wallen	3m rising	06:00 AM SAT 11/12/10
Warrego R at Wallen *	4.19m rising	08:00 AM SAT 11/12/10
Warrego R at Cunnamulla Br	6.3m rising	09:00 AM SAT 11/12/10
Warrego R at Cunnamulla Weir *	6.2m rising	08:00 AM SAT 11/12/10
Warrego R at Rocky	NA	
Warrego R at Barringun No.2	3.49m steady	09:00 AM SAT 11/12/10

* denotes automatic station.

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 5:56 PM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels have been observed on the Ward, Langlo and Upper Warrego Rivers with further rises likely. Minor flood levels are rising fast at Drensmaine on the Nive River. Minor flooding continues in some areas of the Lower Warrego River. A forecast for Charleville will be made once upstream peaks have been observed.

NIVE RIVER
Fast rises have been observed during Saturday at Drensmaine with minor flood levels now occurring. Further rises will occur overnight. Moderate flood levels of at least 4 metres should be expected at Biddenham overnight Sunday.

UPPER WARREGO RIVER
River levels are rising fast at Lochinvar. At 5pm Saturday, the river was 4.7 metres. Major flood levels are possible. At Augathella, river levels are likely to reach at least 5 metres during Monday. Further forecasts will be made once peaks have been observed upstream.

Moderate flood levels of at least 3.5 metres should be expected at The 27 Mile Garden next week. River levels at Charleville are likely to exceed minor flood level. Further forecasts will be made once peaks have been observed upstream.

WARD AND LANGLO RIVERS
Moderate flooding continues on the Ward River at Warilda. Moderate flooding is occurring on the Langlo River at Oak Park, with renewed rises expected. Minor flooding is occurring downstream at Binnowee, with further rises and moderate flood levels forecast during next week.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend and Cunnamulla. High river levels causing minor to moderate flooding are expected along the lower Warrego River during next week.

Weather Forecast:
Rain areas, showers and isolated thunderstorms in the north and east. Isolated showers elsewhere.

Next Issue:
The next warning will be issued at about 10:30am Sunday.

Latest River Heights:

Warrego R at Lochinvar	4.7m rising fast	05:00 PM SAT 11/12/10
Hoganthulla Ck at Wetlands	0.2m steady	09:00 AM SAT 11/12/10
Warrego R at Augathella *	3.49m rising	02:40 PM SAT 11/12/10

Nive R at Drensmaine	4m rising fast	05:00 PM SAT 11/12/10
Nive R at Biddenham *	2.84m steady	02:20 PM SAT 11/12/10
Warrego R at The 27 Mile Garden *	2.38m rising	02:30 PM SAT 11/12/10
Bradley Ck at Raceview *	0.03m steady	02:00 PM SAT 11/12/10
Warrego R at Charleville	1.99m falling	11:25 AM SAT 11/12/10
Langlo R at Warilda	4.85m falling slowly	03:00 PM SAT 11/12/10
Ward R at Oakpark	3.7m falling	01:30 PM SAT 11/12/10
Ward R at Binnowee *	4.35m falling	02:40 PM SAT 11/12/10
Warrego R at Bakers Bend *	5.22m rising	02:40 PM SAT 11/12/10
Warrego R at Wyandra *	4.5m steady	04:00 PM SAT 11/12/10
Warrego R at Wallen	3m rising	06:00 AM SAT 11/12/10
Warrego R at Wallen *	4.3m rising	02:00 PM SAT 11/12/10
Warrego R at Cunnamulla Br	6.38m rising slowly	03:00 PM SAT 11/12/10
Warrego R at Cunnamulla Weir *	6.26m steady	03:00 PM SAT 11/12/10
Warrego R at Barringun No.2	3.5m steady	05:00 PM SAT 11/12/10

*Automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:25 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring along the Upper Warrego River at Lochinvar.
Moderate flood levels have been observed along the Ward and Langlo Rivers with
renewed rises occurring at Oak Park. Minor flood levels are rising fast at
Biddenham on the Nive River. River levels at Charleville are forecast to reach
at least a moderate flood level of between 5.5 and 6 metres.

NIVE RIVER
Fast rises have been observed at Drensmaine with minor flood levels. Moderate
flood levels of up to 5 metres with further rises possible should be expected at
Biddenham during today. Further forecasts will be made once a peak has been
observed at Drensmaine.

UPPER WARREGO RIVER
Levels continue to rise at Lochinvar. At 9am Sunday, the river was 5.6 metres
with major flood levels. At Augathella, river levels are likely to reach around
6 metres during Sunday and into Monday.

Major flood levels of at least 4.5 metres should be expected at The 27 Mile
Garden early this week. River levels at Charleville are likely to reach at least
the moderate flood levels of between 5.5 and 6 metres during this week. Further

forecasts will be made once peaks have been observed upstream.

WARD AND LANGLO RIVERS
Moderate flooding continues on the Ward River at Warilda. Moderate flooding is occurring on the Langlo River at Oak Park with renewed rises occurring. Minor flooding is occurring downstream at Binnowee, with further rises and moderate flood levels forecast during next week.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend and Cunnamulla. High river levels causing minor to moderate flooding are expected along the lower Warrego River during next week.

Weather Forecast:
Fine in most of the district. Early isolated morning drizzle in NE parts clearing becoming fine throughout.

Next Issue:
The next warning will be issued by 5pm Sunday.

Latest River Heights:

Warrego R at Lochinvar	5.6m rising slowly	09:00 AM SUN 12/12/10
Warrego R at Augathella *	5.84m rising	08:10 AM SUN 12/12/10
Nive R at Drensmaine	4.2m rising fast	06:00 PM SAT 11/12/10
Nive R at Biddenham *	4.48m rising	08:40 AM SUN 12/12/10
Warrego R at The 27 Mile Garden *	2.79m steady	08:20 AM SUN 12/12/10
Bradley Ck at Raceview *	0.03m steady	08:00 AM SUN 12/12/10
Warrego R at Charleville	1.99m falling	11:25 AM SAT 11/12/10
Langlo R at Warilda	4.25m falling slowly	09:00 AM SUN 12/12/10
Ward R at Oakpark	3.5m falling	08:00 PM SAT 11/12/10
Ward R at Binnowee *	4.02m steady	08:00 AM SUN 12/12/10
Warrego R at Bakers Bend *	5.01m falling	08:40 AM SUN 12/12/10
Warrego R at Wyandra *	4.72m rising	08:00 AM SUN 12/12/10
Warrego R at Wallen	4m rising	06:00 AM SUN 12/12/10
Warrego R at Wallen *	4.5m rising	08:00 AM SUN 12/12/10
Warrego R at Cunnamulla Br	6.38m rising slowly	03:00 PM SAT 11/12/10
Warrego R at Cunnamulla Weir *	6.37m rising	08:00 AM SUN 12/12/10
Warrego R at Barringun No.2	3.52m steady	07:00 AM SUN 12/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 4:55 PM on Sunday the 12th of December 2010

by the Bureau of Meteorology, Brisbane.

Major flood levels are occurring along the upper Warrego River at Lochinvar. Minor flood levels continue to rise at Biddenham on the Nive River. River levels at Charleville are forecast to reach around 6 metres. Moderate flood levels have been observed along the Ward and Langlo Rivers with renewed rises occurring at Oak Park where major flood levels of 5 metres are likely overnight.

NIVE RIVER
Fast rises have been observed at Drensmaine with minor flood levels. Moderate flood levels of up to 5 metres should be expected at Biddenham overnight.

UPPER WARREGO RIVER
At Lochinvar, river levels are now falling and are at moderate levels. At Augathella, river levels are likely to reach a peak around current levels of 6 metres overnight. At 4pm, the level at Augathella was 5.91 metres and rising slowly.

Major flood levels of at least 4.5 metres should be expected at The 27 Mile Garden early this week. River levels at Charleville are likely to reach around 6 metres during this week. Further forecasts will be made once peaks have been observed upstream.

WARD AND LANGLO RIVERS
Moderate flooding continues on the Ward River at Warilda. Moderate flooding is occurring on the Langlo River at Oak Park with renewed rises occurring and major flood levels of 5 metres expected overnight. Minor flooding is occurring downstream at Binnowee, with further rises and moderate flood levels forecast during next week.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend and Cunnamulla. High river levels causing minor to moderate flooding are expected along the lower Warrego River during next week.

Next Issue:
The next warning will be issued by 11:30am Monday.

Latest River Heights:

Warrego R at Lochinvar	5.25m falling slowly	12:00 PM SUN 12/12/10
Hoganthulla Ck at Wetlands	2.9m steady	09:00 AM SUN 12/12/10
Warrego R at Augathella *	5.91m rising	04:00 PM SUN 12/12/10
Nive R at Drensmaine	3.9m falling	02:00 PM SUN 12/12/10
Nive R at Biddenham *	4.76m rising	04:00 PM SUN 12/12/10
Warrego R at The 27 Mile Garden *	3.04m rising	04:10 PM SUN 12/12/10
Bradley Ck at Raceview *	0.03m steady	04:00 PM SUN 12/12/10
Warrego R at Charleville	2.39m rising	01:55 PM SUN 12/12/10
Langlo R at Warilda	4m falling slowly	03:00 PM SUN 12/12/10
Ward R at Oakpark	4.95m steady	03:30 PM SUN 12/12/10
Ward R at Binnowee *	4.1m rising	04:10 PM SUN 12/12/10
Warrego R at Bakers Bend *	4.7m falling	04:20 PM SUN 12/12/10
Warrego R at Wyandra *	4.95m rising	04:00 PM SUN 12/12/10
Warrego R at Wallen	4m rising	06:00 AM SUN 12/12/10
Warrego R at Wallen *	4.53m steady	04:00 PM SUN 12/12/10
Warrego R at Cunnamulla Br	6.5m rising slowly	09:00 AM SUN 12/12/10
Warrego R at Cunnamulla Weir *	6.41m steady	04:00 PM SUN 12/12/10
Warrego R at Barringun No.2	3.51m steady	04:00 PM SUN 12/12/10

*automatic station

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public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:26 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue at Augathella. Moderate flood levels continue to rise at Biddenham on the Nive River. River levels at Charleville are forecast to reach at least 6 metres late Tuesday into Wednesday. Moderate flood levels are forecast for Bakers Bend this week and major flood levels should be expected at Cunnamulla late in the weekend.

NIVE RIVER
Moderate flood levels continue to rise at Biddenham. Major flood levels are possible during today.

UPPER WARREGO RIVER
At Augathella, river levels remain just short of the major flood level and are expected to fall during Monday. At 8am, the level at Augathella was 5.90 metres and falling slowly.

Major flood levels of at least 4.7 metres should be expected at The 27 Mile Garden early this week. River levels at Charleville will rise to at least 6 metres during Tuesday into Wednesday. Further forecasts will be made once peaks have been observed upstream.

WARD AND LANGLO RIVERS
Minor flood levels are falling along the Ward River at Warilda. Moderate flooding continues on the Langlo River at Oak Park. Moderate flooding is rising at Binnowee and is expected to continue until at least Wednesday. Rises to major levels are not expected.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend with moderate flood levels expected later this week. River levels are likely to reach at least 7.3 metres. Minor flood levels are likely at Wyandra with moderate flood levels forecast for Wallen.

The Warrego River at Cunnamulla is likely to exceed the major flood level of 8 metres over the weekend or early next week. A forecast peak will be made once a peak is observed at Bakers Bend.

Next Issue:
The next warning will be issued by 5pm Monday.

Latest River Heights:

Warrego R at Lochinvar	3.25m falling fast	06:00 PM SUN 12/12/10
Hoganthulla Ck at Wetlands	1.4m falling	09:00 AM MON 13/12/10
Warrego R at Augathella *	5.9m falling	08:20 AM MON 13/12/10
Nive R at Drensmaine	3.9m falling	02:00 PM SUN 12/12/10
Nive R at Biddenham *	5.34m steady	08:10 AM MON 13/12/10
Warrego R at The 27 Mile Garden *	4.26m rising	08:20 AM MON 13/12/10
Bradley Ck at Raceview *	0.03m steady	08:00 AM MON 13/12/10
Warrego R at Charleville	2.9m rising slowly	07:00 AM MON 13/12/10
Langlo R at Warilda	3.45m falling slowly	06:00 AM MON 13/12/10
Ward R at Oakpark	4.5m falling slowly	08:00 AM MON 13/12/10
Ward R at Binnowee *	5.22m rising	08:40 AM MON 13/12/10
Warrego R at Bakers Bend *	4.7m rising	08:30 AM MON 13/12/10
Warrego R at Wyandra *	5.28m steady	08:00 AM MON 13/12/10
Warrego R at Wallen	4.9m rising	06:00 AM MON 13/12/10
Warrego R at Wallen *	4.82m rising	08:00 AM MON 13/12/10
Warrego R at Cunnamulla Weir *	6.46m steady	08:00 AM MON 13/12/10
Warrego R at Barringun No.2	3.45m steady	08:00 AM MON 13/12/10

*automatic station

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 4:39 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue at Augathella. Moderate flood levels are also
continuing along the Nive River at Biddenham. River levels at Charleville are
forecast to reach just above 6 metres late Tuesday into Wednesday. Moderate
flood levels are forecast for Bakers Bend this week and major flood levels
should be expected at Cunnamulla late in the weekend.

NIVE RIVER
Moderate flood levels continue at Biddenham with a peak observed this afternoon.
Levels are now expected to fall.

UPPER WARREGO RIVER
At Augathella, river levels are falling. At 3pm, the level at Augathella was
5.50 metres.

Major flood levels of at least 4.7 metres should be expected at The 27 Mile Garden during Tuesday. River levels at Charleville will rise to around 6 metres during Tuesday into Wednesday with a peak of just above 6 metres expected.

WARD AND LANGLO RIVERS
Minor flood levels are falling along the Ward River at Warilda. Moderate flooding continues on the Langlo River at Oak Park. Moderate flooding is rising at Binnowee and is expected to continue until at least Wednesday. Rises to major levels are not expected.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend with moderate flood levels expected later this week. River levels are likely to reach at least 7.3 metres. Minor flood levels are likely at Wyandra with moderate flood levels forecast for Wallen.

The Warrego River at Cunnamulla is likely to exceed the major flood level of 8 metres over the weekend or early next week. A forecast peak will be made once a peak is observed at Bakers Bend.

Predicted River Heights/Flows:
Charleville : Peak around 6.2 metres during Wednesday.

Next Issue:
The next warning will be issued by 11:30am Tuesday.

Latest River Heights:

Warrego R at Lochinvar	3.25m falling fast	06:00 PM SUN 12/12/10
Hoganthulla Ck at Wetlands	1.4m falling	09:00 AM MON 13/12/10
Warrego R at Augathella *	5.56m falling	02:40 PM MON 13/12/10
Nive R at Biddenham *	5.25m falling	02:50 PM MON 13/12/10
Warrego R at The 27 Mile Garden *	4.33m falling	02:30 PM MON 13/12/10
Bradley Ck at Raceview *	0.03m steady	02:00 PM MON 13/12/10
Warrego R at Charleville	2.23m rising slowly	02:00 PM MON 13/12/10
Langlo R at Warilda	3.35m falling slowly	09:00 AM MON 13/12/10
Ward R at Oakpark	4.5m falling slowly	08:00 AM MON 13/12/10
Ward R at Binnowee *	5.5m rising	02:40 PM MON 13/12/10
Warrego R at Bakers Bend *	5.21m rising	02:50 PM MON 13/12/10
Warrego R at Wyandra *	5.27m steady	02:00 PM MON 13/12/10
Warrego R at Wallen	4.9m rising	06:00 AM MON 13/12/10
Warrego R at Wallen *	5.02m rising	02:00 PM MON 13/12/10
Warrego R at Cunnamulla Weir *	6.47m steady	02:00 PM MON 13/12/10
Warrego R at Barringun No.2	3.4m steady	02:00 PM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:27 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels at Charleville are forecast to reach up to 6 metres during Wednesday. Moderate flood levels are forecast for Bakers Bend this week and major flood levels are likely at Cunnamulla late in the weekend.

NIVE RIVER
Moderate flood levels continue at Biddenham. Levels will to continue to fall.

UPPER WARREGO RIVER
Minor flood levels are falling at Augathella and Wetlands. Major flood levels of at least 4.7 metres should be expected at The 27 Mile Garden during Tuesday. River levels at Charleville are expected to peak up to 6 metres during Wednesday.

WARD AND LANGLO RIVERS
River levels are rising again along the Ward River at Warilda. Moderate flooding continues on the Langlo River at Oak Park. Moderate flooding is rising at Binnowee and is expected to continue until at least Wednesday. Rises to major levels are not expected.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend with moderate flood levels expected overnight Tuesday. River levels are likely to reach at least 7.3 metres. Minor flood levels are likely at Wyandra with moderate flood levels forecast for Wallen during the weekend.

The Warrego River at Cunnamulla is likely to exceed the major flood level of 8 metres early next week. A forecast peak will be made once a peak is observed at Bakers Bend.

Predicted River Heights/Flows:
Charleville : Peak up to 6 metres during Wednesday.

Next Issue:
The next warning will be issued by 4pm Tuesday.

Latest River Heights:

Hoganthulla Ck at Wetlands	1.4m falling	09:00 AM MON 13/12/10
Warrego R at Augathella *	4.26m falling	05:30 AM TUE 14/12/10
Nive R at Biddenham *	4.38m falling	05:50 AM TUE 14/12/10
Warrego R at The 27 Mile Garden *	4.44m falling	05:50 AM TUE 14/12/10
Bradley Ck at Raceview *	0.04m steady	05:00 AM TUE 14/12/10
Warrego R at Charleville	4.75m rising	06:00 AM TUE 14/12/10
Langlo R at Warilda	4.2m rising	06:00 AM TUE 14/12/10
Ward R at Oakpark	4.2m falling slowly	09:00 AM TUE 14/12/10
Ward R at Binnowee *	5.41m falling	05:40 AM TUE 14/12/10
Warrego R at Bakers Bend *	6.41m rising	05:50 AM TUE 14/12/10
Warrego R at Wyandra *	5.04m falling	05:00 AM TUE 14/12/10
Warrego R at Wallen *	5.5m rising	05:10 AM TUE 14/12/10
Warrego R at Cunnamulla Br	6.6m rising	03:00 PM MON 13/12/10
Warrego R at Cunnamulla Weir *	6.51m steady	05:00 AM TUE 14/12/10

Warrego R at Barringun No.2 3.16m steady 06:00 AM TUE 14/12/10

*automatic station

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 3:26 PM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels at Charleville are forecast to reach up to 6 metres during
Wednesday. Moderate flood levels are forecast for Bakers Bend this week and
major flood levels are likely at Cunnamulla late in the weekend. Minor flood
levels are falling along the Nive River.

UPPER WARREGO RIVER
Major flood levels have peaked at The 27 Mile Garden at 4.5 metres this
afternoon. River levels at Charleville are expected to peak up to 6 metres
during Wednesday.

WARD AND LANGLO RIVERS
River levels are rising again along the Ward River at Warilda. Moderate flooding
continues on the Langlo River at Oak Park. Moderate flooding is rising at
Binnowee and is expected to continue until at least Wednesday. Rises to major
levels are not expected.

LOWER WARREGO RIVER
Minor flooding is occurring at Bakers Bend with moderate flood levels expected
overnight Tuesday. River levels are likely to reach around 7 metres. Minor flood
levels are likely at Wyandra with moderate flood levels forecast for Wallen
during the weekend.

The Warrego River at Cunnamulla is likely to exceed the major flood level of 8
metres early next week. A peak forecast will be made once a peak is observed at
Bakers Bend.

Predicted River Heights/Flows:
Charleville : Peak up to 6 metres during Wednesday.

Next Issue:
The next warning will be issued by 11am Wednesday.

Latest River Heights:

Warrego R at Augathella *	3.81m falling	02:40 PM TUE 14/12/10
Nive R at Biddenham *	4m falling	02:40 PM TUE 14/12/10
Warrego R at The 27 Mile Garden *	4.34m falling	02:30 PM TUE 14/12/10
Bradley Ck at Raceview *	0.03m steady	02:00 PM TUE 14/12/10
Warrego R at Charleville	5m rising	02:05 PM TUE 14/12/10
Langlo R at Warilda	4.4m rising slowly	03:00 PM TUE 14/12/10
Ward R at Oakpark	4.2m falling slowly	09:00 AM TUE 14/12/10
Ward R at Binnowee *	5.23m falling	02:40 PM TUE 14/12/10
Warrego R at Bakers Bend *	6.65m steady	02:20 PM TUE 14/12/10
Warrego R at Wyandra *	4.99m steady	02:00 PM TUE 14/12/10
Warrego R at Wallen *	5.59m rising	02:40 PM TUE 14/12/10
Warrego R at Cunnamulla Br	6.68m rising	10:00 AM TUE 14/12/10
Warrego R at Cunnamulla Weir *	6.55m rising	02:00 PM TUE 14/12/10
Warrego R at Barringun No.2	3.02m steady	02:00 PM TUE 14/12/10

*automatic station

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:31 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels at Charleville are forecast to peak around current levels today.
Moderate flood levels are forecast for Bakers Bend today and major flood levels
are likely at Cunnamulla late in the weekend. Minor flood levels are falling
along the Nive River.

UPPER WARREGO RIVER
Moderate flood levels are falling at The 27 Mile Garden. At Charleville, the
timing of the peaks from Augathella and Biddenham did not arrive at the same
time at The 27 Mile Garden. The peak forecast at Charleville has been revised to
5.2 metres.

WARD AND LANGLO RIVERS
Moderate flood levels are steady along the Langlo River at Warilda and are
falling along the Ward River at Oak Park. River levels are expected to continue
to fall at Binnowee with minor flooding expected throughout Wednesday.

LOWER WARREGO RIVER
Minor flooding is rising at Bakers Bend and the moderate flood level of 7 metres
will be reached this morning. Minor flood levels are likely at Wyandra with
moderate flood levels forecast for Wallen during the weekend.

The Warrego River at Cunnamulla is likely to exceed the major flood level of 8

metres early next week. A peak forecast will be made once a peak is observed at Bakers Bend. Moderate flood levels are likely at Rocky.

Predicted River Heights/Flows:
Charleville : Peak around current levels of 5.2 metres.

Next Issue:
The next warning will be issued by 11am Thursday.

Latest River Heights:

Warrego R at Augathella *	2.92m steady	06:10 AM WED 15/12/10
Nive R at Biddenham *	3.46m falling	05:40 AM WED 15/12/10
Warrego R at The 27 Mile Garden *	3.85m falling	05:40 AM WED 15/12/10
Bradley Ck at Raceview *	0.03m steady	05:00 AM WED 15/12/10
Warrego R at Charleville	5.17m steady	06:00 AM WED 15/12/10
Langlo R at Warilda	4.2m falling slowly	06:00 AM WED 15/12/10
Ward R at Oakpark	3.7m falling slowly	06:30 AM WED 15/12/10
Ward R at Binnowee *	4.96m steady	06:00 AM WED 15/12/10
Warrego R at Bakers Bend *	6.91m steady	05:20 AM WED 15/12/10
Warrego R at Wyandra *	5.64m rising	06:00 AM WED 15/12/10
Warrego R at Wallen	5m steady	06:00 AM WED 15/12/10
Warrego R at Wallen *	5.44m falling	06:00 AM WED 15/12/10
Warrego R at Cunnamulla Br	6.69m falling slowly	07:30 AM WED 15/12/10
Warrego R at Cunnamulla Weir *	6.69m steady	06:00 AM WED 15/12/10
Warrego R at Rocky	3.68m rising slowly	06:00 AM WED 15/12/10
Warrego R at Barringun No.2	2.87m steady	07:00 AM WED 15/12/10

*automatic station

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IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LANGLO, WARD AND LOWER WARREGO RIVERS
Issued at 8:20 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are forecast for the Lower Warrego into the weekend with major flood levels likely at Cunnamulla late in the weekend. Minor flood levels are falling along the Nive River and along the Upper Warrego from The 27 Mile Garden to Charleville.

WARD AND LANGLO RIVERS
Minor flood levels are falling along the Langlo River at Warilda and moderate flood levels are falling along the Ward River at Oak Park. River levels are

expected to fall below minor flood levels during Friday at Binnowee.

LOWER WARREGO RIVER
Minor flood levels are falling at Bakers Bend following a moderate flood peak of 7 metres yesterday. The peak is currently approaching Wyandra where minor flood levels will continue until Saturday. Moderate flood levels are forecast to reach around 7 metres at Wallen early Saturday.

The Warrego River at Cunnamulla is likely to just exceed the major flood level of 8 metres on Sunday or Monday. Moderate flood levels are likely at Rocky of about 4.5 metres.

Next Issue:
The next warning will be issued by 11am Friday.

Latest River Heights:

Warrego R at Augathella *	2.47m falling	06:00 AM THU 16/12/10
Nive R at Biddenham *	2.68m falling	05:40 AM THU 16/12/10
Warrego R at The 27 Mile Garden *	2.85m falling	05:50 AM THU 16/12/10
Bradley Ck at Raceview *	0.03m steady	05:00 AM THU 16/12/10
Warrego R at Charleville	4.3m falling	09:00 AM THU 16/12/10
Langlo R at Warilda	3.9m steady	06:00 AM THU 16/12/10
Ward R at Oakpark	3.5m falling slowly	06:00 AM THU 16/12/10
Ward R at Binnowee *	4.43m steady	06:00 AM THU 16/12/10
Warrego R at Bakers Bend *	6.75m falling	05:10 AM THU 16/12/10
Warrego R at Wyandra *	6.57m rising	06:00 AM THU 16/12/10
Warrego R at Wallen	5.5m rising	06:00 AM THU 16/12/10
Warrego R at Wallen *	6.05m rising	06:50 AM THU 16/12/10
Warrego R at Cunnamulla Br	6.69m steady	09:00 AM WED 15/12/10
Warrego R at Cunnamulla Weir *	6.77m steady	06:00 AM THU 16/12/10
Warrego R at Rocky	3.88m rising slowly	06:00 AM THU 16/12/10
Warrego R at Barringun No.2	2.93m steady	06:00 AM THU 16/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WARREGO RIVER
Issued at 8:02 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are forecast for the Lower Warrego into the weekend with major flood levels likely at Cunnamulla late in the weekend.

Minor flood levels are falling along the Nive, upper Warrego, Ward and Langlo Rivers.

Minor flood levels are falling at Bakers Bend. The peak is currently at Wyandra where minor flood levels will continue until Sunday. Moderate flood levels are occurring at Wallen with a peak of just over 7 metres expected early Saturday.

The Warrego River at Cunnamulla is likely to just exceed the major flood level of 8 metres on Sunday or Monday. Moderate flood levels are likely at Rocky of about 4.5 metres.

Next Issue:
The next warning will be issued by 11am Saturday.

Latest River Heights:

Warrego R at Augathella *	2.26m steady	06:10 AM FRI 17/12/10
Nive R at Biddenham *	2.26m falling	05:00 AM FRI 17/12/10
Warrego R at The 27 Mile Garden *	2.05m falling	05:50 AM FRI 17/12/10
Bradley Ck at Raceview *	0.03m steady	05:00 AM FRI 17/12/10
Warrego R at Charleville	3.88m falling	03:00 PM THU 16/12/10
Langlo R at Warilda	3.65m falling slowly	06:00 AM FRI 17/12/10
Ward R at Oakpark	2.9m falling slowly	05:00 AM FRI 17/12/10
Ward R at Binnowee *	4.2m steady	06:00 AM FRI 17/12/10
Warrego R at Bakers Bend *	5.92m falling	05:50 AM FRI 17/12/10
Warrego R at Wyandra *	6.81m steady	05:00 AM FRI 17/12/10
Warrego R at Wallen	6.7m steady	06:00 AM FRI 17/12/10
Warrego R at Wallen *	7.16m rising	06:50 AM FRI 17/12/10
Warrego R at Cunnamulla Br	7.05m rising slowly	07:00 AM FRI 17/12/10
Warrego R at Cunnamulla Weir *	6.85m steady	06:00 AM FRI 17/12/10
Warrego R at Rocky	4m rising slowly	06:00 AM FRI 17/12/10
Warrego R at Barringun No.2	3.03m steady	06:00 AM FRI 17/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE LOWER WARREGO RIVER
Issued at 8:27 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring along the lower Warrego River, where the flood peak is currently in the Wallen area. A major flood peak is expected at

Cunnamulla during Sunday. Minor flooding continues to ease on the Ward River at Oakpark.

Minor flooding continues to ease along the lower Warrego River between Bakers Bend and Wyandra. Moderate flooding is nearing a peak at Wallen, where at 6am Saturday the river level at Wallen manual gauge was 7.3 metres.

Moderate flooding continues a steady rise further downstream at Cunnamulla, where at 6:30am Saturday the river level at Cunnamulla was at 7.6 metres with further rises likely to just exceed the major flood level of 8 metres during Sunday. Moderate flooding is slowly rising further downstream at Rocky, with renewed rises expected during the weekend and river levels likely to reach a moderate flood peak to about 4.5 metres early next week.

Predicted River Heights/Flows:
Warrego River at:

Cunnamulla Exceed major flood level (8.0 metres) during Saturday evening.
Major flood peak to about 8.2 metres during Sunday.

Weather Forecast:
Scattered showers and thunderstorms in the northeast. Patchy light rain elsewhere.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Warrego R at Augathella *	2.14m	steady	06:00 AM SAT 18/12/10
Nive R at Biddenham *	1.99m	falling	05:40 AM SAT 18/12/10
Warrego R at The 27 Mile Garden *	1.64m	steady	05:00 AM SAT 18/12/10
Bradley Ck at Raceview *	0.03m	steady	05:00 AM SAT 18/12/10
Warrego R at Charleville *	NA		
Langlo R at Warilda	1.85m	falling	06:00 AM SAT 18/12/10
Ward R at Oakpark	2.30m	falling	05:00 AM SAT 18/12/10
Ward R at Binnowee *	3.72m	falling slowly	06:10 AM SAT 18/12/10
Warrego R at Bakers Bend *	5.10m	falling slowly	05:50 AM SAT 18/12/10
Warrego R at Murweh	NA		
Warrego R at Wyandra *	6.39m	falling	06:00 AM SAT 18/12/10
Warrego R at Wallen	7.30m	falling slowly	06:00 AM SAT 18/12/10
Warrego R at Wallen *	7.55m	falling	06:30 AM SAT 18/12/10
Warrego R at Cunnamulla Br	7.60m	rising slowly	06:30 AM SAT 18/12/10
Warrego R at Cunnamulla Weir *	7.25m	rising slowly	06:00 AM SAT 18/12/10
Warrego R at Rocky	4.07m	rising slowly	06:00 AM SAT 18/12/10
Warrego R at Barringun No.2	3.14m	steady	08:00 AM SAT 18/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:00 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring along the lower Warrego River, with a major flood peak to about 8.2 metres forecast for Cunnamulla during Sunday. Localised minor flooding is being recorded at The 27 Mile Garden.

Heavy local rainfall has been recorded in The 27 Mile Garden area during the past 6-12 hours to 10am Sunday which has produced river level rises and minor flooding. Further rises are likely at The 27 Mile Garden during Sunday. At this stage river levels are Charleville are expected to remain below the minor flood level.

Moderate flooding continues to ease in the Wallen area. Major flood levels continue to rise at Cunnamulla with a peak to about 8.2 metres forecast during Sunday. Moderate flooding is rising downstream at Rocky, with a moderate flood peak to about 4.5 metres forecast early this week.

Predicted River Heights/Flows:
Cunnamulla: Major flood peak to about 8.2 metres during Sunday.

Rocky: Moderate flood peak to about 4.5 metres early this week.

Weather Forecast:
Rain areas with local thunder.

Next Issue:
The next warning will be issued by 5pm Sunday.

Latest River Heights:

Warrego R at Augathella *	2.65m steady	08:10 AM SUN 19/12/10
Nive R at Biddenham *	1.92m rising	08:40 AM SUN 19/12/10
Warrego R at The 27 Mile Garden *	2.08m rising	08:40 AM SUN 19/12/10
Bradley Ck at Raceview *	0.04m steady	08:00 AM SUN 19/12/10
Ward R at Binnowee *	3.23m falling	08:10 AM SUN 19/12/10
Warrego R at Bakers Bend *	4.06m falling	08:30 AM SUN 19/12/10
Warrego R at Wyandra *	5.64m falling	08:00 AM SUN 19/12/10
Warrego R at Wallen	6.8m falling	06:00 AM SUN 19/12/10
Warrego R at Wallen *	7.18m steady	08:00 AM SUN 19/12/10
Warrego R at Cunnamulla Br	8.05m rising	08:45 AM SUN 19/12/10
Warrego R at Cunnamulla Weir *	7.61m steady	08:00 AM SUN 19/12/10
Warrego R at Rocky	4.31m rising slowly	09:00 AM SUN 19/12/10
Warrego R at Barringun No.2	3.24m steady	09:00 AM SUN 19/12/10

* from automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 5:29 PM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises are occurring along Hoganthulla Creek and the Upper Warrego to Augathella. Further rises are likely overnight. Renewed rises are also likely along the Ward and Langlo Rivers. Moderate to major flooding is occurring along the lower Warrego River.

UPPER WARREGO
Heavy rainfall over the weekend has resulted in fast rises at Lochinvar along the upper Warrego with minor flood levels. Moderate flood levels will be reached this evening. Minor flood levels are occurring at Wetlands.

River levels are rising at Augathella and are expected to continue overnight with moderate flood levels of at least 5 metres expected during Monday. Forecasts for Charleville will be made once upstream peaks have been observed.

NIVE RIVER
River levels are expected to rise overnight and through Monday with moderate flood levels possible this week.

LOWER WARREGO
Moderate flooding continues to ease in the Wallen area. Major flood levels continue to rise at Cunnamulla with a peak to about 8.2 metres forecast overnight. Moderate flooding is rising downstream at Rocky, with a moderate flood peak to about 4.5 metres forecast early this week.

Predicted River Heights/Flows:
Cunnamulla: Major flood peak to about 8.2 metres overnight.

Rocky: Moderate flood peak to about 4.5 metres early this week.

Weather Forecast:
Rain areas with local thunder.

Next Issue:
The next warning will be issued by 11am Monday.

Latest River Heights:

Warrego R at Lochinvar	3.8m rising fast	04:00 PM SUN 19/12/10
Hoganthulla Ck at Wetlands	2.6m steady	09:00 AM SUN 19/12/10
Warrego R at Augathella *	3.85m rising	02:40 PM SUN 19/12/10
Nive R at Drensmaine	2.1m rising slowly	09:00 AM SUN 19/12/10
Nive R at Biddenham *	1.98m steady	02:50 PM SUN 19/12/10
Warrego R at The 27 Mile Garden *	2.43m falling	02:40 PM SUN 19/12/10

Bradley Ck at Raceview *	0.03m steady	02:00 PM SUN 19/12/10
Ward R at Binnowee *	3.09m falling	02:20 PM SUN 19/12/10
Warrego R at Bakers Bend *	3.87m steady	02:40 PM SUN 19/12/10
Warrego R at Wyandra *	5.44m falling	03:00 PM SUN 19/12/10
Warrego R at Wallen	6.8m falling	06:00 AM SUN 19/12/10
Warrego R at Wallen *	6.98m falling	02:40 PM SUN 19/12/10
Warrego R at Cunnamulla Br	8.05m rising	08:45 AM SUN 19/12/10
Warrego R at Cunnamulla Weir *	7.64m steady	03:00 PM SUN 19/12/10
Warrego R at Rocky	4.37m rising slowly	03:00 PM SUN 19/12/10
Warrego R at Barringun No.2	3.26m steady	05:00 PM SUN 19/12/10

*automatic station

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public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:45 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises are occurring along Hoganthulla Creek and the Upper Warrego to
Augathella with major flood levels expected at Augathella. Predictions for
Charleville will be made once upstream peaks have been observed. Renewed rises
are also likely along the Ward and Langlo Rivers.

NIVE RIVER River levels are rising at Drensmaine with at least moderate flooding
expected at Biddenham in the next 36 hours.

UPPER WARREGO
Major flood levels are occurring along the upper Warrego at Lochinvar and major
flood levels likely today at Wetlands. River levels at Augathella are likely to
exceed 6 metres today with further rises possible.

Forecasts for Charleville will be made once upstream peaks have been observed
but a level of at least 5.5 metres is likely with a rise to 6 metres possible.

LOWER WARREGO
Flood levels have peaked at Cunnamulla and levels will now fall. Moderate
flooding is rising downstream at Rocky, with a moderate flood peak to about 4.5
metres forecast early this week.

Renewed rises should be expected towards the end of the week with a return to
minor to moderate flood levels. Forecasts will be made once a peak has been
observed at Bakers Bend.

Predicted River Heights/Flows:
Rocky: Moderate flood peak to about 4.5 metres in the next 24 hours.

Next Issue:
The next warning will be issued by 11am Tuesday.

Latest River Heights:

Warrego R at Lochinvar	6m	falling	06:00 AM MON 20/12/10
Hoganthulla Ck at Wetlands	3.9m	steady	09:00 AM MON 20/12/10
Warrego R at Augathella *	5.02m	rising	08:20 AM MON 20/12/10
Nive R at Biddenham *	2.22m	rising	08:40 AM MON 20/12/10
Warrego R at The 27 Mile Garden *	2.04m	rising	08:30 AM MON 20/12/10
Bradley Ck at Raceview *	0.03m	steady	08:00 AM MON 20/12/10
Ward R at Binnowee *	2.4m	falling	08:20 AM MON 20/12/10
Warrego R at Bakers Bend *	3.32m	falling	08:30 AM MON 20/12/10
Warrego R at Wyandra *	4.97m	falling	08:00 AM MON 20/12/10
Warrego R at Wallen	6m	falling	06:00 AM MON 20/12/10
Warrego R at Wallen *	6.32m	steady	08:30 AM MON 20/12/10
Warrego R at Cunnamulla Weir *	7.59m	falling	08:20 AM MON 20/12/10
Warrego R at Rocky	4.54m	rising	09:00 AM MON 20/12/10
Warrego R at Barringun No.2	3.31m	steady	09:00 AM MON 20/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:05 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises are continuing along the Upper Warrego at Augathella with
major flood levels. Moderate flood levels are expected at Biddenham this
morning. A peak of at least 5.5 metres is expected at Charleville during
Thursday.

NIVE RIVER River levels are rising at Drensmaine with moderate flood levels of
at least 4.5 metres expected at Biddenham during today.

UPPER WARREGO
Major flood levels are continuing along the upper Warrego at Lochinvar. Moderate
flood levels will continue to fall at Wetlands. River levels at Augathella are
likely to rise slowly this morning with a peak just above 6 metres during today.

At Charleville, a level of at least 5.5 metres is forecast with a rise to 6
metres possible.

LOWER WARREGO

River levels continue to fall between Bakers Bend and Cunnamulla but will rise again later this week. Levels are forecast to be slightly higher than the peaks last week. Further predictions will be made once a peak has been observed at Bakers Bend.

A peak of around 4.5 metres is currently in the Rocky area where levels will start to fall today.

Predicted River Heights/Flows:
Charleville : Reach at least 5.5 metres during Thursday with rises to around 6 metres possible.

Next Issue:
The next warning will be issued by 4pm Tuesday.

Latest River Heights:

Warrego R at Lochinvar	5.6m rising	05:00 PM MON 20/12/10
Hoganthulla Ck at Wetlands	3.4m falling slowly	03:00 PM MON 20/12/10
Warrego R at Augathella *	6.01m rising	08:20 AM TUE 21/12/10
Nive R at Drensmaine	3.6m rising fast	09:00 AM MON 20/12/10
Nive R at Biddenham *	3.9m rising	05:50 AM TUE 21/12/10
Warrego R at The 27 Mile Garden *	2.49m rising	05:40 AM TUE 21/12/10
Bradley Ck at Raceview *	0.04m steady	05:00 AM TUE 21/12/10
Warrego R at Charleville	2.75m falling slowly	06:00 AM TUE 21/12/10
Ward R at Binnowee *	2.08m rising	08:00 AM TUE 21/12/10
Warrego R at Bakers Bend *	2.69m steady	05:00 AM TUE 21/12/10
Warrego R at Wyandra *	4.39m falling	07:00 AM TUE 21/12/10
Warrego R at Wallen	5m falling	06:00 AM TUE 21/12/10
Warrego R at Wallen *	5.27m rising	06:50 AM TUE 21/12/10
Warrego R at Cunnamulla Weir *	7.3m steady	08:00 AM TUE 21/12/10
Warrego R at Rocky	4.66m rising slowly	06:00 AM TUE 21/12/10
Warrego R at Barringun No.2	3.38m steady	07:00 AM TUE 21/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 4:41 PM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises are continuing along the Upper Warrego at Augathella with major flood levels. Moderate flood levels are rising at Biddenham this evening. A peak of at least 5.5 metres is expected at Charleville during Thursday.

NIVE RIVER River levels are rising at Drensmaine with moderate flood levels of

at least 4.6 metres expected at Biddenham during today, possibly higher.

UPPER WARREGO
Moderate flood levels are continuing along the upper Warrego at Lochinvar. Minor flood levels will continue to fall at Wetlands. River levels at Augathella are likely to rise slowly this morning with a peak just above 6 metres overnight.

At Charleville, a level of at least 5.5 metres is forecast with a rise to 6 metres possible.

LOWER WARREGO
River levels continue to fall between Bakers Bend and Cunnamulla but will rise again later this week. Levels are forecast to be slightly higher than the peaks last week. Further predictions will be made once a peak has been observed at Bakers Bend.

A peak of around 4.5 metres is currently in the Rocky area where levels will start to fall overnight.

Predicted River Heights/Flows:
Charleville : Reach at least 5.5 metres during Thursday with rises to around 6 metres possible.

Next Issue:
The next warning will be issued by 11am Wednesday.

Latest River Heights:

Warrego R at Lochinvar	4m falling fast	03:00 PM TUE 21/12/10
Hoganthulla Ck at Wetlands	1.9m falling slowly	09:00 AM TUE 21/12/10
Warrego R at Augathella *	6.04m steady	02:00 PM TUE 21/12/10
Nive R at Biddenham *	4.4m rising	02:50 PM TUE 21/12/10
Warrego R at The 27 Mile Garden *	2.91m rising	02:50 PM TUE 21/12/10
Bradley Ck at Raceview *	0.03m steady	03:00 PM TUE 21/12/10
Warrego R at Charleville	2.25m falling slowly	03:00 PM TUE 21/12/10
Ward R at Binnowee *	2.13m steady	02:00 PM TUE 21/12/10
Warrego R at Bakers Bend *	3.26m rising	02:50 PM TUE 21/12/10
Warrego R at Wyandra *	4.2m falling	03:00 PM TUE 21/12/10
Warrego R at Wallen	5m falling	06:00 AM TUE 21/12/10
Warrego R at Wallen *	5.18m falling	03:00 PM TUE 21/12/10
Warrego R at Cunnamulla Weir *	7.18m steady	03:00 PM TUE 21/12/10
Warrego R at Rocky	4.68m rising slowly	03:00 PM TUE 21/12/10
Warrego R at Barringun No.2	3.4m steady	04:00 PM TUE 21/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:07 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

River level remain high along the Upper Warrego at Augathella with major flood levels. A peak of at least 5.5 metres is expected at Charleville during Thursday.

NIVE RIVER River levels have peaked at Biddenham with a moderate flood peak of 4.7 metres.

UPPER WARREGO : River levels at Augathella have peaked just above 6 metres with major flood levels continuing. River levels will fall to moderate flood levels during today. At Charleville, a level of at least 5.5 metres is forecast with a rise to 6 metres possible.

LOWER WARREGO
River levels continue to fall between Bakers Bend and Cunnamulla but will rise again later this week. Levels are forecast to be slightly higher than the peaks last week. Further predictions will be made once a peak has been observed at Bakers Bend.

Moderate flood levels at Rocky will continue to fall though the weekend.

Predicted River Heights/Flows:
Charleville : Reach at least 5.5 metres during Thursday with rises to
around 6 metres possible.

Next Issue:
The next warning will be issued by 4pm Wednesday.

Latest River Heights:

Warrego R at Lochinvar	3.4m falling	06:00 PM TUE 21/12/10
Hoganthulla Ck at Wetlands	1.9m falling slowly	09:00 AM TUE 21/12/10
Warrego R at Augathella *	6m steady	08:10 AM WED 22/12/10
Nive R at Biddenham *	4.67m falling	05:40 AM WED 22/12/10
Warrego R at The 27 Mile Garden *	3.79m rising	05:40 AM WED 22/12/10
Bradley Ck at Raceview *	0.04m steady	05:00 AM WED 22/12/10
Warrego R at Charleville	2.65m rising slowly	08:00 AM WED 22/12/10
Ward R at Binnowee *	1.92m steady	08:00 AM WED 22/12/10
Warrego R at Bakers Bend *	3.49m falling	05:50 AM WED 22/12/10
Warrego R at Wyandra *	3.79m falling	07:00 AM WED 22/12/10
Warrego R at Wallen	4.5m falling slowly	07:00 PM TUE 21/12/10
Warrego R at Wallen *	4.6m falling	06:00 AM WED 22/12/10
Warrego R at Cunnamulla Weir *	6.9m steady	08:20 AM WED 22/12/10
Warrego R at Rocky	4.66m falling slowly	06:00 AM WED 22/12/10
Warrego R at Barringun No.2	3.45m steady	08:00 AM WED 22/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 3:56 PM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

River level are falling along the Upper Warrego at Augathella. A peak of at least 5.5 metres is expected at Charleville during Thursday.

NIVE RIVER River levels have peaked at Biddenham with a moderate flood peak of 4.7 metres.

UPPER WARREGO : River levels at Augathella will fall to minor flood levels overnight. MAjor flood levels are expected at The 27 Mile Garden this evening with a flood peak of around 4.5 metres. At Charleville, a level of at least 5.5 metres is forecast with a rise to 6 metres possible.

LOWER WARREGO
River levels continue to fall between Bakers Bend and Cunnamulla but will rise again later this week. Levels are forecast to be slightly higher than the peaks last week. Further predictions will be made once a peak has been observed at Bakers Bend.

Moderate flood levels at Rocky will continue to fall though the weekend.

Predicted River Heights/Flows:
Charleville : Reach at least 5.5 metres during Thursday with rises to around 6 metres possible.

Next Issue:
The next warning will be issued by 11am Thursday.

Latest River Heights:

Warrego R at Lochinvar	3.4m falling	06:00 PM TUE 21/12/10
Hoganthulla Ck at Wetlands	0.8m falling slowly	09:00 AM WED 22/12/10
Warrego R at Augathella *	5.48m falling	02:40 PM WED 22/12/10
Nive R at Biddenham *	4.33m falling	02:50 PM WED 22/12/10
Warrego R at The 27 Mile Garden *	4.11m rising	02:20 PM WED 22/12/10
Bradley Ck at Raceview *	0.03m steady	02:00 PM WED 22/12/10
Warrego R at Charleville	3.08m rising	02:00 PM WED 22/12/10
Ward R at Binnowee *	1.92m steady	02:00 PM WED 22/12/10
Warrego R at Bakers Bend *	3.15m falling	02:50 PM WED 22/12/10
Warrego R at Wyandra *	3.69m steady	02:00 PM WED 22/12/10
Warrego R at Wallen	3.8m falling slowly	12:00 PM WED 22/12/10
Warrego R at Wallen *	4.28m falling	02:00 PM WED 22/12/10
Warrego R at Cunnamulla Weir *	6.79m falling	03:00 PM WED 22/12/10
Warrego R at Rocky	4.64m falling slowly	11:00 AM WED 22/12/10
Warrego R at Barringun No.2	3.46m steady	03:00 PM WED 22/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:14 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

River level are falling along the Upper Warrego at Augathella. A peak of at least 5.5 metres is expected at Charleville during Thursday. Minor flood levels are falling along the Nive River. Further rainfall is forecast.

UPPER WARREGO : Major flood levels have peaked at The 27 Mile Garden at 4.3 metres. At Charleville, a peak of around 5.5 metres is forecast overnight.

LOWER WARREGO
Renewed rises are expected along the lower Warrego Levels over the weekend. Levels are now forecast to be slightly lower than last week but some minor to moderate flood levels will occur. Moderate flood levels are predicted for Cunnamulla. Further predictions will be made once a peak has been observed at Bakers Bend.

Predicted River Heights/Flows:
Charleville : Peak around 5.5 metres overnight.

Next Issue:
The next warning will be issued by 11am Friday.

Latest River Heights:

Hoganthulla Ck at Wetlands	0.8m	falling slowly	09:00 AM WED 22/12/10
Warrego R at Augathella *	3.42m	falling	08:10 AM THU 23/12/10
Nive R at Biddenham *	3.59m	falling	05:40 AM THU 23/12/10
Warrego R at The 27 Mile Garden *	4.17m	falling	05:20 AM THU 23/12/10
Bradley Ck at Raceview *	0.03m	steady	08:00 AM THU 23/12/10
Warrego R at Charleville	4.45m	rising	08:00 AM THU 23/12/10
Langlo R at Mt Morris	3.5m	steady	08:00 AM THU 23/12/10
Ward R at Binnowee *	2.08m	steady	08:00 AM THU 23/12/10
Warrego R at Bakers Bend *	3.1m	rising	05:40 AM THU 23/12/10
Warrego R at Wyandra *	4.03m	rising	08:00 AM THU 23/12/10
Warrego R at Wallen	3.55m	falling slowly	06:00 PM WED 22/12/10
Warrego R at Wallen *	3.67m	falling	06:00 AM THU 23/12/10
Warrego R at Cunnamulla Weir *	6.56m	falling	08:20 AM THU 23/12/10
Warrego R at Rocky	4.45m	falling slowly	06:00 AM THU 23/12/10
Warrego R at Barringun No.2	3.5m	steady	08:00 AM THU 23/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 9:27 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are falling along the Warrego at Charleville following a peak overnight. Minor flood levels are falling along the Langlo River at Mt Morris and Warilda. Moderate flood levels are occurring at Oak Park on the Ward River. Rises are expected through today at Binnowee.

Some minor flood levels are predicted for the lower Warrego at Wyandra and Wallen on Sunday and Monday. Moderate flood levels are forecast for Cunnamulla around Wednesday.

Next Issue:
The next warning will be issued by 11am Saturday.

Latest River Heights:

Warrego R at Augathella *	2.76m falling	08:00 AM FRI 24/12/10
Nive R at Biddenham *	2.72m falling	08:30 AM FRI 24/12/10
Warrego R at The 27 Mile Garden *	3.24m falling	08:30 AM FRI 24/12/10
Bradley Ck at Raceview *	0.03m steady	08:00 AM FRI 24/12/10
Warrego R at Charleville	4.78m falling slowly	08:00 AM FRI 24/12/10
Langlo R at Mt Morris	3.4m falling slowly	06:00 PM THU 23/12/10
Langlo R at Warilda	2.65m rising slowly	09:00 AM FRI 24/12/10
Ward R at Oakpark	3m falling slowly	09:35 PM THU 23/12/10
Ward R at Binnowee *	3.16m rising	08:20 AM FRI 24/12/1
Warrego R at Bakers Bend *	5.16m rising	08:30 AM FRI 24/12/10
Warrego R at Wyandra *	3.86m falling	08:00 AM FRI 24/12/10
Warrego R at Wallen	3.25m rising slowly	07:45 AM FRI 24/12/10
Warrego R at Wallen *	3.28m rising	08:00 AM FRI 24/12/10
Warrego R at Cunnamulla Weir *	6.33m falling	08:00 AM FRI 24/12/10
Warrego R at Rocky	4m falling	09:00 AM FRI 24/12/10
Warrego R at Barringun No.2	3.54m steady	09:00 AM FRI 24/12/10

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER

Issued at 7:01 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

A minor flood peak is currently in the Bakers Bend area. Minor flood levels are forecast at Wallen overnight Monday of just below 6 metres. Moderate flood levels are predicted for Cunnamulla of around 7.3 metres during Wednesday. A return to minor flood levels of around 3.8 metres is forecast for Rocky on Thursday.

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Next Issue:
The next warning will be issued by 11am Sunday.

Latest River Heights:

Warrego R at Augathella *	2.53m steady	05:00 AM SAT 25/12/10
Nive R at Biddenham *	2.34m steady	05:20 AM SAT 25/12/10
Warrego R at The 27 Mile Garden *	2.27m falling	05:50 AM SAT 25/12/10
Bradley Ck at Raceview *	0.03m steady	05:00 AM SAT 25/12/10
Warrego R at Charleville	3.65m falling slowly	06:00 AM SAT 25/12/10
Langlo R at Mt Morris	2.7m falling slowly	01:00 PM FRI 24/12/10
Langlo R at Warilda	2.95m rising slowly	03:00 PM FRI 24/12/10
Ward R at Binnowee *	3.42m falling	05:30 AM SAT 25/12/10
Warrego R at Bakers Bend *	5.79m steady	05:20 AM SAT 25/12/10
Warrego R at Wyandra *	4.35m rising	05:00 AM SAT 25/12/10
Warrego R at Wallen	3.3m steady	02:15 PM FRI 24/12/10
Warrego R at Wallen *	3.19m falling	05:00 AM SAT 25/12/10
Warrego R at Cunnamulla Weir *	6.29m steady	05:00 AM SAT 25/12/10
Warrego R at Rocky	4m falling	09:00 AM FRI 24/12/10
Warrego R at Barringun No.2	3.58m steady	05:00 AM SAT 25/12/10

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:22 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

The recent rainfall recorded in the upper Warrego River and the forecast for further rainfall in the next few days is expected to produce renewed rises and possible minor flooding at Charleville during the next few days.

A minor flood peak is approaching the Wyandra area with minor flood levels of just below 6 metres forecast for Wallen overnight Monday. Minor to moderate

flood levels between Cunnamulla and Rocky are expected to continue into next weekend.

Weather Forecast:
Isolated showers and thunderstorms with possible moderate to heavy falls.

Next Issue:
The next warning will be issued by 11am Monday.

Latest River Heights:

Warrego R at Augathella *	2.41m steady	08:00 AM SUN 26/12/10
Nive R at Biddenham *	2.13m steady	08:00 AM SUN 26/12/10
Warrego R at The 27 Mile Garden *	2.05m rising	08:40 AM SUN 26/12/10
Bradley Ck at Raceview *	0.03m steady	08:00 AM SUN 26/12/10
Warrego R at Charleville	2.3m falling	06:00 AM SUN 26/12/10
Langlo R at Warilda	3.05m falling slowly	09:00 AM SUN 26/12/10
Ward R at Binnowee *	2.93m steady	08:00 AM SUN 26/12/10
Warrego R at Bakers Bend *	4.76m falling	08:40 AM SUN 26/12/10
Warrego R at Wyandra *	5.66m rising	08:33 AM SUN 26/12/10
Warrego R at Wallen *	3.1m steady	08:30 AM SUN 26/12/10
Warrego R at Cunnamulla Weir *	6.3m steady	08:00 AM SUN 26/12/10
Warrego R at Rocky	3.24m falling	09:00 AM SUN 26/12/10
Warrego R at Barringun No.2	3.62m steady	08:00 AM SUN 26/12/10

* from automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 10:27 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Further very heavy rainfall has been recorded across the Carnarvon Range with a daily rainfall total of 274mm recorded at Carnarvon Station situated at the top of the Warrego catchment. Further heavy rainfall is forecast during the next few days which is likely to result in further rises and higher levels than forecast.

The heavy rainfall recorded across the Carnarvon Range is expected to result in fast river rises and moderate to major flooding in the upper Warrego catchment to Augathella within the next 24 hours.

Rises will extend downstream to The 27 Mile Garden and Charleville during the week, where major flooding is possible at Charleville later this week.

River rises causing minor to moderate flooding are occurring along the Ward and Langlo Rivers, with a return to minor flood levels at Bakers Bend likely during Tuesday.

Minor flooding is rising slowly in the Wallen area, with minor flood levels also rising in the Cunnamulla and Rocky area from earlier rainfalls. The latest very heavy rainfall is expected to result in moderate to major flood levels to develop along the lower Warrego River later this week and into next week.

Weather Forecast:
Scattered showers and isolated thunderstorms in the far north and east, tending to rain at times. Isolated showers and thunderstorms elsewhere, chiefly afternoon and night.

Next Issue:
The next warning will be issued at about 6pm Monday.

Latest River Heights:

Warrego R at Lochinvar	3m falling	09:00 AM MON 27/12/10
Hoganthulla Ck at Wetlands	2.9m rising	09:00 AM MON 27/12/10
Warrego R at Augathella *	3.61m rising	09:40 AM MON 27/12/10
Nive R at Drensmaine	NA	
Nive R at Biddenham *	2.38m steady	09:00 AM MON 27/12/10
Warrego R at The 27 Mile Garden *	2.32m steady	09:00 AM MON 27/12/10
Bradley Ck at Raceview *	0.03m steady	09:00 AM MON 27/12/10
Warrego R at Charleville	2.84m rising slowly	08:00 AM MON 27/12/10
Langlo R at Mt Morris	NA	
Langlo R at Warilda	3.55m rising slowly	09:00 AM MON 27/12/10
Ward R at Oakpark	3.3m rising fast	08:15 AM MON 27/12/10
Ward R at Binnowee *	3.42m rising	09:20 AM MON 27/12/10
Angellala Ck at Authoringa	NA	
Warrego R at Bakers Bend *	3.91m steady	08:40 AM MON 27/12/10
Warrego R at Murweh	NA	
Warrego R at Wyandra *	5.48m falling	09:00 AM MON 27/12/10
Warrego R at Wallen	5.55m rising slowly	09:00 AM MON 27/12/10
Warrego R at Wallen *	3.26m rising	09:30 AM MON 27/12/10
Warrego R at Cunnamulla Br	NA	
Warrego R at Cunnamulla Weir *	6.44m rising	09:00 AM MON 27/12/10
Warrego R at Rocky	3.29m steady	09:00 AM MON 27/12/10
Warrego R at Barringun No.2	3.68m steady	10:00 AM MON 27/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 6:30 PM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall across the Carnarvon Range overnight Sunday is causing fast rises and moderate to major flooding in the upper Warrego catchment to Augathella. The heavy rainfall has now cleared from the catchment.

Rises will extend downstream to The 27 Mile Garden and Charleville during the week, where major flooding is possible at Charleville later this week.

River rises causing minor to moderate flooding are occurring along the Ward and Langlo Rivers, with a return to minor flood levels at Bakers Bend likely during Tuesday.

Minor flooding is rising slowly in the Wallen area, with minor flood levels also rising in the Cunnamulla and Rocky area from earlier rainfalls. The latest very heavy rainfall is expected to result in moderate to major flood levels to develop along the lower Warrego River by the weekend and into next week.

Weather Forecast:
Isolated showers and possible thunderstorms.

Next Issue:
The next warning will be issued at about 9am Tuesday.

Latest River Heights:

Warrego R at Lochinvar	3.2m rising slowly	06:00 PM MON 27/12/10
Hoganthulla Ck at Wetlands	3.5m steady	03:00 PM MON 27/12/10
Warrego R at Augathella *	5.72m rising	05:40 PM MON 27/12/10
Nive R at Biddenham *	2.52m rising	04:30 PM MON 27/12/10
Warrego R at The 27 Mile Garden *	2.38m steady	04:00 PM MON 27/12/10
Bradley Ck at Raceview *	0.03m steady	04:00 PM MON 27/12/10
Warrego R at Charleville	3.08m rising slowly	04:00 PM MON 27/12/10
Langlo R at Warilda	3.55m steady	03:00 PM MON 27/12/10
Ward R at Oakpark	3.3m rising fast	08:15 AM MON 27/12/10
Ward R at Binnowee *	3.71m rising	05:30 PM MON 27/12/10
Warrego R at Bakers Bend *	4m steady	04:20 PM MON 27/12/10
Warrego R at Wyandra *	5.26m falling	04:00 PM MON 27/12/10
Warrego R at Wallen	5.7m rising slowly	03:00 PM MON 27/12/10
Warrego R at Wallen *	3.63m rising	04:00 PM MON 27/12/10
Warrego R at Cunnamulla Weir *	6.55m rising	05:00 PM MON 27/12/10
Warrego R at Rocky	3.29m steady	03:00 PM MON 27/12/10
Warrego R at Barringun No.2	3.69m steady	05:00 PM MON 27/12/10

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:41 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and minor to moderate flooding are occurring in the upper Warrego catchment to Augathella, with renewed rises and major flooding expected at Augathella within the next 24 hours as upstream floodwaters arrive.

Rises will extend downstream to The 27 Mile Garden and Charleville during the week, where major flooding is possible at Charleville later this week.

River rises causing minor to moderate flooding are occurring along the Ward and Langlo Rivers, with a return to minor flood levels at Bakers Bend during Tuesday.

Minor flooding is easing in the Wallen area, with further rises expected later this week. River rises and minor to moderate flooding is occurring in the Cunnamulla and Rocky area from earlier rainfalls. The latest very heavy rainfall is expected to result in moderate to major flood levels to develop along the lower Warrego River by the weekend and into next week.

Weather Forecast:
Isolated showers in the far north and developing in most parts during the afternoon.

Next Issue:
The next warning will be issued at about 9am Wednesday.

Latest River Heights:

Warrego R at Lochinvar	5.4m rising fast	09:00 AM TUE 28/12/10
Hoganthulla Ck at Wetlands	3.5m steady	03:00 PM MON 27/12/10
Warrego R at Augathella *	5.84m falling	08:00 AM TUE 28/12/10
Nive R at Drensmaine	NA	
Nive R at Biddenham *	3.75m rising	07:20 AM TUE 28/12/10
Warrego R at The 27 Mile Garden *	2.6m steady	07:10 AM TUE 28/12/10
Bradley Ck at Raceview *	0.03m steady	07:00 AM TUE 28/12/10
Warrego R at Charleville	2.65m falling slowly	08:00 AM TUE 28/12/10
Langlo R at Mt Morris	NA	
Langlo R at Warilda	3.45m steady	06:00 AM TUE 28/12/10
Ward R at Oakpark	NA	
Ward R at Binnowee *	3.91m rising	08:10 AM TUE 28/12/10
Warrego R at Bakers Bend *	4.64m steady	07:40 AM TUE 28/12/10
Warrego R at Murweh	NA	
Warrego R at Wyandra *	4.81m falling	07:00 AM TUE 28/12/10
Warrego R at Wallen	5.6m falling slowly	06:45 AM TUE 28/12/10
Warrego R at Cunnamulla Weir *	6.81m rising	08:00 AM TUE 28/12/10
Warrego R at Rocky	3.44m rising	06:00 AM TUE 28/12/10
Warrego R at Barringun No.2	3.72m steady	07:00 AM TUE 28/12/10

* denotes automatic station.

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 1:17 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Fast rises and minor to major flooding are occurring in the upper Warrego catchment to Augathella, with further rises and major flooding expected at Augathella within the next 24 hours as upstream floodwaters arrive.

Fast rises are continuing this morning at Lochinvar where the level at midnight was 8.5 metres and equal to the level observed in 2008. A peak is expected overnight and it's possible levels may reach April 1990 levels of 8.85 metres.

Downstream at Augathella, flood levels are expected to rise further to at least 6.5 metres during Wednesday. Further predictions will be made once a peak is observed at Lochinvar.

At The 27 Mile Garden and Charleville, major flood levels will occur this week and rises at Charleville to 6 metres are possible. Further predictions will be made once a peak is observed at Augathella.

River rises causing minor to moderate flooding are occurring along the Ward and Langlo Rivers, with a return to minor flood levels at Bakers Bend during Tuesday.

Minor flooding is easing in the Wallen area, with further rises expected later this week. River rises and minor to moderate flooding is occurring in the Cunnamulla and Rocky area from earlier rainfalls. The latest very heavy rainfall is expected to result in moderate to major flood levels to develop along the lower Warrego River by the weekend and into next week.

Next Issue:
The next warning will be issued at about 9am Wednesday.

Latest River Heights:

Warrego R at Lochinvar	8.6m rising slowly	12:30 AM WED 29/12/10
Hoganthulla Ck at Wetlands	2.9m falling slowly	09:00 AM TUE 28/12/10
Warrego R at Augathella *	5.95m rising	12:00 AM WED 29/12/10
Nive R at Biddenham *	3.99m steady	11:00 PM TUE 28/12/10
Warrego R at The 27 Mile Garden *	3.85m steady	11:00 PM TUE 28/12/10
Bradley Ck at Raceview *	0.03m steady	11:00 PM TUE 28/12/10
Warrego R at Charleville	2.5m rising slowly	12:00 AM WED 29/12/10
Langlo R at Warilda	3.5m rising slowly	03:00 PM TUE 28/12/10
Ward R at Binnowee *	4.12m rising	12:30 AM WED 29/12/10
Warrego R at Bakers Bend *	4.89m steady	11:50 PM TUE 28/12/10

Warrego R at Wyandra *	4.56m steady	11:00 PM TUE 28/12/10
Warrego R at Wallen	5.15m falling slowly	06:45 PM TUE 28/12/10
Warrego R at Wallen *	3.03m falling	11:00 PM TUE 28/12/10
Warrego R at Cunnamulla Weir *	7m steady	12:00 AM WED 29/12/10
Warrego R at Rocky	3.57m rising slowly	03:00 PM TUE 28/12/10
Warrego R at Barringun No.2	3.74m steady	12:00 AM WED 29/12/10

*automatic station

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TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:52 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding is occurring in the upper Warrego catchment to Augathella and Biddenham, with further rises and a major flood peak expected at Augathella this evening. Moderate to major flooding can be expected downstream to Charleville during the weekend.

Major flooding is occurring in the upper Warrego catchment, where a major flood peak at Lochinvar to 8.65 metres was recorded at 1am Wednesday, and a major flood peak to about 6.5 metres is expected at Augathella this evening. At 8.10am Wednesday the river level at Augathella was 6.0 metres and rising with major flooding. Moderate flooding is also rising in the Nive river at Biddenham.

Moderate flooding is rising in the Warrego River at The 27 Mile Garden, with further rises and major flooding during Wednesday. Downstream at Charleville the river is rising but is currently below the minor flood level. It is predicted that the moderate flood level of 5.0 metres will be exceeded this week and rises to 6.0 metres are possible.

River rises causing minor flooding is occurring along the Ward and Langlo Rivers, with river levels remaining below minor downstream in the Warrego River at Bakers Bend.

Renewed river rises have commenced at Wyandra, with rises to commence in the Wallen area later this week. River rises and minor to moderate flooding is occurring in the Cunnamulla and Rocky area from earlier rainfalls, however further renewed rises and higher levels and moderate to major flooding are expected during next week.

Weather Forecast:
Mostly fine, apart from isolated afternoon showers in the northeast.

Next Issue:
The next warning will be issued at about 9am Thursday.

Latest River Heights:

Warrego R at Lochinvar	8.05m falling	07:00 AM WED 29/12/10
Hoganthulla Ck at Wetlands	2.9m falling slowly	09:00 AM TUE 28/12/10
Warrego R at Augathella *	6.01m rising	08:10 AM WED 29/12/10
Nive R at Drensmaine	NA	
Nive R at Biddenham *	4.05m rising	08:30 AM WED 29/12/10
Warrego R at The 27 Mile Garden *	3.97m rising	08:40 AM WED 29/12/10
Bradley Ck at Raceview *	0.03m steady	08:00 AM WED 29/12/10
Warrego R at Charleville	2.65m rising slowly	06:00 AM WED 29/12/10
Langlo R at Mt Morris	NA	
Langlo R at Warilda	3.75m estimated peak	06:00 AM WED 29/12/10
Ward R at Oakpark	NA	
Ward R at Binnowee *	4.18m steady	08:20 AM WED 29/12/10
Angellala Ck at Authoringa	NA	
Warrego R at Bakers Bend *	4.84m steady	08:10 AM WED 29/12/10
Warrego R at Murweh	NA	
Warrego R at Wyandra *	4.66m rising	08:00 AM WED 29/12/10
Warrego R at Wallen	4.7m falling slowly	06:30 AM WED 29/12/10
Warrego R at Cunnamulla Weir *	7.01m steady	08:00 AM WED 29/12/10
Warrego R at Rocky	3.91m rising	06:30 AM WED 29/12/10
Warrego R at Barringun No.2	3.75m steady	08:00 AM WED 29/12/10

* denotes automatic station.

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public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:54 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding has peaked in the upper Warrego catchment at
Augathella and Biddenham. Moderate to major flooding can be expected downstream
to Charleville during the weekend.

Major flooding is falling at Augathella. At 8am Thursday, the flood level at
Augathella was 6.41 metres. Moderate flooding is also easing in the Nive river
at Biddenham.

Moderate flooding is rising in the Warrego River at The 27 Mile Garden, with
further rises and a return to major flooding during Thursday. Downstream at
Charleville, the river is rising but is currently below the minor flood level.
It is predicted that the moderate flood level of 5.0 metres will be reached this
week and rises to 5.5 metres are possible.

River rises are occurring along the Ward and Langlo Rivers, with minor flooding at Binnowee.

Renewed river rises are occurring at Wyandra, with rises to commence in the Wallen area late this week. River rises and minor to moderate flooding are occurring in the Cunnamulla and Rocky area from earlier rainfalls, however further renewed rises with moderate to major flooding are expected during next week.

Weather Forecast:
Fine

Next Issue:
The next warning will be issued at about 9am Friday.

Latest River Heights:

Warrego R at Lochinvar	4.3m	falling fast	06:00 PM WED 29/12/10
Warrego R at Augathella *	6.42m	falling	06:30 AM THU 30/12/10
Nive R at Biddenham *	4.48m	falling	06:30 AM THU 30/12/10
Warrego R at The 27 Mile Garden *	3.91m	rising	06:40 AM THU 30/12/10
Bradley Ck at Raceview *	0.03m	steady	06:00 AM THU 30/12/10
Warrego R at Charleville	4.77m	rising slowly	06:00 AM THU 30/12/10
Langlo R at Warilda	3.5m	falling slowly	06:00 AM THU 30/12/10
Ward R at Binnowee *	4.16m	steady	06:00 AM THU 30/12/10
Warrego R at Bakers Bend *	5.06m	rising	06:40 AM THU 30/12/10
Warrego R at Wyandra *	5.06m	steady	06:00 AM THU 30/12/10
Warrego R at Wallen	4.28m	steady	06:00 AM THU 30/12/10
Warrego R at Cunnamulla Br	7.25m	rising slowly	09:00 AM WED 29/12/10
Warrego R at Cunnamulla Weir *	6.8m	steady	06:40 AM THU 30/12/10
Warrego R at Rocky	4.18m	rising slowly	06:30 AM THU 30/12/10
Warrego R at Barringun No.2	3.75m	steady	07:00 AM THU 30/12/10

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:59 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding has peaked in the upper Warrego catchment at Augathella and Biddenham. Moderate to major flooding can be expected downstream to Charleville during the weekend.

Minor flooding is falling on the upper Warrego River at Augathella and in the Nive River at Biddenham. Major flooding is rising in the Warrego River at The 27 Mile Garden, with some further small rises possible during the next 24 hours. Downstream at Charleville, further small rises and a moderate flood peak is expected to about 5.2 metres during the weekend.

River level rises continue between Bakers Bend and the Wallen area. Minor flood levels at Bakers Bend are forecast to reach around 6.5 metres during the weekend. Renewed rises causing moderate to major flooding are expected at Cunnamulla during next week.

Next Issue:
The next warning will be issued at about 9am Saturday.

Latest River Heights:

Warrego R at Augathella *	4.07m falling	08:20 AM FRI 31/12/10
Nive R at Biddenham *	3.15m falling	07:40 AM FRI 31/12/10
Warrego R at The 27 Mile Garden *	4.05m rising	07:40 AM FRI 31/12/10
Bradley Ck at Raceview *	0.03m steady	07:00 AM FRI 31/12/10
Warrego R at Charleville	4.84m rising slowly	06:00 AM FRI 31/12/10
Langlo R at Warilda	2.15m falling	06:00 AM FRI 31/12/10
Ward R at Binnowee *	3.84m falling	08:10 AM FRI 31/12/10
Warrego R at Bakers Bend *	6.00m steady	07:10 AM FRI 31/12/10
Warrego R at Wyandra *	5.15m steady	07:00 AM FRI 31/12/10
Warrego R at Wallen	4.84m rising slowly	06:00 AM FRI 31/12/10
Warrego R at Cunnamulla Br	NA	
Warrego R at Cunnamulla Weir *	6.56m steady	08:00 AM FRI 31/12/10
Warrego R at Rocky	4.14m falling slowly	06:30 AM FRI 31/12/10
Warrego R at Barringun No.2	3.61m steady	08:00 AM FRI 31/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:49 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding is occurring at Charleville. Downstream river rises and minor flooding will continue during the weekend.

Flooding has eased below minor in the Warrego River to Augathella. Minor flooding continues to fall in the Nive River at Biddenham. Moderate flooding is falling at The 27 Mile Garden.

The flood peak remains in the Charleville area, where at 6 am Saturday a height

of 5.1 metres was recorded. Flood levels should remain high during Saturday and commence falling during Sunday.

River level rises and minor flooding continues between Bakers Bend and the Cunnamulla area. Minor flood levels at Bakers Bend are forecast to reach around 6.5 metres during the weekend. Moderate flooding is expected at Cunnamulla during next week.

Next Issue:
The next warning will be issued at about 9am Sunday.

Latest River Heights:

Warrego R at Augathella *	3.36m falling	07:30 AM SAT 01/01/11
Nive R at Biddenham *	2.55m steady	07:10 AM SAT 01/01/11
Warrego R at The 27 Mile Garden *	3.61m falling	07:30 AM SAT 01/01/11
Bradley Ck at Raceview *	0.03m steady	07:00 AM SAT 01/01/11
Warrego R at Charleville	5.09m steady	06:00 AM SAT 01/01/11
Langlo R at Warilda	2.7m rising slowly	06:00 AM SAT 01/01/11
Ward R at Binnowee *	3.62m steady	07:00 AM SAT 01/01/11
Warrego R at Bakers Bend *	6.03m steady	07:00 AM SAT 01/01/11
Warrego R at Murweh	NA	
Warrego R at Wyandra *	5.77m rising	07:00 AM SAT 01/01/11
Warrego R at Wallen	5.05m rising slowly	07:45 AM SAT 01/01/11
Warrego R at Cunnamulla Br	6.7m falling	09:30 AM FRI 31/12/10
Warrego R at Cunnamulla Weir *	6.67m steady	07:10 AM SAT 01/01/11
Warrego R at Rocky	3.9m falling slowly	06:15 AM SAT 01/01/11
Warrego R at Barringun No.2	3.42m steady	08:00 AM SAT 01/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:51 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease at Charleville. Minor flooding will extend downstream from Bakers Bend during the next few days, with some moderate flooding also expected in the Cunnamulla and Rocky areas.

Minor flooding continues to slowly ease in the Nive River at Biddenham. Minor flooding also continues to ease in the upper Warrego River at The 27 Mile Garden and downstream at Charleville. At 6am Sunday, the river level at Charleville was 4.12 metres and falling.

Minor flood levels have commenced to slowly ease at Bakers Bend, with minor flooding extending downstream through to the Cunnamulla and Rocky areas. River

levels at Cunnamulla are expected to exceed the moderate flood level during Sunday, with further rises and a moderate flood peak expected later this week.

Weather Forecast:
Isolated afternoon or evening showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Warrego R at Augathella *	3m falling	08:00 AM SUN 02/01/11
Nive R at Biddenham *	2.21m steady	07:00 AM SUN 02/01/11
Warrego R at The 27 Mile Garden *	2.41m falling	07:30 AM SUN 02/01/11
Bradley Ck at Raceview *	0.03m steady	07:00 AM SUN 02/01/11
Warrego R at Charleville	4.12m falling	06:00 AM SUN 02/01/11
Langlo R at Warilda	2.8m estimated peak	06:00 AM SUN 02/01/11
Ward R at Binnowee *	3.33m falling	08:10 AM SUN 02/01/11
Warrego R at Bakers Bend *	6.06m steady	07:20 AM SUN 02/01/11
Warrego R at Murweh	NA	
Warrego R at Wyandra *	6.06m steady	07:00 AM SUN 02/01/11
Warrego R at Wallen	5.7m rising slowly	05:15 AM SUN 02/01/11
Warrego R at Cunnamulla Br	6.9m rising slowly	09:00 AM SAT 01/01/11
Warrego R at Cunnamulla Weir *	6.77m steady	08:20 AM SUN 02/01/11
Warrego R at Rocky	3.86m falling slowly	09:00 AM SAT 01/01/11
Warrego R at Barringun No.2	3.37m steady	08:00 AM SUN 02/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM623

IDQ20845

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE WARREGO RIVER
Issued at 8:47 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding will ease at Wyandra and Wallen during the next 48 hours. Moderate flood levels are expected to peak around 7.5 metres during Wednesday at Cunnamulla. Moderate flood levels at Rocky will peak around 4.2 metres on Thursday.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Warrego R at Augathella *	2.8m steady	08:00 AM MON 03/01/11
Nive R at Biddenham *	1.98m steady	07:20 AM MON 03/01/11

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Warrego R at The 27 Mile Garden * 1.93m steady       07:40 AM MON 03/01/11
Bradley Ck at Raceview *          0.03m steady       07:00 AM MON 03/01/11
Warrego R at Charleville          2.55m falling      07:30 AM MON 03/01/11
Langlo R at Warilda               2.1m falling       03:00 PM SUN 02/01/11
Ward R at Binnowee *              2.7m falling       08:00 AM MON 03/01/11
Warrego R at Bakers Bend *        4.99m falling      07:30 AM MON 03/01/11
Warrego R at Wyandra *            6.14m steady       07:00 AM MON 03/01/11
Warrego R at Wallen               6.2m rising slowly 05:00 AM MON 03/01/11
Warrego R at Cunnamulla Weir *    6.98m rising       08:20 AM MON 03/01/11
Warrego R at Rocky                4.01m rising       06:00 AM MON 03/01/11
Warrego R at Barringun No.2       3.42m steady       08:00 AM MON 03/01/11

*automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(27)"

FLDWARN for the Paroo River

1 December 2010 to 31 January 2011

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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PAROO RIVER
Issued at 12:27 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall recorded overnight is producing river level rises and minor
flooding in the Eulo area. Further river level rises are possible into the
weekend as upstream floodwaters arrive.

Minor flooding continues to ease in the Hungerford area.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:
Paroo R at Eulo            2.45m rising  09:30 AM FRI 03/12/10
Paroo R at Caiwarro *      1.37m steady  08:00 AM FRI 03/12/10
Paroo R at Hungerford      1.11m falling 06:00 AM FRI 03/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 12:28 PM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall recorded overnight is producing river level rises and minor
flooding in the Eulo area. Further river level rises are possible into the
weekend as upstream floodwaters arrive.

Minor flooding continues to ease in the Hungerford area.

Next Issue:
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The next warning will be issued at about 10am Saturday.

Latest River Heights:
Paroo R at Eulo            2.45m rising  09:30 AM FRI 03/12/10
Paroo R at Caiwarro *      1.37m steady  08:00 AM FRI 03/12/10
Paroo R at Hungerford      1.11m falling 06:00 AM FRI 03/12/10

* from automatic station

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:06 AM on Saturday the 4th of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises and moderate flooding continue in the Paroo River at Eulo.
Further river level rises are possible during the weekend.

Minor to moderate flood levels are likely downstream between Caiwarro and
Hungerford throughout next week. Predictions for Hungerford will be made once
upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:
Paroo R at Eulo          3.20m rising slowly 09:00 AM SAT 04/12/10
Paroo R at Caiwarro *    1.41m steady        08:00 AM SAT 04/12/10
Paroo R at Hungerford    0.95m falling       06:00 AM SAT 04/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR THE PAROO RIVER
Issued at 8:57 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to rise slowly on the Paroo River at Eulo, with
further river level rises possible during the next few days. River rises are
occurring downstream from Eulo, with minor flooding occurring at Caiwarro.
Further rises causing minor to moderate flooding are expected through to
Hungerford during this week.

Predictions for Hungerford will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:
Paroo R at Eulo            3.4m rising slowly  06:00 AM SUN 05/12/10
Paroo R at Caiwarro *      1.73m rising        08:00 AM SUN 05/12/10
Paroo R at Hungerford      0.95m rising slowly 06:00 AM SUN 05/12/10


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:47 AM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing in the Paroo River at Eulo, with minor flooding
currently rising at Caiwarro. River level rises and minor flooding is being
recorded at Hungerford with moderate flooding possible later in the week.

Predictions for Hungerford will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:
Beechal Ck at Quilpeta     1.40m falling  09:00 AM MON 06/12/10
Paroo R at Eulo            3.20m falling  06:00 AM MON 06/12/10
Paroo R at Caiwarro *      2.16m steady   08:00 AM MON 06/12/10
Paroo R at Hungerford      1.00m steady   06:00 AM MON 06/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:14 AM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is easing in the Paroo River at Eulo, with minor flooding currently rising at Caiwarro and moderate flooding likely during the next 24 hours. River level rises and minor flooding is being recorded at Hungerford with moderate flooding possible later in the week.

At 6am Tuesday the river level at Hungerford was about 0.17 metres above the level of the Paroo River crossing. Predictions for Hungerford will be made once upstream peaks have been observed.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Beechal Ck at Quilpeta	1.1m falling	03:00 PM MON 06/12/10
Paroo R at Humeburn	NA	
Paroo R at Eulo	NA	
Paroo R at Caiwarro *	2.45m rising slowly	08:00 AM TUE 07/12/10
Paroo R at Hungerford	1.17m rising slowly	06:00 AM TUE 07/12/10

* denotes automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 10:11 AM on Wednesday the 8th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall in excess of 50mm has been recorded at Boothulla during the past 24 hours to 9am Wednesday. This rainfall is expected to produce river level rises at Eulo. Minor to moderate flooding is continuing between Caiwarro and

Hungerford.

Recent rainfall is expected to produce renewed rises in the Paroo River downstream to Eulo during the next few days. River level rises are being recorded at Eulo where at 8am Wednesday the river level was 3.25m.

Further downstream between Caiwarro and Hungerford river level rises and minor to moderate flooding continues. At 6am Wednesday the river level at Hungerford was about 0.35 metres above the level of the Paroo River crossing. Predictions for Hungerford will be made once upstream peaks have been observed.

Further rises are expected at Hungerford going into next week as upstream floodwaters arrive.

Weather Forecast:
Scattered showers and thunderstorms in the afternoon and evening.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Paroo R at Eulo	3.25m rising slowly	08:00 AM WED 08/12/10
Paroo R at Caiwarro *	2.69m steady	08:00 AM WED 08/12/10
Paroo R at Hungerford	1.35m rising slowly	06:00 AM WED 08/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:33 AM on Thursday the 9th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall recorded yesterday is producing river level rises and moderate flooding in the Paroo River at Eulo. Minor to moderate flooding is continuing downstream between Caiwarro and Hungerford.

Moderate flood levels are expected to continue rising in the Paroo River at Eulo where at 6am Thursday the river level was 3.4 metres. River level rises and minor to moderate flooding continues downstream between Caiwarro and Hungerford. At 6am Thursday the river level at Hungerford was about 0.43 metres above the level of the Paroo River crossing.

The Paroo River at Hungerford is expected to peak around 1.6 metres overnight Friday. River levels are expected to remain steady around the moderate flood level of 1.5 metres into next week.

Predicted River Heights/Flows:
Paroo River at:

Eulo Peak around 1.6 metres overnight Friday.

Weather Forecast:
Scattered showers and thunderstorms southwest of about Charleville, increasing to rain during the afternoon. Isolated showers and thunderstorms in the northeast during the afternoon and evening.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Beechal Ck at Quilpeta	2.00m rising	09:00 AM THU 09/12/10
Paroo R at Eulo	3.40m steady	06:00 AM THU 09/12/10
Paroo R at Caiwarro *	2.76m steady	08:00 AM THU 09/12/10
Paroo R at Hungerford	1.43m rising slowly	06:00 AM THU 09/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 10:01 AM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to heavy rainfall has been recorded in the past 24 hours throughout the Paroo River catchment. This rainfall is expected to produce river level rises and a return to moderate flood levels in the Paroo River at Eulo. Moderate flooding is continuing downstream at Caiwarro with moderate flood levels at Hungerford rising following moderate to heavy rainfall.

The heaviest rainfalls that have been recorded in the 24 hours to 9am Friday include: Boothulla 51.4mm, Cowley 50mm and Hungerford 45.8mm.

Minor flood levels are falling fast at Eulo however renewed rises and a return to at least moderate flood levels are likely following overnight rainfall. River levels downstream in the Caiwarro area have peaked and are currently easing.

Local moderate to heavy rainfall has been recorded overnight at Hungerford. At 6am Friday the Paroo River at Hungerford was 1.65 metres and rising, which is about 0.65 metres above the Paroo River crossing. River levels are expected to continue rising into the weekend.

Weather Forecast:
Scattered showers and thunderstorms, tending to rain areas with possible

moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Beechal Ck at Quilpeta	2.30m rising slowly	09:00 AM FRI 10/12/10
Paroo R at Eulo	2.95m falling fast	06:00 AM FRI 10/12/10
Paroo R at Caiwarro *	2.69m falling	08:20 AM FRI 10/12/10
Paroo R at Hungerford	1.65m rising	06:00 AM FRI 10/12/10

* from automatic station

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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:40 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall is expected to produce renewed rises in the Paroo River at Eulo with a return to moderate flood levels possible. Moderate flooding is continuing to slowly ease downstream between Caiwarro and Hungerford following moderate to heavy local rainfall.

Minor flood levels are easing at Eulo however renewed rises are likely during the weekend following moderate to heavy rainfall recorded during the last few days. Moderate flood levels downstream in the Caiwarro area have peaked and are currently easing.

Moderate flood levels are easing slowly in the Paroo River at Hungerford following recent local rainfall. At 6am Saturday the Paroo River at Hungerford was 1.68 metres and easing, which is about 0.68 metres above the Paroo River crossing. River levels are expected to continue easing for the remainder of the weekend.

Weather Forecast:
Rain areas, showers and isolated thunderstorms.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Beechal Ck at Quilpeta	2.45m rising slowly	03:00 PM FRI 10/12/10
Paroo R at Eulo	2.70m falling	08:00 AM SAT 11/12/10
Paroo R at Caiwarro *	2.63m falling slowly	08:00 AM SAT 11/12/10
Paroo R at Hungerford	1.68m falling slowly	06:00 AM SAT 11/12/10

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* from automatic station


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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:51 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall produced renewed rises to moderate flood levels in the Paroo
River at Eulo. Moderate flooding continues to ease slowly downstream between
Caiwarro and Hungerford, with renewed rises possible during this week.

Moderate flood levels are rising at Eulo following moderate to heavy rainfall
recorded during the last few days. Moderate flood levels downstream in the
Caiwarro area continue easing, with renewed rises likely.

Moderate flood levels are easing slowly in the Paroo River at Hungerford. At 6am
Sunday, the river was 1.6 metres and falling, which is about 0.6 metres above
the Paroo River crossing. Renewed river level rises are possible during this
week.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:
Paroo R at Eulo            3.1m rising         06:00 AM SUN 12/12/10
Paroo R at Caiwarro *      2.56m steady        08:00 AM SUN 12/12/10
Paroo R at Hungerford      1.6m falling slowly 06:00 AM SUN 12/12/10

* automatic stations.


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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850
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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 7:19 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Renewed rises are causing moderate flood levels in the Paroo River at Eulo. Minor to moderate flooding continues to ease slowly downstream between Caiwarro and Hungerford, with some renewed rises during this week.

Moderate flood levels are rising at Eulo following rainfall late last week. Minor flood levels downstream in the Caiwarro area continue to ease, with renewed rises likely this week.

Moderate flood levels are easing slowly in the Paroo River at Hungerford. At 6am Monday, the river level was 1.56 metres and falling, which is about 0.66 metres above the Paroo River crossing. Renewed river level rises are likely during this week.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:

Paroo R at Eulo	3.35m rising	05:30 AM MON 13/12/10
Paroo R at Caiwarro *	2.39m steady	06:00 AM MON 13/12/10
Paroo R at Hungerford	1.56m falling slowly	06:00 AM MON 13/12/10

* from automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 8:45 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding remains steady on the Paroo River at Eulo. Minor to moderate flooding continues downstream between Caiwarro and Hungerford, with some renewed rises expected during this week.

Moderate flood levels are nearing a peak at Eulo following rainfall late last week. Minor flood levels downstream in the Caiwarro area are currently steady, with renewed rises likely within the next few days.

Moderate flood levels are easing slowly in the Paroo River at Hungerford. At 5am Tuesday, the river level was 1.55 metres and falling, which is about 0.65 metres

above the Paroo River crossing. Renewed river level rises are expected later this week.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Paroo R at Eulo	3.35m steady	05:30 AM TUE 14/12/10
Paroo R at Caiwarro *	2.32m steady	06:00 AM TUE 14/12/10
Paroo R at Hungerford	1.55m falling slowly	05:00 AM TUE 14/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 8:57 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to rise in the Paroo River at Eulo. Moderate flooding continues downstream between Caiwarro and Hungerford, with some renewed rises expected this week.

Moderate flood levels continue to rise at Eulo following rainfall late last week. Renewed rises and moderate flood levels are being recorded downstream in the Caiwarro area. Further rises are expected for the next few days.

Moderate flood levels are falling slowly in the Paroo River at Hungerford. At 6am Wednesday, the river level was 1.53 metres and falling, which is about 0.53 metres above the Paroo River crossing. Renewed river level rises are expected later this week.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Paroo R at Eulo	3.50m rising slowly	05:30 AM WED 15/12/10
Paroo R at Caiwarro *	2.46m rising	08:00 AM WED 15/12/10
Paroo R at Hungerford	1.53m falling slowly	06:00 AM WED 15/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 8:01 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues to rise in the Paroo River at Eulo with major flood
levels a possibility in the next 24 hours. Minor to moderate flooding continues
downstream between Caiwarro and Hungerford, with renewed rises expected through
the weekend.

Moderate flood levels continue to rise at Eulo. Major flood levels of 4 metres
may be reached into Friday.

Levels of at least 2.8 metres should be expected at Caiwarro with further rises.

Minor flood levels are falling in the Paroo River at Hungerford. At 6am
Thursday, the river level was 1.48 metres and falling, which is about 0.5 metres
above the Paroo River crossing. River levels will rise again through the
weekend. A peak forecast will be made once a peak has been observed at Eulo.

Next Issue:
The next warning will be issued by 10am Friday.

Latest River Heights:

Paroo R at Eulo            3.75m rising slowly  06:00 AM THU 16/12/10
Paroo R at Caiwarro *      2.56m steady         06:00 AM THU 16/12/10
Paroo R at Hungerford      1.48m falling slowly 06:00 AM THU 16/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 7:52 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.
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Moderate flood levels have peaked in the Paroo River at Eulo. Minor to moderate flooding continues downstream between Caiwarro and Hungerford, with renewed rises expected to continue during the weekend.

Moderate flood levels at Eulo have recorded a 3.8 metre peak at 6am Friday, with further small rises to at least 2.8 metres are expected at Caiwarro during the weekend.

Minor flood levels are rising slowly in the Paroo River at Hungerford. At 5am Friday, the river level was 1.49 metres and rising slowly, which is about 0.5 metres above the Paroo River crossing. River levels will continue to rise through the weekend. A moderate flood peak up to 1.7 metres is forecast for Hungerford early next week.

Next Issue:
The next warning will be issued by 10am Saturday.

Latest River Heights:

Paroo R at Eulo	3.80m at peak	06:00 AM FRI 17/12/10
Paroo R at Caiwarro *	2.60m steady	06:00 AM FRI 17/12/10
Paroo R at Hungerford	1.49m rising slowly	05:00 AM FRI 17/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 9:26 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding peaked in the Paroo river at Eulo during Friday and is expected to continue downstream to Hungerford during the week.

Moderate flood level at Eulo recorded a 3.8 metre peak during Friday and is now slowly easing.

Moderate flooding continues downstream to Caiwarro and Hungerford with further rises expected. River levels at Caiwarro are expected to rise to at least 2.8 metres during Sunday.

At 7am Saturday, the Paroo River at Hungerford was 1.53 metres and rising slowly, which is 0.53 metres above the Paroo River crossing. River levels at Hungerford will continue to rise through the weekend with a moderate flood peak of 1.7 metres expected early in the week.

Weather Forecast:
Patchy light rain.

Next Issue:
The next warning will be issued by 10am Sunday.

Latest River Heights:

Paroo R at Eulo	3.75m falling slowly	06:00 AM SAT 18/12/10
Paroo R at Caiwarro *	2.64m steady	08:00 AM SAT 18/12/10
Paroo R at Hungerford	1.53m rising	07:00 AM SAT 18/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 8:56 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels are falling in the Paroo river at Eulo with further rises
and moderate flooding forecast downstream to Hungerford during this week.

Moderate flood levels peaked at Eulo during Friday and are currently easing.

Moderate flooding continues downstream between Caiwarro and Hungerford with
further rises expected to remain below 3.0 metres at Caiwarro.

At 6am Sunday, the Paroo River at Hungerford was 1.55 metres and rising slowly,
which is 0.55 metres above the Paroo River crossing. River levels at Hungerford
will continue to rise through the weekend with a moderate flood peak of around
1.7 metres expected during this week.

Predicted River Heights/Flows:
Hungerford: Peak around 1.7 metres during late Wednesday.

Weather Forecast:
Patchy light rain.

Next Issue:
The next warning will be issued by 10am Monday.

Latest River Heights:

Paroo R at Eulo	3.35m falling	06:00 AM SUN 19/12/10
Paroo R at Caiwarro *	2.77m rising	08:00 AM SUN 19/12/10
Paroo R at Hungerford	1.55m rising slowly	06:00 AM SUN 19/12/10

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* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 7:22 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease on the Paroo River at Eulo, with moderate
flooding approaching a peak downstream at Caiwarro. Moderate flood levels
continue to slowly rise at Hungerford with a moderate flood peak expected later
this week.


At 6am Monday, the Paroo River at Hungerford was 1.57 metres and rising slowly,
which is about 0.57 metres above the level of the Paroo River crossing.

Predicted River Heights/Flows:
Hungerford               Peak around 1.7 metres during late Wednesday.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:
Paroo R at Eulo            2.5m  falling       06:00 AM MON 20/12/10
Paroo R at Caiwarro *      2.85m steady        07:00 AM MON 20/12/10
Paroo R at Hungerford      1.57m rising slowly 06:00 AM MON 20/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
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Queensland

FLOOD WARNING FOR THE PAROO RIVER
Issued at 8:57 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease on the Paroo River at Eulo, with moderate flooding approaching a peak downstream at Caiwarro. Moderate flood levels continue to slowly rise at Hungerford with a moderate flood peak around 1.7 metres expected late Wednesday.

At 6am Tuesday, the Paroo River at Hungerford was 1.59 metres and rising slowly, which is about 0.59 metres above the level of the Paroo River crossing.

Predicted River Heights/Flows:
Hungerford Peak around 1.7 metres late Wednesday.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Paroo R at Caiwarro *	2.83m steady	06:00 AM TUE 21/12/10
Paroo R at Hungerford	1.59m rising slowly	06:00 AM TUE 21/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20850

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PAROO RIVER
Issued at 7:46 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding is easing at Caiwarro. Levels at Hungerford are expected to peak around current levels.

At 6am Wednesday, the Paroo River at Hungerford was 1.62 metres, which is about 0.62 metres above the level of the Paroo River crossing.

Predicted River Heights/Flows:
Hungerford Peak around 1.7 metres late Wednesday.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Paroo R at Caiwarro *	2.42m steady	06:00 AM WED 22/12/10
Paroo R at Hungerford	1.62m rising slowly	06:00 AM WED 22/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(28)"

FLDWARN for the Bulloo River

1 December 2010 to 31 January 2011

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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:39 AM on Wednesday the 1st of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing in the Bulloo River between Quilpie and South
Comongin. River levels are expected to continue falling into the weekend.

Minor flood levels in the lower Bulloo River at Autumnvale are forecast to
continue rising throughout this week with a moderate flood peak of around 6.4
metres expected during the weekend. Downstream at Thargomindah, moderate flood
levels of around 5 metres should be expected into next week.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:
Bulloo R at Quilpie         4.71m falling slowly  06:30 AM WED 01/12/10
Bulloo R at Quilpie *       4.68m falling         08:20 AM WED 01/12/10
Bulloo R at South Comongin 3.80m falling slowly  09:00 AM WED 01/12/10
Bulloo R at Autumnvale *    4.67m steady          08:00 AM WED 01/12/10
Bulloo R at Thargomindah    3.97m falling slowly  06:00 AM WED 01/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 10:24 AM on Thursday the 2nd of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate and minor flooding continues to ease along the Bulloo River between
Quilpie and South Comongin. River levels are expected to continue falling going
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into the weekend.

Minor flooding continues a slow rise on the lower Bulloo River at Autumnvale, with river levels forecast to continue rising throughout this week and reach a moderate flood peak of around 6.4 metres during the weekend. Downstream at Thargomindah, moderate flood levels to around 5 metres should be expected into next week.

Weather Forecast:
Mostly fine, only isolated showers and possible late thunderstorms east of about Windorah.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Bulloo R at Quilpie	4.55m	falling slowly	02:30 PM WED 01/12/10
Bulloo R at Quilpie *	4.18m	falling	08:10 AM THU 02/12/10
Bulloo R at South Comongin	3.8m	falling slowly	09:00 AM THU 02/12/10
Bulloo R at Autumnvale *	4.87m	rising	08:00 AM THU 02/12/10
Bulloo R at Thargomindah	3.86m	falling slowly	06:00 AM THU 02/12/10

* automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:52 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues to ease along the Bulloo River between Quilpie and South Comongin. River levels are expected to continue falling into the weekend.

Minor flooding continues to rise on the lower Bulloo River at Autumnvale, with river levels forecast to continue rising throughout this week and reach a moderate flood peak of around 6.4 metres during the weekend. Downstream at Thargomindah, moderate flood levels to around 5 metres should be expected into next week.

Weather Forecast:
Isolated showers and thunderstorms east of about Ballera.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

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Bulloo R at Quilpie        2.97m falling       08:30 AM FRI 03/12/10
Bulloo R at Quilpie *      3.08m falling       08:20 AM FRI 03/12/10
Bulloo R at South Comongin 3.2m falling fast   08:00 AM FRI 03/12/10
Bulloo R at Autumnvale *   5.15m rising        08:00 AM FRI 03/12/10
Bulloo R at Thargomindah   3.92m rising slowly 06:00 AM FRI 03/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:40 AM on Saturday the 4th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue to rise between Autumnvale and Thargomindah with
moderate flood levels are likely during the weekend.

Bulloo River levels at Thargomindah are expected to reach around 5 metres during
the next few days and remain high throughout next week.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:
Bulloo R at Quilpie *      2.62m steady         08:10 AM SAT 04/12/10
Bulloo R at South Comongin 2.40m falling        09:00 AM SAT 04/12/10
Bulloo R at Autumnvale *   5.39m steady         08:00 AM SAT 04/12/10
Bulloo R at Thargomindah   4.28m rising slowly  06:00 AM SAT 04/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:04 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues a slow rise at Autumnvale. Minor flooding continues
rising slowly downstream at Thargomindah with moderate flood levels expected
during the next 24 to 36 hours.

Bulloo River levels at Thargomindah are expected to reach around 5 metres during
the next few days and remain high throughout next week.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:
Bulloo R at Quilpie *      2.65m falling      08:00 AM SUN 05/12/10
Bulloo R at South Comongin 2m falling slowly  06:00 AM SUN 05/12/10
Bulloo R at Autumnvale *   5.61m steady       08:00 AM SUN 05/12/10
Bulloo R at Thargomindah   4.4m rising slowly 06:00 AM SUN 05/12/10

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:39 AM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue to rise in the Bulloo River between Autumnvale
and Thargomindah.

Bulloo River levels at Thargomindah are expected to reach around 5 metres during
the next few days and remain high during this week.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:
Bulloo R at Quilpie *      2.14m steady        06:00 AM MON 06/12/10
Bulloo R at Autumnvale *   5.85m steady        05:00 AM MON 06/12/10
Bulloo R at Thargomindah   4.50m rising slowly 06:00 AM MON 06/12/10

* from automatic station
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Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:26 AM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue to rise in the Bulloo River between Autumnvale
and Thargomindah, with renewed rises occurring upstream at Quilpie.

Moderate flooding continues to rise slowly at Autumnvale and at Thargomindah. At
6am Tuesday the river level at Thargomindah was about 0.54 metres above the
level of the Bulloo River bridge.

River levels at Thargomindah are expected to reach around 5 metres during the
next few days and remain high during this week.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:
Bulloo R at Quilpie *      2.34m rising        08:00 AM TUE 07/12/10
Bulloo R at Autumnvale *   6.03m steady        08:00 AM TUE 07/12/10
Bulloo R at Thargomindah   4.64m rising slowly 06:00 AM TUE 07/12/10

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 10:15 AM on Wednesday the 8th of December 2010
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by the Bureau of Meteorology, Brisbane.

Heavy rainfall in excess of 120mm has been recorded in the upper Bulloo River at Listowel Downs in the 24 hours to 9am Wednesday. This heavy rainfall is expected to produced river level rises downstream to Quilpie during the next few days. Moderate flood levels continue between Autumnvale and Thargomindah.

River level rises are being recorded at in the Bullo River at Quilpie. At 8am Wednesday the river level at Quilpie was 2.66 metres and rising. Minor flood levels are likely at Quilpie during the next 24 hours with further rises possible.

Moderate flood levels are approaching a peak at Autumnvale and are slowly rising downstream at Thargomindah. At 6am Wednesday the river level at Thargomindah was about 0.7 metres above the level of the Bulloo River bridge.

River levels at Thargomindah are expected to reach around 5 metres during the by the weekend and remain at moderate flood levels during the weekend. Renewed rises are expected into next week as upstream floodwaters arrive.

Weather Forecast:
Scattered showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Bulloo R at Quilpie	2.64m rising	06:30 AM WED 08/12/10
Bulloo R at Quilpie *	2.66m rising	08:00 AM WED 08/12/10
Bulloo R at South Comongin	1.00m falling	09:00 AM WED 08/12/10
Bulloo R at Autumnvale *	6.01m steady	08:00 AM WED 08/12/10
Bulloo R at Thargomindah	4.8m rising slowly	06:00 AM WED 08/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:29 AM on Thursday the 9th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall is expected to produced river level rises downstream to Quilpie during the next few days. Moderate flood levels continue between Autumnvale and Thargomindah.

River level rises are likely in the Bullo River at Quilpie during the next few

days following recent rainfall. At 8:20am Thursday the Bulloo River level at Quilpie was 2.32 metres and falling.

Moderate flood levels have peaked at Autumnvale and are slowly rising downstream at Thargomindah. At 9am Thursday the river level at Thargomindah was about 0.78 metres above the level of the Bulloo River bridge.

River levels at Thargomindah are expected to peak around 5 metres during Thursday before easing throughout the weekend. Renewed rises are expected next week as upstream floodwaters arrive.

Predicted River Heights/Flows:
Bulloo River at:

Thargomindah Peak around 5 metres during Thursday.

Weather Forecast:
Scattered showers and thunderstorms, increasing to rain areas later in the day with moderate to heavy falls developing.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Bulloo R at Quilpie *	2.32m falling	08:20 AM THU 09/12/10
Bulloo R at Autumnvale *	5.82m falling	08:20 AM THU 09/12/10
Bulloo R at Thargomindah	4.88m rising slowly	09:00 AM THU 09/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 10:12 AM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall is expected to produced river level rises downstream to Quilpie during the next few days. Minor to moderate flood levels continue between Autumnvale and Thargomindah.

River level rises are being recorded in the Bulloo River at Adavale causing minor flooding, with rises to continue into the weekend. Some small rises are being recorded in the Bullo River at Quilpie, where at 8am Friday the river level at Quilpie was 2.16 metres and rising. Rises will continue into the weekend.

Moderate flood levels are easing between Autumnvale and Thargomindah with renewed rises expected next week as upstream floodwaters arrive. At 6am Friday the river level at Thargomindah was about 0.72 metres above the level of the Bulloo River bridge.

Weather Forecast:
Scattered showers and thunderstorms tending to rain at times. Moderate to heavy falls possible in the east.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Blackwater Ck at Adavale	3.40m	rising	09:00 AM FRI 10/12/10
Bulloo R at Quilpie *	2.16m	steady	08:00 AM FRI 10/12/10
Bulloo R at South Comongin	1.80m	rising slowly	09:00 AM FRI 10/12/10
Bulloo R at Autumnvale *	5.38m	falling	08:00 AM FRI 10/12/10
Bulloo R at Thargomindah	4.82m	falling slowly	06:00 AM FRI 10/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:38 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall is expected to produced river level rises downstream to Quilpie during the next few days. Minor to moderate flood levels continue between Autumnvale and Thargomindah.

Minor flooding is easing in the Bulloo River at Adavale. Some small rises are being recorded in the Bulloo River at Quilpie, where at 8:10am Saturday the river level was 2.72 metres and rising. Rises will continue during the weekend.

Minor to moderate flood levels are easing between Autumnvale and Thargomindah with renewed rises expected next week as upstream floodwaters arrive. At 6am Saturday the river level at Thargomindah was about 0.51 metres above the level of the Bulloo River Bridge.

Weather Forecast:
Isolated showers.

Next Issue:
The next warning will be issued at about 10am Sunday.

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Latest River Heights:
Blackwater Ck at Adavale   3.50m falling slowly  09:00 AM SAT 11/12/10
Bulloo R at Quilpie *      2.72m steady          08:10 AM SAT 11/12/10
Bulloo R at Autumnvale *   4.80m falling         08:00 AM SAT 11/12/10
Bulloo R at Thargomindah   4.61m falling slowly  06:00 AM SAT 11/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:52 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Recent rainfall is expected to produce river level rises downstream to Quilpie.
Minor flood levels continue between Autumnvale and Thargomindah with renewed
rises to moderate flood levels possible during this week.

Minor flooding is easing in the Bulloo River at Adavale. Minor flooding is
occurring on the Bulloo River at Quilpie with further rises to moderate flood
levels forecast during the next few days. At 8:10am Sunday the river level was
3.47 metres and rising.


Minor flood levels continue between Autumnvale and Thargomindah with renewed
rises expected this week as upstream floodwaters arrive. At 6am Sunday the river
level at Thargomindah was 4.33 metres, which was about 0.23 metres above the
level of the Bulloo River Bridge.

Weather Forecast:
Dry.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:
Blackwater Ck at Adavale   3.3m falling slowly  03:00 PM SAT 11/12/10
Bulloo R at Quilpie        3.45m rising         06:00 AM SUN 12/12/10
Bulloo R at Quilpie *      3.47m rising         08:10 AM SUN 12/12/10
Bulloo R at South Comongin 1.8m rising          12:00 PM SAT 11/12/10
Bulloo R at Autumnvale *   5.01m steady         08:00 AM SUN 12/12/10
Bulloo R at Thargomindah   4.33m falling slowly 06:00 AM SUN 12/12/10

* automatic station.
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Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 7:38 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Rainfall recorded late last week is producing river level rises and minor to moderate flooding between Quilpie and Thargomindah. Moderate flood levels are possible between Autumnvale and Thargomindah during this week.

Moderate flood levels continue to rise on the Bulloo River at Quilpie with further rises above the major flood level of 5 metres are possible during the next few days. At 6:20am Monday the river level was 4.49 metres and rising.

Minor flood levels are rising between Autumnvale and Thargomindah with moderate flood levels possible during this week. At 6am Monday the river level at Thargomindah was 4.28 metres, which was about 0.18 metres above the level of the Bulloo River Bridge.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:

Bulloo R at Quilpie *	4.49m	rising	06:20 AM MON 13/12/10
Bulloo R at Autumnvale *	5.32m	steady	05:30 AM MON 13/12/10
Bulloo R at Thargomindah	4.28m	rising slowly	06:00 AM MON 13/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:03 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue at Quilpie. Moderate flood levels should be expected downstream at South Comongin, Autumnvale and Thargomindah during the next 7 days.

Major flood levels are steady at Quilpie. At 6am Tuesday, the level was 5.2 metres. Levels are expected to fall during Tuesday. Moderate flood levels of around 4.2 metres should be expected at South Comongin late today.

Minor flood levels are rising between Autumnvale and Thargomindah with moderate flood levels forecast of around 6 metres during the weekend at Autumnvale. At Thargomindah, river levels of just above 5 metres should be expected early next week. At 6am Tuesday, the river level at Thargomindah was 4.4 metres, which was about 0.33 metres above the level of the Bulloo River Bridge.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Bulloo R at Quilpie	5.15m steady	06:00 AM TUE 14/12/10
Bulloo R at Quilpie *	5.21m steady	05:20 AM TUE 14/12/10
Bulloo R at Autumnvale *	5.48m rising	11:00 PM MON 13/12/10
Bulloo R at Thargomindah	4.43m rising slowly	06:00 AM TUE 14/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:57 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels should be expected at Autumnvale and Thargomindah during the week. Levels are expected to continue to fall at Quilpie.

Moderate flood levels are falling at Quilpie. At 8am Wednesday, the level was 4.9 metres. Levels are expected to continue to fall during Wednesday.

Minor flood levels are rising between Autumnvale and Thargomindah with moderate flood levels forecast of around 6 metres during the weekend at Autumnvale. At Thargomindah, river levels of just above 5 metres should be expected early next week. At 6am Wednesday, the river level at Thargomindah was 4.54 metres, which was about 0.4 metres above the level of the Bulloo River Bridge.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Blackwater Ck at Adavale	2.4m rising slowly	09:00 AM TUE 14/12/10
Bulloo R at Quilpie	4.9m falling	06:30 AM WED 15/12/10
Bulloo R at Quilpie *	4.88m steady	08:00 AM WED 15/12/10
Bulloo R at Autumnvale *	5.3m steady	08:00 AM WED 15/12/10
Bulloo R at Thargomindah	4.54m rising slowly	06:00 AM WED 15/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 7:29 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels should be expected at Autumnvale and Thargomindah during the weekend and into next week. Levels are expected to continue to fall at Quilpie.

Moderate flood levels are falling at Quilpie. At 6am Thursday, the level was 4.5 metres. Levels are expected to continue to fall during Thursday.

Minor flood levels are rising between Autumnvale and Thargomindah with moderate flood levels forecast of around 6 metres during the weekend at Autumnvale. At Thargomindah, river levels of just above 5 metres should be expected early next week. At 6am Thursday, the river level at Thargomindah was 4.57 metres, which was about 0.5 metres above the level of the Bulloo River Bridge.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Bulloo R at Quilpie	4.5m falling	06:30 AM THU 16/12/10
Bulloo R at Quilpie *	4.51m falling	06:10 AM THU 16/12/10
Bulloo R at Autumnvale *	5.23m steady	05:00 AM THU 16/12/10
Bulloo R at Thargomindah	4.57m steady	06:00 AM THU 16/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 7:44 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels should be expected at Autumnvale and Thargomindah during the weekend and into next week. Levels are expected to continue to fall at Quilpie.

Minor flood levels are falling at Quilpie. At 6am Friday, the level was 3.9 metres. Levels are expected to continue to fall.

Minor flood levels continue at Autumnvale with moderate flood levels forecast of around 6 metres during the weekend. At Thargomindah, river levels of just above 5 metres should be expected early next week. At 6am Friday, the river level at Thargomindah was 4.54 metres, which was about 0.45 metres above the level of the Bulloo River Bridge.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Bulloo R at Quilpie *	3.88m	falling	06:10 AM FRI 17/12/10
Bulloo R at Autumnvale *	5.27m	steady	05:00 AM FRI 17/12/10
Bulloo R at Thargomindah	4.54m	steady	06:00 AM FRI 17/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:30 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels at Quilpie have now fallen below minor. Minor flooding continues along the Bulloo River from Autumnvale to Thargomindah with further rises and moderate flooding expected during the weekend and into next week.

Minor flood levels continue at Autumnvale with moderate flood levels forecast to around 6 metres during the weekend.

At Thargomindah, river levels have fallen slowly in the past 24 hours but are expected to rise again to levels of just above 5 metres early next week. At 6am Saturday, the river level at Thargomindah was 4.45 metres, which was about 0.35 metres above the level of the Bulloo River Bridge.

Weather Forecast:
Patchy light rain.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Bulloo R at Quilpie *	2.72m steady	06:10 AM SAT 18/12/10
Bulloo R at Autumnvale *	5.3m steady	05:00 AM SAT 18/12/10
Bulloo R at Thargomindah	4.45m falling slowly	06:00 AM SAT 18/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:56 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flooding continues along the Bulloo River between Autumnvale and Thargomindah with further rises and moderate flooding expected early this week.

Minor flooding continues at Autumnvale with a moderate flood peak to around 6 metres forecast for early this week.

At Thargomindah, river levels have fallen slowly in the past 24 hours but are expected to rise again to levels of just above 5 metres early this week. At 6am Sunday, the river level at Thargomindah was 4.45 metres, which was about 0.35 metres above the level of the Bulloo River Bridge.

Predicted River Heights/Flows:

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Thargomindah:                  Rise to just above 5.0 metres this week.

Weather Forecast:
Patchy light rain.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:
Bulloo R at Quilpie *      1.68m steady  08:00 AM SUN 19/12/10
Bulloo R at Autumnvale *   5.45m rising  08:10 AM SUN 19/12/10
Bulloo R at Thargomindah   4.45m steady  06:00 AM SUN 19/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 7:50 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues along the Bulloo River between Autumnvale
and Thargomindah, with a moderate flood peak expected at Thargomindah early this
week.

Moderate flooding continues a slow rise on the Bulloo River at Autumnvale.
River levels at Thargomindah are expected to exceed the moderate flood level of
4.5 metres during Monday, with further rises expected to reach around 5 metres
during this week. At 6am Monday, the river level at Thargomindah was 4.48 metres
with minor flooding, which was about 0.38 metres above the level of the Bulloo
River Bridge.

Predicted River Heights/Flows:
Thargomindah                  Peak to around 5.0 metres this week.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:
Bulloo R at Quilpie *      1.53m steady        06:00 AM MON 20/12/10
Bulloo R at South Comongin NA
Bulloo R at Autumnvale *   5.61m rising slowly 05:40 AM MON 20/12/10
Bulloo R at Thargomindah   4.48m rising slowly 06:00 AM MON 20/12/10
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* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:56 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding continues along the Bulloo River between Autumnvale and
Thargomindah, with a moderate flood peak up to 5 metres expected at Thargomindah
during this week.

Moderate flooding continues a slow rise on the Bulloo River at Autumnvale. At
6am Tuesday, the river level at Thargomindah was 4.55 metres with moderate
flooding, which was about 0.45 metres above the level of the Bulloo River
Bridge.

Predicted River Heights/Flows:
Thargomindah           Peak up to 5.0 metres during this week.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:
Bulloo R at Quilpie *      1.46m steady        06:00 AM TUE 21/12/10
Bulloo R at Autumnvale *   5.80m steady        05:00 AM TUE 21/12/10
Bulloo R at Thargomindah   4.55m rising slowly 06:00 AM TUE 21/12/10

* from automatic station


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland
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FLOOD WARNING FOR THE BULLOO RIVER
Issued at 8:34 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding remains near a peak on the Bulloo River at Autumnvale, with a moderate flood peak up to 5 metres expected at Thargomindah during this week.

Moderate flooding is slowly approaching a peak on the Bulloo River at Autumnvale, with moderate flooding slowly rising downstream at Thargomindah. At 6am Tuesday, the river level at Thargomindah was 4.63 metres, which is about 0.62 metres above the level of the Bulloo River Bridge.

Predicted River Heights/Flows:
Thargomindah Peak up to 5.0 metres during this week.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Bulloo R at Quilpie *	1.42m steady	06:00 AM WED 22/12/10
Bulloo R at Autumnvale *	5.92m steady	07:00 AM WED 22/12/10
Bulloo R at Thargomindah	4.63m rising slowly	06:00 AM WED 22/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BULLOO RIVER
Issued at 6:50 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing on the Bulloo River at Autumnvale, with a moderate flood peak up to 5 metres expected at Thargomindah during Thursday.

Moderate flooding is easing on the Bulloo River at Autumnvale, following a peak of 5.92 metres recorded at 9am Wednesday.

Moderate flooding continues to slowly rise downstream at Thargomindah, where at 6am Thursday the river level was 4.75 metres and about 0.65 metres above the level of the Bulloo River Bridge.

Predicted River Heights/Flows:

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Thargomindah            Moderate flood peak up to 5.0 metres during Thursday.

Weather Forecast:
Mostly fine, only isolated showers and thunderstorms in the far northeast.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:
Bulloo R at Quilpie *      1.43m steady        05:00 AM THU 23/12/10
Bulloo R at Autumnvale *   5.75m falling       05:20 AM THU 23/12/10
Bulloo R at Thargomindah   4.75m rising slowly 06:00 AM THU 23/12/10

* denotes automatic station.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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 TO::BOM624

IDQ20855

Australian Government Bureau of Meteorology
Queensland


FINAL FLOOD WARNING FOR THE BULLOO RIVER
Issued at 9:03 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels have eased below minor on the Bulloo River at Autumnvale, with
moderate flooding easing slowly at Thargomindah. As further rainfall is forecast
for the district, the situation will continue to be monitored.

Moderate flooding has commenced to ease on the Bulloo River at Thargomindah
following a moderate flood peak of 4.78 metres recorded at about 6pm Thursday.
At 6am Friday the river level was 4.75 metres and falling, which was about 0.65
metres above the level of the Bulloo River Bridge.

Weather Forecast:
Isolated showers and thunderstorms in northern and eastern parts. Remaining fine
in the southwest.

Next Issue:
This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:
Bulloo R at Quilpie *      1.38m steady         08:00 AM FRI 24/12/10
Bulloo R at Autumnvale *   4.05m falling        08:20 AM FRI 24/12/10
Bulloo R at Thargomindah   4.75m falling slowly 06:00 AM FRI 24/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(29)"

FLDWARN for the Thomson Barcoo Cooper

1 December 2010 to 31 January 2011

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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:48 AM on Wednesday the 1st of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Barcoo River between Isisford and Retreat.
Moderate flooding is occurring at Stonehenge and Jundah along the Thomson River.
Windorah should expect Cooper Creek levels to reach around 5.5 metres into the
weekend.

THOMSON RIVER

At Camoola Park, minor flood levels continue. Further rises are possible. River
levels at Longreach may reach around the minor flood level of 3 metres during
Thursday.

Moderate flood levels are occurring at Stonehenge West. At Jundah, moderate
flood levels will continue for the rest of this week.

BARCOO RIVER

Minor flooding at Blackall is expected to continue until at least Thursday
before receding.

Flood levels are falling between Coolagh and Wahroongha. Major flood levels are
occurring between Isisford and Retreat. A peak of around 6.4 metres is expected
today at Glenlock.

Major flood levels at Retreat are forecast to reach around 9.5 metres. This is
around 8.5 metres on the Retreat manual gauge.

COOPER CREEK

Creek levels will stay high this week as Barcoo and Thomson River flood waters
converge with major flood levels continuing. A peak of around 5.5 metres is
expected on Friday or Saturday.

Predicted River Heights/Flows:
Windorah: - 5.5 metres on Friday or Saturday.

Next Issue:
The next warning will be issued by 10am Thursday.

Latest River Heights:
Cornish Ck at Bowen Downs *       2.88m rising        08:00 AM WED 01/12/10
Thomson R at Camoola Park         2.7m falling slowly 06:00 AM WED 01/12/10
Thomson R at Longreach auto *     2.13m steady        08:00 AM WED 01/12/10
Darr R at Darr Auto *             2.37m steady        08:00 AM WED 01/12/10
Thomson R Stonehenge (West) Auto* 4.3m steady         08:00 AM WED 01/12/10
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Thomson R at Jundah	4.1m steady	06:30 AM WED 01/12/10
Barcoo R at Gillespie	4.15m steady	06:00 AM WED 01/12/10
Barcoo R at Blackall *	3.71m falling	08:00 AM WED 01/12/10
Barcoo R at Coolagh	5.85m steady	05:29 AM WED 01/12/10
Alice R at Barcaldine Weir Auto*	0.65m steady	08:00 AM WED 01/12/10
Barcoo R at Isisford	6.61m falling	06:00 AM WED 01/12/10
Barcoo R at Oma	6.34m falling	06:00 AM WED 01/12/10
Barcoo R at Wahroongha	5.5m falling	06:00 AM WED 01/12/10
Barcoo R at Glenlock	6.25m rising slowly	05:30 AM WED 01/12/10
Barcoo R at Retreat Auto *	8.15m rising	08:00 AM WED 01/12/10
Cooper Ck at Windorah	5.15m rising slowly	06:00 AM WED 01/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
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public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:53 AM on Thursday the 2nd of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Barcoo River between Isisford and Retreat.
Moderate flooding continues along the Thomson River between Stonehenge and
Jundah. Major flooding continues along the Cooper Creek at Windorah, with flood
levels to reach around 5.5 metres during the weekend.

THOMSON RIVER

Minor flooding continues at Camoola Park. River levels are rising downstream at
Longreach which may reach the minor flood level of 3 metres during the next 24
to 48 hours.

Moderate flooding continues at Stonehenge West and at Jundah, with river levels
to remain high for the remainder of the week.

BARCOO RIVER

Minor flooding is easing at Blackall. Moderate to major flood levels are also
easing between Coolagh and Wahroongha, with a major flood peak currently in the
Glenlock area. Major flooding continues to rise downstream at Retreat where
river levels are expected to peak around midnight Thursday. At 8am Thursday, the
river level at Retreat was 9.44 metres and rising.

COOPER CREEK

Creek levels will remain high during this week as Barcoo and Thomson River flood
waters converge at Windorah causing major flooding. At 6am Thursday the creek

level was at 5.25 metres with major flooding rising slowly.

Predicted River Heights/Flows:
Cooper Creek at:
Windorah 5.5 metres during the weekend.

Next Issue:
The next warning will be issued by 10am Friday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.92m steady	08:00 AM THU 02/12/10
Thomson R at Camoola Park	2.6m falling slowly	06:00 AM THU 02/12/10
Thomson R at Longreach auto *	2.38m rising	08:00 AM THU 02/12/10
Darr R at Darr Auto *	2.33m steady	08:00 AM THU 02/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	4.33m steady	08:00 AM THU 02/12/10
Thomson R Stonehenge (East)	2.95m steady	07:00 AM THU 02/12/10
Thomson R at Jundah	4.15m steady	07:00 AM THU 02/12/10
Barcoo R at Blackall *	3.43m steady	08:00 AM THU 02/12/10
Barcoo R at Coolagh	5.25m falling	06:30 AM THU 02/12/10
Alice R at Barcaldine Weir Auto*	0.58m steady	08:00 AM THU 02/12/10
Barcoo R at Isisford	6.34m falling slowly	06:00 AM THU 02/12/10
Barcoo R at Oma	6.02m falling slowly	06:00 AM THU 02/12/10
Barcoo R at Wahroongha	NA	
Barcoo R at Glenlock	6.45m rising slowly	04:00 AM THU 02/12/10
Barcoo R at Retreat Auto *	9.44m rising	08:00 AM THU 02/12/10
Cooper Ck at Windorah	5.25m rising slowly	06:00 AM THU 02/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:49 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Major flood levels continue along the Barcoo River between Glenlock and Retreat, with the flood peak currently in the Retreat area. Moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding rising on the Cooper Creek at Windorah, with flood levels to reach around 5.5 to 6.0 metres during the weekend.

Further heavy rainfall has been recorded in the upper reaches of the Thomson and Barcoo River catchments. The heaviest 24hr rainfall totals recorded to 9am Friday include Torrens Creek 42mm, Coolagh 63mm, Eastmere 50mm, Duneira 45mm, Blackall 41mm, Barcaldine Weir 32mm, and generally less than 5mm to areas north

of Windorah.

THOMSON RIVER

Minor flooding continues at Camoola Park, with river levels slowly rising downstream at Longreach but remaining below minor flood level.

Moderate flooding continues at Stonehenge West and at Jundah, with river levels to remain high for the remainder of the week.

BARCOO RIVER

Renewed stream rises are expected across the upper reaches of the Barcoo and Alice Rivers following heavy rainfall recorded during Thursday. Minor flooding continues to ease at Blackall and at Coolagh.

Moderate to major flood levels are also easing between Isisford and Glenlock, with a major flood peak currently in the Retreat area. At 8am Friday, the river level at Retreat was 10.05 metres and continuing to rise very slowly as river levels near a peak during Friday.

COOPER CREEK

Major flooding is rising at Windorah as Barcoo and Thomson River flood waters converge at Windorah causing major flooding. At 6am Friday the creek level was at 5.4 metres and rising.

Predicted River Heights/Flows:
Cooper Creek at:

Windorah 5.5 to 6.0 metres during the weekend.

Weather Forecast:
Scattered showers and isolated thunderstorms tending to rain at times east of about Longreach, with moderate to heavy falls possible. Isolated showers and afternoon thunderstorms in the west.

Next Issue:
The next warning will be issued by 10am Saturday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.77m steady	08:00 AM FRI 03/12/10
Thomson R at Camoola Park	2.45m falling slowly	06:00 AM FRI 03/12/10
Thomson R at Longreach auto *	2.66m steady	08:00 AM FRI 03/12/10
Darr R at Darr Auto *	2.3m steady	08:00 AM FRI 03/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	4.22m steady	08:00 AM FRI 03/12/10
Thomson R Stonehenge (East)	NA	
Thomson R at Jundah	4.25m rising slowly	07:00 AM FRI 03/12/10
Barcoo R at Blackall *	3.14m falling	08:00 AM FRI 03/12/10
Barcoo R at Coolagh	4.9m falling	06:30 AM FRI 03/12/10
Alice R at Barcaldine Weir Auto*	0.45m steady	08:00 AM FRI 03/12/10
Barcoo R at Isisford	5.95m falling slowly	06:00 AM FRI 03/12/10
Barcoo R at Oma	5.74m falling slowly	06:00 AM FRI 03/12/10
Barcoo R at Wahroongha	NA	
Barcoo R at Glenlock	6.3m falling slowly	05:30 AM FRI 03/12/10
Barcoo R at Retreat Auto *	10.05m rising slowly	08:00 AM FRI 03/12/10

Cooper Ck at Windorah 5.4m rising 06:00 AM FRI 03/12/10

* denotes automatic station.

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public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 10:29 AM on Saturday the 4th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flood levels continue in the Barcoo River between Isisford and Retreat. Moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding is rising on the Cooper Creek at Windorah, with flood levels forecast to reach around 5.7 to 6.0 metres during the weekend.

Rainfall has generally eased throughout the Thomson and Barcoo Rivers and Cooper Creek catchment however there was a localised total of 35mm recorded at Isisford in the 24 hours 9am Saturday.

THOMSON RIVER

Minor flooding continues at Camoola Park, with river levels slowly rising downstream at Longreach and will remain below minor flood level. Moderate flooding continues at Stonehenge West and at Jundah, with river levels to remain high into next week.

BARCOO RIVER

Small renewed rises causing minor flooding are being recorded at Coolagh. Rises are not expected to reach the moderate flood level of 5 metres at Coolagh.

Moderate to major flood levels are easing between Isisford and Glenlock. A major flood peak of 10.13 metres was recorded at Retreat during Friday evening with river levels currently steady. River levels at Retreat are expected to begin receding during Saturday afternoon.

COOPER CREEK

Major flooding is rising at Windorah as Barcoo and Thomson River flood waters converge causing major flooding. At 6am Saturday the creek level was at 5.52 metres and rising.

Predicted River Heights/Flows:
Cooper Creek at:

Windorah 5.7 to 6.0 metres during the weekend.

Next Issue:
The next warning will be issued by 10am Sunday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.79m	steady	08:00 AM SAT 04/12/10
Thomson R at Camoola Park	2.35m	falling slowly	06:00 AM SAT 04/12/10
Thomson R at Longreach auto *	2.73m	steady	08:00 AM SAT 04/12/10
Darr R at Darr Auto *	2.28m	steady	08:00 AM SAT 04/12/10
Thomson R Stonehenge (West) Auto*	4.08m	steady	04:00 AM SAT 04/12/10
Thomson R at Jundah	4.25m	steady	03:00 PM FRI 03/12/10
Barcoo R at Blackall *	2.87m	falling	08:00 AM SAT 04/12/10
Barcoo R at Coolagh	4.75m	rising slowly	09:00 AM SAT 04/12/10
Alice R at Barcaldine Weir Auto*	0.37m	steady	08:00 AM SAT 04/12/10
Barcoo R at Isisford	5.71m	falling slowly	06:00 AM SAT 04/12/10
Barcoo R at Oma	5.48m	falling slowly	06:00 AM SAT 04/12/10
Barcoo R at Glenlock	5.90m	falling slowly	05:30 AM SAT 04/12/10
Barcoo R at Retreat Auto *	10.03m	steady	08:00 AM SAT 04/12/10
Cooper Ck at Windorah	5.52m	rising	06:00 AM SAT 04/12/10

* from automatic station

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public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:44 AM on Sunday the 5th of December 2010
by the Bureau of Meteorology, Brisbane.

Renewed rises and moderate flooding is occurring on the Barcoo River at Coolagh.
Moderate to major flood waters continue to ease downstream between Isisford and
Retreat, with small renewed rises expected during this week. Moderate flooding
continues to ease along the Thomson River between Stonehenge and Jundah.

Major flooding is rising on the Cooper Creek at Windorah, with flood levels
forecast to reach around 5.7 to 6.0 metres during Monday.

THOMSON RIVER

Minor flooding continues to ease at Camoola Park. River levels are easing
downstream at Longreach, and will remain below minor flood level. Minor to
moderate flooding is easing at Stonehenge West and at Jundah, with river levels
to remain high into next week.

BARCOO RIVER

Renewed rises and moderate flooding is occurring at Coolagh, which will cause some small renewed rises along the lower Barcoo River during this week.

Moderate to major flood levels are currently easing between Isisford and Retreat. At 8am Sunday the river level at Retreat was 9.44 metres and easing, which is about 7.24 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding is rising at Windorah as Barcoo and Thomson River flood waters converge. At 6am Sunday the creek level was at 5.62 metres and rising slowly.

River levels downstream at Durham Downs are expected to be experiencing minor flooding, with higher levels and moderate flooding expected later this week.

Predicted River Heights/Flows:
Cooper Creek at:

Windorah 5.7 to 6.0 metres during Monday afternoon.

Next Issue:
The next warning will be issued by 10am Monday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.55m falling	08:00 AM SUN 05/12/10
Thomson R at Camoola Park	2.3m falling slowly	04:00 PM SAT 04/12/10
Thomson R at Longreach auto *	2.63m steady	08:00 AM SUN 05/12/10
Darr R at Darr Auto *	2.26m steady	08:00 AM SUN 05/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.93m steady	08:00 AM SUN 05/12/10
Thomson R at Jundah	4.15m falling slowly	07:00 AM SUN 05/12/10
Barcoo R at Blackall *	2.44m rising	08:00 AM SUN 05/12/10
Barcoo R at Coolagh	5.2m rising	08:00 AM SUN 05/12/10
Alice R at Barcaldine Weir Auto*	0.35m steady	08:00 AM SUN 05/12/10
Barcoo R at Isisford	5.47m falling slowly	06:00 AM SUN 05/12/10
Barcoo R at Oma	5.31m falling slowly	06:00 PM SAT 04/12/10
Barcoo R at Wahroongha	NA	
Barcoo R at Glenlock	5.5m falling slowly	05:30 AM SUN 05/12/10
Barcoo R at Retreat Auto *	9.44m falling	08:00 AM SUN 05/12/10
Cooper Ck at Windorah	5.62m rising slowly	06:00 AM SUN 05/12/10
Cooper Ck at Durham Downs	NA	
Cooper Ck at Nappa Merrie Auto*	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:44 AM on Monday the 6th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring along the Barcoo River, with major flooding easing at Retreat. Minor to moderate flooding continues along the Thomson River between Stonehenge and Jundah. Major flooding is nearing a peak on the Cooper Creek at Windorah.

THOMSON RIVER

Minor flooding continues to slowly ease at Camoola Park, with below minor river levels also easing downstream at Longreach. Minor to moderate flooding continues between Stonehenge and Jundah, with river levels to remain high during this week.

BARCOO RIVER

Minor to moderate flooding continues along the lower Barcoo River, and major flooding easing at Retreat. Renewed rises and moderate flooding is occurring between Isisford and Oma, with small river rises to propagate along the lower Barcoo River during this week. At 8am Monday the river level at Retreat was 8.43 metres and easing with major flooding, which is about 6.23 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding is nearing a peak during Monday at Windorah as Barcoo and Thomson River flood waters converge. At 6am Monday the creek level was at 5.67 metres and rising very slowly.

Minor to moderate flooding is expected to affect townships downstream from Windorah during the next few weeks.

Weather Forecast:
Mostly fine west of about Longreach with high cloud developing and a possible thunderstorm.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.58m steady	08:00 AM MON 06/12/10
Thomson R at Camoola Park	NA	
Thomson R at Longreach auto *	2.43m steady	08:00 AM MON 06/12/10
Darr R at Darr Auto *	2.24m steady	08:00 AM MON 06/12/10
Thomson R Stonehenge (West) Auto*	3.77m steady	08:00 AM MON 06/12/10
Thomson R at Jundah	NA	
Barcoo R at Blackall *	2.5m falling	08:00 AM MON 06/12/10
Barcoo R at Coolagh	4.5m falling slowly	06:00 AM MON 06/12/10
Alice R at Barcaldine Weir Auto*	0.38m steady	08:00 AM MON 06/12/10
Barcoo R at Isisford	5.93m rising	06:00 AM MON 06/12/10
Barcoo R at Oma	5.31m rising	06:00 AM MON 06/12/10
Barcoo R at Wahroongha	3.8m falling slowly	06:00 AM MON 06/12/10
Barcoo R at Glenlock	5.25m falling slowly	05:30 AM MON 06/12/10
Barcoo R at Retreat Auto *	8.43m falling	08:00 AM MON 06/12/10
Cooper Ck at Windorah	5.67m rising slowly	06:00 AM MON 06/12/10

* denotes automatic station.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:06 AM on Tuesday the 7th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flood levels are falling along the Barcoo River, with major flooding easing at Retreat. Minor flood levels continue to fall along the Thomson River between Stonehenge and Jundah. Major flooding peaked on Monday at Windorah.

BARCOO RIVER

Moderate flooding continues along the lower Barcoo River from Isisford to Glenlock. Some renewed rises are occurring but levels will fall through the week. Major flooding is easing at Retreat and will continue to do so. At 8am Tuesday the river level at Retreat was 7.38 metres and easing with major flooding. This is 5.2 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding peaked during Monday at Windorah. Levels are expected to fall slowly. At 6am Tuesday, the creek level was 5.62 metres.

Minor to moderate flooding is expected to affect areas to Durham Downs during the next 2 weeks.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.33m steady	08:00 AM TUE 07/12/10
Thomson R at Longreach auto *	2.16m falling	08:00 AM TUE 07/12/10
Darr R at Darr Auto *	2.23m steady	08:00 AM TUE 07/12/10
Thomson R Stonehenge (West) Auto*	3.58m falling	04:00 AM TUE 07/12/10
Thomson R at Jundah	3.8m falling slowly	06:00 AM TUE 07/12/10
Barcoo R at Blackall *	2.05m falling	08:00 AM TUE 07/12/10
Barcoo R at Coolagh	4m falling	06:00 PM MON 06/12/10
Alice R at Barcaldine Weir Auto*	0.44m steady	08:00 AM TUE 07/12/10
Barcoo R at Isisford	5.57m falling slowly	06:00 AM TUE 07/12/10
Barcoo R at Oma	5.42m steady	06:00 AM TUE 07/12/10
Barcoo R at Wahroongha	4m rising	06:00 AM TUE 07/12/10
Barcoo R at Glenlock	5.05m falling slowly	05:30 AM TUE 07/12/10
Barcoo R at Retreat Auto *	7.38m falling	08:00 AM TUE 07/12/10
Cooper Ck at Windorah	5.62m falling slowly	06:00 AM TUE 07/12/10

*automatic station

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:07 AM on Wednesday the 8th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are rising in the Blackall area as a result of overnight rainfall. Minor flood levels are falling along the Barcoo River, with major flooding easing at Retreat. Minor flood levels continue to fall along the Thomson River between Stonehenge and Jundah. Major flooding peaked on Monday in the Cooper Creek at Windorah and is continuing to ease slowly.

Recent rainfall recorded in the Bowen Downs area is not expected at this stage to produce any significant rises in the Thomson River at Longreach, however further rainfall is forecast for the area later in the week.

BARCOO RIVER

Rainfall of up to 128mm has been recorded in the 24 hours to 9am Wednesday in the Blackall area. This rainfall is producing river level rises and minor flooding at Blackall. Further rises are likely during Wednesday however river levels are not expected to exceed the moderate flood level of 4.9 metres.

Minor flooding continues along the lower Barcoo River from Isisford to Glenlock. Major flooding is easing at Retreat and will continue to do for the next few days. At 8am Wednesday the river level at Retreat was 6.47 metres and easing with major flooding, which is about 4.47 metres above the level of the Barcoo River causeway. Further rises are likely between Isisford and the Retreat area during the weekend and into next week as floodwaters from the Blackall area travel downstream.

COOPER CREEK

Major flooding in the Cooper Creek at Windorah continues to ease, where at 6am Wednesday the creek level was 5.5 metres.

Minor to moderate flooding is expected to affect areas to Durham Downs during the next 2 weeks.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.43m falling	08:00 AM WED 08/12/10
Thomson R at Longreach auto *	1.93m steady	08:00 AM WED 08/12/10

Darr R at Darr Auto *	2.23m	steady	08:00 AM WED 08/12/10
Thomson R Stonehenge (West) Auto*	3.26m	falling	08:00 AM WED 08/12/10
Thomson R at Jundah	3.55m	falling slowly	06:00 AM WED 08/12/10
Barcoo R at Blackall *	3.44m	rising	08:00 AM WED 08/12/10
Alice R at Barcaldine Weir Auto*	0.44m	steady	08:00 AM WED 08/12/10
Barcoo R at Isisford	4.69m	falling	06:00 AM WED 08/12/10
Barcoo R at Oma	4.75m	falling	06:00 AM WED 08/12/10
Barcoo R at Wahroongha	3.95m	falling slowly	06:00 AM WED 08/12/10
Barcoo R at Glenlock	4.85m	falling slowly	05:30 AM WED 08/12/10
Barcoo R at Retreat Auto *	6.47m	falling	08:00 AM WED 08/12/10
Cooper Ck at Windorah	5.5m	falling slowly	06:00 AM WED 08/12/10

* from automatic station

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public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:00 AM on Thursday the 9th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are easing along the Barcoo River between Blackall and Glenlock, with major flooding easing at Retreat. Minor flood levels continue to fall along the Thomson River between Stonehenge and Jundah. Major flooding peaked on Monday in the Cooper Creek at Windorah and is continuing to ease slowly.

BARCOO RIVER

Recent rainfall has produced river level rises and minor flooding at Blackall. A minor flood peak was recorded at Blackall during Wednesday and at 8am Thursday the Barcoo River level was 3.11 metres and falling.

Minor flooding continues along the lower Barcoo River between Wahroongha to Glenlock. Major flooding is easing at Retreat and will continue to do for the next few days. At 8am Thursday the river level at Retreat was 5.82 metres and easing with major flooding, which is about 3.82 metres above the level of the Barcoo River causeway. Further rises are possible between Isisford and the Retreat area during the weekend and into next week as floodwaters from the Blackall area travel downstream.

COOPER CREEK

Major flooding in the Cooper Creek at Windorah continues to ease, where at 6am Thursday the creek level was 5.32 metres.

Minor to moderate flooding is expected to affect areas downstream to Durham Downs during the next 2 weeks.

Weather Forecast:
Scattered showers and thunderstorms, tending to rain areas in southwest parts, with possible moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.09m	falling	08:00 AM THU 09/12/10
Thomson R at Camoola Park	2.25m	rising slowly	06:00 PM WED 08/12/10
Thomson R at Longreach auto *	1.92m	steady	08:00 AM THU 09/12/10
Darr R at Darr Auto *	2.23m	steady	08:00 AM THU 09/12/10
Thomson R Stonehenge (West) Auto*	3.12m	steady	08:00 AM THU 09/12/10
Thomson R at Jundah	3.15m	falling slowly	06:00 AM THU 09/12/10
Barcoo R at Gillespie	3.95m	rising	09:00 AM THU 09/12/10
Barcoo R at Blackall *	3.11m	falling	08:00 AM THU 09/12/10
Alice R at Barcaldine Weir Auto*	0.45m	steady	08:00 AM THU 09/12/10
Barcoo R at Isisford	4.00m	falling	06:00 AM THU 09/12/10
Barcoo R at Oma	3.95m	falling	06:00 AM THU 09/12/10
Barcoo R at Wahroongha	3.40m	falling fast	06:00 AM THU 09/12/10
Barcoo R at Glenlock	4.90m	rising slowly	03:00 PM WED 08/12/10
Barcoo R at Retreat Auto *	5.82m	falling	08:00 AM THU 09/12/10
Cooper Ck at Windorah	5.32m	falling	06:00 AM THU 09/12/10

* from automatic station

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:58 AM on Friday the 10th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are easing along the Barcoo River between Blackall and Glenlock, with major flooding easing at Retreat. Minor flooding continues along the Thomson River at Camoola Park and further downstream between Stonehenge and Jundah. Major flood levels are slowly easing in the Cooper Creek at Windorah.

Further daily rainfall totals recorded to 9am Friday includes Stonehenge 33mm and Ballera Gas Field 12mm.

BARCOO RIVER

Minor flooding is rising at Blackall. River levels are easing between Coolagh and Oma, with rises and minor flooding occurring at Wahroongha and Glenlock, and major flood levels rising further downstream at Retreat. At 8am Friday the river level at Retreat was 6.19 metres, which is about 4 metres above the level of the

Barcoo River causeway.

Further rises are expected between Isisford and the Retreat area during the weekend and into next week as floodwaters from the Blackall area travel downstream.

COOPER CREEK

Major flooding continues in the Cooper Creek at Windorah, where at 6am Thursday the creek level was 5.2 metres and falling, which is about 1 metre above the level of the approaches to the Diamantina Development Road.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Rain areas and isolated thunderstorms with local moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Cornish Ck at Bowen Downs *	1.76m steady	08:00 AM FRI 10/12/10
Thomson R at Camoola Park	2.25m steady	06:00 PM THU 09/12/10
Thomson R at Longreach auto *	1.97m steady	08:00 AM FRI 10/12/10
Darr R at Darr Auto *	2.24m steady	08:00 AM FRI 10/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.28m rising	06:00 AM FRI 10/12/10
Thomson R Stonehenge (East)	1.8m rising	08:00 AM FRI 10/12/10
Thomson R at Jundah	3.15m rising	06:00 AM FRI 10/12/10
Barcoo R at Gillespie	5m rising	09:00 AM FRI 10/12/10
Barcoo R at Blackall *	3.75m rising	08:00 AM FRI 10/12/10
Barcoo R at Coolagh	NA	
Alice R at Barcaldine Weir Auto*	0.46m steady	08:00 AM FRI 10/12/10
Barcoo R at Isisford	3.4m falling	06:00 AM FRI 10/12/10
Barcoo R at Oma	3.66m falling slowly	06:00 AM FRI 10/12/10
Barcoo R at Wahroongha	3.1m falling slowly	06:00 AM FRI 10/12/10
Barcoo R at Glenlock	4.95m steady	05:30 AM FRI 10/12/10
Barcoo R at Retreat Auto *	6.19m rising	08:00 AM FRI 10/12/10
Cooper Ck at Windorah	5.2m falling slowly	06:00 AM FRI 10/12/10
Cooper Ck at Durham Downs	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:48 AM on Saturday the 11th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are generally easing along the Barcoo River whilst renewed rises are being recorded between Blackall and Coolagh following moderate to heavy rainfall during the last few days. Minor flooding continues along the Thomson River at Camoola Park and further downstream between Stonehenge and Jundah. Major flood levels are slowly easing in the Cooper Creek at Windorah.

Further daily rainfall totals recorded to 9am Saturday includes Gillespie 80mm Tambo 80mm, Woodbine 69mm, Longreach 46mm and Blackall 37mm.

BARCOO RIVER

Minor flooding is rising between Blackall and Oma, with major flood levels rising at Coolagh. Minor flood levels are easing downstream between Wahroongha and Glenlock with major flood levels easing at Retreat. At 8am Saturday the river level at Retreat was 6.82 metres, which is about 4.62 metres above the level of the Barcoo River causeway.

Further rises are expected in the upper Barcoo River between Tambo and Coolagh following recent rainfall. These rises will extend downstream to the Retreat area during the weekend and into next week.

COOPER CREEK

Major flooding continues in the Cooper Creek at Windorah, where at 6am Saturday the creek level was 5.15 metres and falling, which is about 0.85 metres above the level of the approaches to the Diamantina Development Road.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Rain areas, showers and isolated thunderstorms. Some moderate falls possible.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Cornish Ck at Bowen Downs *	1.84m	steady	08:00 AM SAT 11/12/10
Thomson R at Longreach auto *	2.03m	steady	08:00 AM SAT 11/12/10
Darr R at Darr Auto *	2.81m	rising	08:00 AM SAT 11/12/10
Thomson R Stonehenge (West) Auto*	3.44m	steady	04:00 AM SAT 11/12/10
Thomson R at Jundah	3.45m	rising slowly	07:00 AM SAT 11/12/10
Barcoo R at Gillespie	4.40m	falling	09:00 AM SAT 11/12/10
Barcoo R at Blackall *	4.02m	rising	08:00 AM SAT 11/12/10
Barcoo R at Coolagh	6.00m	rising	06:00 AM SAT 11/12/10
Alice R at Barcaldine Weir Auto*	0.33m	steady	08:00 AM SAT 11/12/10
Barcoo R at Isisford	4.60m	steady	06:00 AM SAT 11/12/10
Barcoo R at Oma	4.66m	rising fast	06:00 AM SAT 11/12/10
Barcoo R at Wahroongha	2.90m	falling	06:00 AM SAT 11/12/10
Barcoo R at Glenlock	4.60m	falling slowly	05:30 AM SAT 11/12/10
Barcoo R at Retreat Auto *	6.82m	falling	08:00 AM SAT 11/12/10
Cooper Ck at Windorah	5.15m	falling slowly	06:00 AM SAT 11/12/10

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 11:10 AM on Sunday the 12th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels should be expected at Blackall this week. Moderate to major flood levels are rising on the Barcoo River between Coolagh and Isisford and should be expected downstream to Retreat. Minor flooding continues on the Thomson River between Stonehenge and Jundah. Major flood levels continue on the Cooper Creek at Windorah.

BARCOO RIVER

Further rises are expected on the upper Barcoo River between Tambo and Blackall following recent rainfall. River levels at Blackall are expected to reach at least moderate flood levels during the next few days.

Major flood levels are rising at Coolagh and moderate flooding is occurring at Isisford. A major flood level of at least 7.2 meters at Isisford is expected during Tuesday.

Minor flood levels continue between Wahroongha and Glenlock. Further rises to moderate and major flood levels should be expected between Oma and Glenlock this week, with major flood levels returning downstream at Retreat late in the week. At 8am Sunday the river level at Retreat was 5.57 metres, which was about 3.37 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding continues in the Cooper Creek at Windorah, where at 6am Sunday the creek level was 5.25m metres and rising, which was about 0.95 metres above the level of the approaches to the Diamantina Development Road.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Dry.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Cornish Ck at Bowen Downs *	1.58m steady	08:00 AM SUN 12/12/10
Thomson R at Longreach auto *	2.05m steady	08:00 AM SUN 12/12/10
Darr R at Darr Auto *	3.28m falling	08:00 AM SUN 12/12/10
Thomson R Stonehenge (West) Auto*	3.61m steady	04:00 AM SUN 12/12/10
Thomson R Stonehenge (East)	2.3m rising	07:25 AM SUN 12/12/10

Thomson R at Jundah	3.2m falling	07:00 AM SUN 12/12/10
Barcoo R at Gillespie	6.4m rising fast	09:00 AM SUN 12/12/10
Barcoo R at Duneira	2.7m rising	07:00 AM SUN 12/12/10
Barcoo R at Blackall *	4.44m rising	08:00 AM SUN 12/12/10
Barcoo R at Coolagh	6.7m falling slowly	05:30 AM SUN 12/12/10
Alice R at Barcaldine Weir Auto*	0.24m falling	08:00 AM SUN 12/12/10
Barcoo R at Isisford	5.68m rising	06:00 AM SUN 12/12/10
Barcoo R at Oma	4.93m rising	06:00 AM SUN 12/12/10
Barcoo R at Wahroongha	3.35m rising	06:00 AM SUN 12/12/10
Barcoo R at Glenlock	4.2m falling slowly	05:30 AM SUN 12/12/10
Barcoo R at Retreat Auto *	5.57m falling	08:00 AM SUN 12/12/10
Cooper Ck at Windorah	5.25m rising	06:00 AM SUN 12/12/10

* automatic stations.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:55 AM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flood levels peaked during Sunday on the Barcoo River between Blackall and Coolagh and are falling. Major flood levels continue to rise at Isisford. River levels downstream of Isisford are expected to rise as floodwaters move downstream.

Minor flooding continues on the Thomson River between Stonehenge and Jundah. Major flood levels continue on the Cooper Creek at Windorah.

BARCOO RIVER

Moderate flood levels peaked at 5.2 metres at Blackall during Sunday evening and are now falling.

Major flood levels are falling at Coolagh and major flooding is occurring at Isisford. A major flood peak of around 7.2 metres at Isisford is expected overnight.

Minor to moderate flood levels continue between Oma and Retreat. Further rises to moderate and major flood levels should be expected between Oma and Retreat this week. At 8am Monday the river level at Retreat was 4.93 metres, which was about 2.73 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding continues on the Cooper Creek at Windorah, where at 6am Monday

the creek level was 5.33m metres and rising, which was about 1.03 metres above the level of the approaches to the Diamantina Development Road. Major flood levels are expected to continue into the weekend.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	1.45m steady	08:00 AM MON 13/12/10
Thomson R at Longreach auto *	2.01m steady	08:00 AM MON 13/12/10
Darr R at Darr Auto *	2.65m falling	08:00 AM MON 13/12/10
Thomson R Stonehenge (West) Auto*	3.97m rising	08:00 AM MON 13/12/10
Thomson R Stonehenge (East)	2.65m rising	07:30 AM MON 13/12/10
Thomson R at Jundah	3.2m steady	06:00 AM MON 13/12/10
Barcoo R at Gillespie	6.7m falling slowly	09:00 AM MON 13/12/10
Barcoo R at Duneira	2.55m steady	06:00 AM MON 13/12/10
Barcoo R at Blackall *	4.96m falling	08:00 AM MON 13/12/10
Barcoo R at Coolagh	6.5m falling slowly	06:15 AM MON 13/12/10
Jordan R at Glencoe	2m rising	09:00 AM MON 13/12/10
Alice R at Barcaldine Weir Auto*	0.2m steady	08:00 AM MON 13/12/10
Barcoo R at Isisford	6.58m rising	06:00 AM MON 13/12/10
Barcoo R at Oma	5.81m rising	06:00 AM MON 13/12/10
Barcoo R at Wahroongha	3.8m rising	06:00 AM MON 13/12/10
Barcoo R at Glenlock	4.05m falling slowly	05:30 AM MON 13/12/10
Barcoo R at Retreat Auto *	4.93m falling	08:00 AM MON 13/12/10
Cooper Ck at Windorah	5.33m steady	06:00 AM MON 13/12/10

* automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:41 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flood levels continue on the Barcoo River between Blackall and Isisford and are currently steady. Moderate to major flood levels are rising between Oma and Wahroongha. River levels downstream of Wahroongha are expected to rise as floodwaters move downstream.

Minor flooding continues on the Thomson River between Stonehenge and Jundah. Minor flooding continues on the Barcoo River upstream of Blackall between

Gillespie and Duneira.

Major flood levels continue on the Cooper Creek at Windorah.

BARCOO RIVER

Major flood levels peaked at 6.84 metres at Isisford during on Monday night and are now steady.

Major flood levels are rising at Oma and expected to peak at around 6.4 metres during today.

Moderate flood levels are rising at Wahroongha and are expected to reach a major flood peak of around 5.2 metres late today.

Minor flood levels continue between Glenlock and Retreat. Further rises to moderate and major flood levels should be expected downstream of Wahroongha to Retreat this week. At 8am Tuesday the river level at Retreat was 4.46 metres and falling, which was about 2.26 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding continues on the Cooper Creek at Windorah, where at 6am Tuesday the creek level was 5.1 metres and falling, which was about 0.8 metres above the level of the approaches to the Diamantina Development Road. Major flood levels are expected to continue into the weekend.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.03m rising	08:00 AM TUE 14/12/10
Thomson R at Longreach auto *	1.96m steady	08:00 AM TUE 14/12/10
Darr R at Darr Auto *	2.43m steady	08:00 AM TUE 14/12/10
Thomson R Stonehenge (West) Auto*	3.98m steady	04:00 AM TUE 14/12/10
Thomson R Stonehenge (East)	2.65m steady	07:20 AM TUE 14/12/10
Thomson R at Jundah	3.4m rising slowly	07:00 AM TUE 14/12/10
Barcoo R at Gillespie	5.6m falling	06:00 AM TUE 14/12/10
Barcoo R at Duneira	2.55m falling	06:00 AM TUE 14/12/10
Barcoo R at Blackall *	5.24m falling	08:00 AM TUE 14/12/10
Barcoo R at Coolagh	6.4m steady	06:00 AM TUE 14/12/10
Alice R at Barcaldine Weir Auto*	0.17m steady	08:00 AM TUE 14/12/10
Barcoo R at Isisford	6.81m falling slowly	06:00 AM TUE 14/12/10
Barcoo R at Oma	6.33m rising slowly	06:00 AM TUE 14/12/10
Barcoo R at Wahroongha	4.45m rising	06:00 AM TUE 14/12/10
Barcoo R at Glenlock	4.25m rising slowly	05:30 AM TUE 14/12/10
Barcoo R at Retreat Auto *	4.46m falling	08:00 AM TUE 14/12/10
Cooper Ck at Windorah	5.1m falling	06:00 AM TUE 14/12/10

* automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:55 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flood levels continue on the Barcoo River between Blackall and Isisford and are currently steady. Moderate to major flood levels are rising between Oma and Wahroongha. River levels downstream of Wahroongha are expected to rise as floodwaters move downstream.

Minor flooding continues on the Thomson River between Stonehenge and Jundah. Minor flooding continues on the Barcoo River upstream of Blackall between Gillespie and Duneira.

Major flood levels continue on the Cooper Creek at Windorah.

BARCOO RIVER

Major flood levels peaked at 6.84 metres at Isisford on Monday night and are now steady.

Major flood levels are rising at Oma and expected to peak at around 6.4 metres during today.

Moderate flood levels are rising at Wahroongha and are expected to reach a major flood peak of around 5.2 metres late today.

Minor flood levels continue between Glenlock and Retreat. Further rises to moderate and major flood levels should be expected downstream of Wahroongha to Retreat this week. At 8am Tuesday the river level at Retreat was 4.46 metres and falling, which was about 2.26 metres above the level of the Barcoo River causeway.

COOPER CREEK

Major flooding continues on the Cooper Creek at Windorah, where at 6am Tuesday the creek level was 5.1 metres and falling, which was about 0.8 metres above the level of the approaches to the Diamantina Development Road. Major flood levels are expected to continue into the weekend.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Fine.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.03m rising	08:00 AM TUE 14/12/10
Thomson R at Longreach auto *	1.96m steady	08:00 AM TUE 14/12/10
Darr R at Darr Auto *	2.43m steady	08:00 AM TUE 14/12/10
Thomson R Stonehenge (West) Auto*	3.98m steady	04:00 AM TUE 14/12/10
Thomson R Stonehenge (East)	2.65m steady	07:20 AM TUE 14/12/10
Thomson R at Jundah	3.4m rising slowly	07:00 AM TUE 14/12/10
Barcoo R at Gillespie	5.6m falling	06:00 AM TUE 14/12/10
Barcoo R at Duneira	2.55m falling	06:00 AM TUE 14/12/10
Barcoo R at Blackall *	5.24m falling	08:00 AM TUE 14/12/10
Barcoo R at Coolagh	6.4m steady	06:00 AM TUE 14/12/10
Alice R at Barcaldine Weir Auto*	0.17m steady	08:00 AM TUE 14/12/10
Barcoo R at Isisford	6.81m falling slowly	06:00 AM TUE 14/12/10
Barcoo R at Oma	6.33m rising slowly	06:00 AM TUE 14/12/10
Barcoo R at Wahroongha	4.45m rising	06:00 AM TUE 14/12/10
Barcoo R at Glenlock	4.25m rising slowly	05:30 AM TUE 14/12/10
Barcoo R at Retreat Auto *	4.46m falling	08:00 AM TUE 14/12/10
Cooper Ck at Windorah	5.1m falling	06:00 AM TUE 14/12/10

* automatic station.

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public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:43 AM on Wednesday the 15th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease on the Barcoo River between Coolagh
and Oma. Minor to moderate flood levels are rising downstream between Wahroongha
and Retreat, with the flood peak currently approaching the Wahroongha area.
Minor flooding continues on the upper Barcoo River between Duneira and Blackall.

Minor flooding continues on the Thomson River between Stonehenge and Jundah,
with moderate flooding easing downstream on the Cooper Creek at Windorah.

BARCOO RIVER:
Major flooding is easing between Coolagh and Oma, with moderate flood levels
rising downstream at Wahroongha. Minor flood levels are also rising between
Glenlock and Retreat. At 8am Wednesday the river level at Retreat was 4.21
metres and rising, which was about 2.0 metres above the level of the Barcoo
River causeway.

COOPER CREEK:
Moderate flooding is easing on the Cooper Creek at Windorah, where at 6am
Tuesday the creek level was 4.86 metres, which was about 0.56 metres above the

level of the approaches to the Diamantina Development Road. High river levels are expected to continue into the weekend.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Mostly fine. Possible late showers and thunderstorms in the south.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.48m steady	08:00 AM WED 15/12/10
Thomson R at Longreach auto *	1.96m steady	08:00 AM WED 15/12/10
Darr R at Darr Auto *	2.38m steady	08:00 AM WED 15/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.82m steady	04:00 AM WED 15/12/10
Thomson R Stonehenge (East)	2.5m falling slowly	07:00 AM WED 15/12/10
Thomson R at Jundah	3.7m rising	06:00 AM WED 15/12/10
Barcoo R at Gillespie	4m falling	06:00 AM WED 15/12/10
Barcoo R at Blackall *	4.53m falling	08:00 AM WED 15/12/10
Barcoo R at Coolagh	6.35m falling slowly	06:00 AM WED 15/12/10
Alice R at Barcaldine Weir Auto*	0.24m steady	08:00 AM WED 15/12/10
Barcoo R at Isisford	6.59m falling slowly	06:00 AM WED 15/12/10
Barcoo R at Oma	6.19m falling slowly	06:00 AM WED 15/12/10
Barcoo R at Wahroongha	4.8m rising	06:00 AM WED 15/12/10
Barcoo R at Glenlock	4.85m rising	05:30 AM WED 15/12/10
Barcoo R at Retreat Auto *	4.21m rising	08:00 AM WED 15/12/10
Cooper Ck at Windorah	4.86m falling	06:00 AM WED 15/12/10
Cooper Ck at Durham Downs	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:14 AM on Thursday the 16th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease on the Barcoo River between Coolagh and Wahroongha. Moderate flood levels are rising downstream between Glenlock and Retreat, with the flood peak currently approaching the Glenlock area. Minor flooding continues on the upper Barcoo River at Blackall.

Minor flooding continues on the Thomson River between Stonehenge and Jundah,

with moderate flooding easing downstream on the Cooper Creek at Windorah.

BARCOO RIVER:
Moderate to major flooding is easing between Coolagh and Oma, with moderate flood levels rising downstream between Glenlock and Retreat. At 8am Thursday the river level at Retreat was 5.23 metres and rising, which was about 3.0 metres above the level of the Barcoo River causeway.

COOPER CREEK:
Moderate flooding is easing on the Cooper Creek at Windorah, where at 6am Thursday the creek level was 4.72 metres, which was about 0.42 metres above the level of the approaches to the Diamantina Development Road. High river levels are expected to continue into the weekend.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Mostly fine, only isolated showers and thunderstorms in the afternoon and evening.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Thomson R at Longreach auto *	1.99m	steady	08:00 AM THU 16/12/10
Darr R at Darr Auto *	2.34m	falling	08:00 AM THU 16/12/10
Thomson R Stonehenge (West) Auto*	3.61m	falling	04:00 AM THU 16/12/10
Thomson R Stonehenge (East)	2.25m	falling	06:45 AM THU 16/12/10
Thomson R at Jundah	3.80m	steady	07:00 AM THU 16/12/10
Barcoo R at Blackall *	3.78m	falling	07:00 AM THU 16/12/10
Barcoo R at Coolagh	6.30m	falling slowly	06:00 PM WED 15/12/10
Alice R at Barcaldine Weir Auto*	0.29m	steady	08:00 AM THU 16/12/10
Barcoo R at Isisford	6.55m	falling slowly	06:00 AM THU 16/12/10
Barcoo R at Oma	6.12m	falling slowly	07:00 PM WED 15/12/10
Barcoo R at Wahroongha	4.75m	falling slowly	06:00 AM THU 16/12/10
Barcoo R at Glenlock	5.30m	rising	05:30 AM THU 16/12/10
Barcoo R at Retreat Auto *	5.23m	rising	08:00 AM THU 16/12/10
Cooper Ck at Windorah	4.72m	falling	06:00 AM THU 16/12/10

* from automatic station

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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:54 AM on Friday the 17th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate to major flooding continues to ease on the Barcoo River between Coolagh and Wahroongha, with moderate to major flood levels rising downstream between Glenlock and Retreat, with the flood peak currently in the Glenlock area.

Minor flooding continues on the Thomson River between Stonehenge and Jundah, with moderate flood levels occurring further downstream on the Cooper Creek at Windorah.

BARCOO RIVER:
Moderate to major flooding is easing between Coolagh and Wahroongha, with moderate to major flood levels rising downstream between Glenlock and Retreat. At 8am Friday the river level at Retreat was 6.57 metres and rising, which was about 4.37 metres above the level of the Barcoo River causeway.

COOPER CREEK:
Moderate flooding continues on the Cooper Creek at Windorah, where at 6am Thursday the creek level was 4.78 metres, which was about 0.48 metres above the level of the approaches to the Diamantina Development Road. High river levels are expected to continue during the weekend and into next week.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Isolated showers and thunderstorms, chiefly in the afternoon and evening.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.85m steady	08:00 AM FRI 17/12/10
Thomson R at Longreach auto *	2.04m steady	08:00 AM FRI 17/12/10
Darr R at Darr Auto *	2.31m steady	08:00 AM FRI 17/12/10
Thomson R Stonehenge (West) Auto*	3.2m falling	08:00 AM FRI 17/12/10
Thomson R at Jundah	3.55m falling	08:00 AM FRI 17/12/10
Barcoo R at Blackall *	2.74m falling	08:00 AM FRI 17/12/10
Barcoo R at Coolagh	5.5m falling	06:00 AM FRI 17/12/10
Alice R at Barcaldine Weir Auto*	0.26m steady	08:00 AM FRI 17/12/10
Barcoo R at Isisford	6.36m falling slowly	06:00 AM FRI 17/12/10
Barcoo R at Oma	6.07m falling slowly	06:00 PM THU 16/12/10
Barcoo R at Wahroongha	4.65m falling slowly	12:00 PM THU 16/12/10
Barcoo R at Glenlock	NA	
Barcoo R at Retreat Auto *	6.57m rising	08:00 AM FRI 17/12/10
Cooper Ck at Windorah	4.78m rising slowly	06:00 AM FRI 17/12/10
Cooper Ck at Durham Downs	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:22 AM on Saturday the 18th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall during the week has caused rises in Cornish Creek at Bowen Downs with rises and minor flooding expected to develop downstream to Camoola Park and Longreach by late next week. Minor flooding continues on the Thompson river at Jundah, with moderate flood levels occurring further downstream on the Cooper Creek at Windorah.

Rainfall from thunderstorms overnight is expected to cause further rises in the Upper Barcoo River around Blackall later in the weekend and early next week. Moderate flooding continues to ease on the Barcoo River between Coolagh and Wahroongha. A moderate flood peak is currently in the Glenlock area with further rises and major flooding downstream at Retreat.

BARCOO RIVER:
Moderate flooding continues to ease between Coolagh and Wahroongha. A moderate flood peak is currently in the Glenlocak area with further rises and major flooding occurring downstream at Retreat. At 8am Saturday the river level at Retreat was 7.53 metres and rising, which was about 5.33 metres above the level of the Barcoo River causeway.

COOPER CREEK:
Moderate flooding continues on the Cooper Creek at Windorah, where at 6am Saturday the creek level was 4.94 metres, which was about 0.64 metres above the level of the approaches to the Diamantina Development Road. High river levels are expected to continue during the weekend and into next week.

Moderate to major flood levels are expected to affect areas downstream to Durham Downs during the next few weeks.

Weather Forecast:
Scattered showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10am Sunday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.93m steady	08:00 AM SAT 18/12/10
Thomson R at Longreach auto *	2.1m steady	06:00 AM SAT 18/12/10
Darr R at Darr Auto *	2.3m steady	06:00 AM SAT 18/12/10
Thomson R Stonehenge (West) Auto*	2.79m falling	04:00 AM SAT 18/12/10
Barcoo R at Blackall *	2.29m falling	06:00 AM SAT 18/12/10
Barcoo R at Isisford	5.9m falling slowly	06:00 AM SAT 18/12/10
Barcoo R at Wahroongha	4.6m falling slowly	06:00 AM SAT 18/12/10
Barcoo R at Glenlock	5.55m steady	05:30 AM SAT 18/12/10
Barcoo R at Retreat Auto *	7.53m rising	08:00 AM SAT 18/12/10
Cooper Ck at Windorah	4.94m rising slowly	06:00 AM SAT 18/12/10

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:34 AM on Sunday the 19th of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises in Cornish Creek at Bowen Downs are expected to extend downstream to Longreach by late next week with minor flooding possible. Major flood levels continue in the Cooper Creek at Windorah.

Moderate flooding continues to ease in the Barcoo River between Isisford and Glenlock with a major flood peak currently in the Retreat area.

BARCOO RIVER:
Moderate flooding continues to ease between Isisford and Glenlock. Major flooding continues to rise in the Retreat area, where at 8am Sunday the river level was 7.89 metres and rising, which was about 5.69 metres above the level of the Barcoo River causeway.

Rainfall from thunderstorms overnight is expected to cause further rises in the upper Barcoo River around Blackall early this week. Renewed rises and a return to high levels are forecast along the Barcoo River at Coolagh and Isisford during this week.

COOPER CREEK:
Moderate flooding continues in the Cooper Creek at Windorah, where at 6am Sunday the creek level was 5.1 metres, which was about 0.8 metres above the level of the approaches to the Diamantina Development Road. High river levels are expected to continue during this week.

Weather Forecast:
Scattered showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10am Monday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.73m	falling	08:00 AM SUN 19/12/10
Thomson R at Longreach auto *	2.16m	steady	09:00 AM SUN 19/12/10
Darr R at Darr Auto *	2.31m	steady	09:00 AM SUN 19/12/10
Thomson R Stonehenge (West) Auto*	2.46m	steady	08:00 AM SUN 19/12/10
Thomson R at Jundah	2.45m	falling	07:00 AM SUN 19/12/10
Barcoo R at Blackall *	2.74m	rising	09:08 AM SUN 19/12/10
Alice R at Barcaldine Weir Auto*	0.38m	steady	08:00 AM SUN 19/12/10
Barcoo R at Isisford	5.10m	falling	06:00 AM SUN 19/12/10
Barcoo R at Oma	5.16m	falling	06:00 AM SUN 19/12/10
Barcoo R at Wahroongha	4.40m	falling slowly	06:00 AM SUN 19/12/10
Barcoo R at Glenlock	5.50m	falling slowly	05:30 AM SUN 19/12/10
Barcoo R at Retreat Auto *	7.89m	steady	08:00 AM SUN 19/12/10
Cooper Ck at Windorah	5.10m	rising	06:00 AM SUN 19/12/10

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* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:05 AM on Monday the 20th of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises in Cornish Creek at Bowen Downs are expected to extend
downstream to Longreach by late next week with minor flooding possible. Major
flood levels continue in the Cooper Creek at Windorah.

Minor to moderate flood levels continue in the Barcoo River between Blackall and
Glenlock with a major flood peak currently in the Retreat area.

BARCOO RIVER:
Minor to moderate flooding continues to ease between Isisford and Glenlock.
Major flooding has peaked at Retreat, where at 8am Monday the river level was
7.84 metres and easing, which was about 5.64 metres above the level of the
Barcoo River causeway.

River level rises causing minor flooding are being recorded in the upper Barcoo
River at Blackall. Renewed rises and a return to high levels are forecast along
the Barcoo River at Coolagh and Isisford during this week.

COOPER CREEK:
Moderate flooding continues in the Cooper Creek at Windorah, where at 6am Sunday
the creek level was 5.13 metres, which was about 0.83 metres above the level of
the approaches to the Diamantina Development Road. High river levels are
expected to continue during this week.

Weather Forecast:
Scattered showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10am Tuesday.

Latest River Heights:
Cornish Ck at Bowen Downs *       3.03m falling        08:00 AM MON 20/12/10
Thomson R at Longreach auto *     2.15m steady         05:00 AM MON 20/12/10
Darr R at Darr Auto *             2.60m falling        06:00 AM MON 20/12/10
Thomson R Stonehenge (West) Auto* 2.50m rising         04:00 AM MON 20/12/10
Barcoo R at Blackall *            4.12m rising         06:00 AM MON 20/12/10
Alice R at Barcaldine Weir Auto*  0.45m rising         08:00 AM MON 20/12/10
Barcoo R at Isisford              4.39m falling slowly 06:00 AM MON 20/12/10
Barcoo R at Oma                   4.48m falling        06:00 AM MON 20/12/10
Barcoo R at Wahroongha            4.15m falling        06:00 AM MON 20/12/10
Barcoo R at Glenlock              5.40m falling slowly 05:30 AM MON 20/12/10
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Barcoo R at Retreat Auto *        7.84m falling        08:00 AM MON 20/12/10
Cooper Ck at Windorah             5.13m rising slowly  06:00 AM MON 20/12/10

* from automatic stationA

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telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:11 AM on Tuesday the 21st of December 2010
by the Bureau of Meteorology, Brisbane.

River level rises in Cornish Creek at Bowen Downs are expected to extend
downstream to Longreach later this week with minor flooding possible. Major
flood levels continue in the Cooper Creek at Windorah.

Minor to moderate flood levels continue in the Barcoo River between Blackall and
Glenlock with a major flood peak currently in the Retreat area.

BARCOO RIVER:
Minor to moderate flooding continues to ease between Isisford and Glenlock.
Major flooding continues at Retreat, where at 8am Monday the river level was
7.61 metres and easing, which was about 5.41 metres above the level of the
Barcoo River causeway.

Moderate flood levels have peaked in the upper Barcoo River at Blackall. Renewed
rises and a return to high levels are forecast along the Barcoo River between
Coolagh and Isisford into the weekend. River levels in the Isisford area are
forecast to reach around 6 metres during the next few days.

COOPER CREEK:
Moderate flooding continues in the Cooper Creek at Windorah, where at 6am Sunday
the creek level was 5.1 metres, which was about 0.8 metres above the level of
the approaches to the Diamantina Development Road. High river levels are
expected to continue during this week.

Predicted River Heights/Flows:
Barcoo River:

Isisford              Reach around 6 metres during the next few days.

Next Issue:
The next warning will be issued at about 10am Wednesday.

Latest River Heights:
Cornish Ck at Bowen Downs *       2.91m falling        08:00 AM TUE 21/12/10
Thomson R at Longreach auto *     2.09m steady         08:00 AM TUE 21/12/10
Darr R at Darr Auto *             2.34m steady         08:00 AM TUE 21/12/10
Thomson R Stonehenge (West) Auto* 2.99m rising         04:00 AM TUE 21/12/10
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Barcoo R at Gillespie	6.60m	steady	06:00 AM TUE 21/12/10
Barcoo R at Duneira	2.50m	falling	06:00 AM TUE 21/12/10
Barcoo R at Blackall *	5.14m	falling	08:00 AM TUE 21/12/10
Jordan R at Glencoe	2.25m	steady	09:00 AM TUE 21/12/10
Alice R at Barcaldine Weir Auto*	0.46m	steady	08:00 AM TUE 21/12/10
Barcoo R at Isisford	4.29m	rising slowly	06:00 AM TUE 21/12/10
Barcoo R at Oma	4.51m	falling slowly	06:00 AM TUE 21/12/10
Barcoo R at Wahroongha	3.80m	falling	06:00 AM TUE 21/12/10
Barcoo R at Glenlock	5.30m	falling slowly	05:30 AM TUE 21/12/10
Barcoo R at Retreat Auto *	7.61m	falling	08:00 AM TUE 21/12/10
Cooper Ck at Windorah	5.10m	falling slowly	06:00 AM TUE 21/12/10

* from automatic station

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public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:58 AM on Wednesday the 22nd of December 2010
by the Bureau of Meteorology, Brisbane.

High levels experienced last weekend in Cornish Creek at Bowen Downs are
expected to extend downstream to Longreach later this weekend with some minor
flooding possible. Major flooding continues in the Cooper Creek at Windorah,
with high river levels expected to continue into next week.

Minor to moderate flooding is occurring in the upper Barcoo River in the
Blackall area with rises and major flooding extending downstream to Coolagh.
Renewed rises and a return to high river levels are expected to extend
downstream along the lower Barcoo River during this week, where major flood
levels are currently easing in the Retreat area.

BARCOO RIVER:
Minor to moderate flooding is easing slowly in the upper Barcoo River between
Duneira and Blackall, with rises and major flooding occurring downstream at
Coolagh. Renewed rises and a return to high river levels are forecast along the
lower Barcoo River during this week and into the weekend.

Minor to moderate flooding continues to along the lower Barcoo River between
Isisford and Glenlock, with major flooding easing at Retreat. At 8am Wednesday
the river level at Retreat was 7.22 metres, which was about 5.02 metres above
the level of the Barcoo River causeway.

COOPER CREEK:
Major flooding is easing slowly in the Cooper Creek at Windorah. At 6am
Wednesday the creek level was 5.0 metres, which was about 0.7 metres above the
level of the approaches to the Diamantina Development Road. High river levels
are expected to continue going into next week.

Weather Forecast:
Scattered showers and rain areas developing northeast of about Winton to Blackall during the afternoon and evening. Fine elsewhere.

Next Issue:
The next warning will be issued at about 10am Thursday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.84m rising	08:00 AM WED 22/12/10
Thomson R at Longreach auto *	2.02m steady	08:00 AM WED 22/12/10
Darr R at Darr Auto *	2.29m steady	08:00 AM WED 22/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.12m steady	04:00 AM WED 22/12/10
Thomson R at Jundah	NA	
Barcoo R at Gillespie	6m falling slowly	06:00 AM WED 22/12/10
Barcoo R at Duneira	2.55m steady	06:00 AM WED 22/12/10
Barcoo R at Blackall *	5.06m steady	08:00 AM WED 22/12/10
Barcoo R at Coolagh	6.2m rising	06:00 AM WED 22/12/10
Jordan R at Glencoe	2.1m falling slowly	09:00 AM WED 22/12/10
Jordan R at Jericho	NA	
Barcoo R at Isisford	4.55m falling	06:00 AM WED 22/12/10
Barcoo R at Oma	4.76m rising	05:00 PM TUE 21/12/10
Barcoo R at Wahroongha	3.5m falling	06:00 AM WED 22/12/10
Barcoo R at Glenlock	5.05m falling slowly	05:30 AM WED 22/12/10
Barcoo R at Retreat Auto *	7.22m falling	08:00 AM WED 22/12/10
Cooper Ck at Windorah	5m falling slowly	06:00 AM WED 22/12/10
Cooper Ck at Durham Downs	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:35 AM on Thursday the 23rd of December 2010
by the Bureau of Meteorology, Brisbane.

High river levels experienced last weekend in Cornish Creek at Bowen Downs are expected to extend downstream to Longreach but river levels are now expected to remain below minor. Moderate flooding continues in the Cooper Creek at Windorah, with renewed rises and further major flooding expected late next week.

Minor flooding is occurring in the upper Barcoo River in the Blackall area with rises and major flooding extending downstream to Isisford. Renewed rises and a return to high river levels are expected to extend downstream along the lower Barcoo River during this week, where major flood levels are currently easing in the Retreat area.

BARCOO RIVER:
Minor flooding is easing in the upper Barcoo River between Gillespie and Blackall, with rises and major flooding occurring downstream at Coolagh and Isisford. Minor to moderate flooding continues along the lower Barcoo River between Oma and Glenlock with major flooding easing at Retreat. At 8am Thursday the river level at Retreat was 6.55 metres, which was about 4.35 metres above the level of the Barcoo River causeway. Renewed rises and a return to high river levels are forecast along the lower Barcoo River during this week and into the weekend.

COOPER CREEK:
Moderate flooding is easing slowly in the Cooper Creek at Windorah. At 6am Thursday the creek level was 4.92 metres, which was about 0.62 metres above the level of the approaches to the Diamantina Development Road. Rises and a return to major flooding is expected late next week.

Weather Forecast:
Isolated showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10am Friday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.95m rising	08:00 PM WED 22/12/10
Thomson R at Longreach auto *	1.95m steady	06:00 AM THU 23/12/10
Darr R at Darr Auto *	2.28m steady	06:00 AM THU 23/12/10
Thomson R Stonehenge (West) Auto*	3.23m steady	05:00 AM THU 23/12/10
Barcoo R at Gillespie	4m falling slowly	06:00 AM THU 23/12/10
Barcoo R at Duneira	2.15m falling	06:00 AM THU 23/12/10
Barcoo R at Blackall *	4.67m falling	06:00 AM THU 23/12/10
Barcoo R at Coolagh	6.25m steady	06:00 AM THU 23/12/10
Jordan R at Glencoe	2.1m falling slowly	09:00 AM WED 22/12/10
Alice R at Barcaldine Weir Auto*	0.45m falling	08:07 PM WED 22/12/10
Barcoo R at Isisford	5.95m rising	06:00 AM THU 23/12/10
Barcoo R at Wahroongha	3.6m steady	06:00 AM THU 23/12/10
Barcoo R at Glenlock	4.85m falling	05:30 AM THU 23/12/10
Barcoo R at Retreat Auto *	6.95m falling	08:00 PM WED 22/12/10
Cooper Ck at Windorah	4.92m falling slowly	06:00 AM THU 23/12/10

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 9:37 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is easing in the Barcoo River between Blackall and Coolagh, with rises and moderate to major flooding extending downstream to Wahroongha. Minor to moderate flooding is easing in the Retreat area, however renewed rises are expected during the weekend. Moderate flooding continues in the Cooper Creek at Windorah, with renewed rises and further major flooding expected late next week.

Small rises are occurring at Longreach however river levels will remain below minor. Minor flooding continues at Stonehenge (automatic station).

BARCOO RIVER:
Minor flooding continues to ease in the upper Barcoo River in the Blackall area, with moderate flooding easing downstream along the lower Barcoo River at Coolagh. Moderate to major flooding is rising between Isisford and Wahroongha, with high river levels forecast along the lower Barcoo River during this weekend and into next week. Minor to moderate flooding continues to ease downstream between Glenlock and Retreat. At 8am Friday the river level at Retreat was 6.67 metres, which is about 3.4 metres above the level of the Barcoo River causeway.

COOPER CREEK:
Moderate flooding continues to slowly ease in the Cooper Creek at Windorah. At 6am Thursday the creek level was 4.85 metres, which was about 0.55 metres above the level of the approaches to the Diamantina Development Road. Rises and a return to major flooding is expected late next week.

Weather Forecast:
Rain areas and local thunder in the east with some moderate to locally heavy falls possible. Isolated showers and thunderstorms elsewhere.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Cornish Ck at Bowen Downs *	2.98m steady	08:00 AM FRI 24/12/10
Thomson R at Longreach auto *	2.28m steady	08:00 AM FRI 24/12/10
Darr R at Darr Auto *	3.03m falling	08:00 AM FRI 24/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.23m steady	04:00 AM FRI 24/12/10
Thomson R at Jundah	2.1m rising	03:00 PM THU 23/12/10
Barcoo R at Blackall *	3.88m falling	08:00 AM FRI 24/12/10
Barcoo R at Coolagh	5.95m falling slowly	07:30 AM FRI 24/12/10
Jordan R at Glencoe	2.1m rising slowly	09:00 AM FRI 24/12/10
Alice R at Barcaldine Weir Auto*	0.6m rising	08:00 AM FRI 24/12/10
Barcoo R at Isisford	6.4m rising slowly	06:00 AM FRI 24/12/10
Barcoo R at Oma	5.84m rising	06:00 AM FRI 24/12/10
Barcoo R at Wahroongha	3.95m rising	06:00 AM FRI 24/12/10
Barcoo R at Glenlock	4.65m falling slowly	05:30 AM FRI 24/12/10
Barcoo R at Retreat Auto *	5.67m falling	08:00 AM FRI 24/12/10
Cooper Ck at Windorah	4.85m falling slowly	06:00 AM FRI 24/12/10
Cooper Ck at Durham Downs	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 6:36 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Renewed rises reported upstream of Jericho this afternoon are expected to cause rises to near the major flood level of 3 metres at Jericho during Saturday. Flood levels are expected to be at least similar to the January 2008 flood and possibly higher.

Minor to moderate flooding is easing in the Barcoo River between Blackall and Coolagh, with rises and moderate to major flooding extending downstream to Wahroongha. Minor to moderate flooding is easing in the Retreat area, however renewed rises are expected during the weekend. Moderate flooding continues in the Cooper Creek at Windorah, with renewed rises and further major flooding expected late next week.

JORDAN RIVER:
On the Jordan River at Glencoe, river rises slightly above the level of the Jan 2008 flood have been reported this (Friday) afternoon. Jericho is expected to reach at least 3 metres by midday Saturday with possible further rises. This is similar to the Jan 2008 flood.

BARCOO RIVER:
Minor flooding continues to ease in the upper Barcoo River in the Blackall area, with moderate flooding easing downstream along the lower Barcoo River at Coolagh. Moderate to major flooding is rising between Isisford and Wahroongha, with high river levels forecast along the lower Barcoo River during this weekend and into next week. Minor to moderate flooding continues to ease downstream between Glenlock and Retreat.

COOPER CREEK:
Moderate flooding continues to slowly ease in the Cooper Creek at Windorah. At 3pm Friday the creek level was 4.81 metres, which was about 0.5 metres above the level of the approaches to the Diamantina Development Road. Rises and a return to major flooding is expected late next week.

Predicted River Heights/Flows:
Jericho: Reach at least 3 metres by midday Saturday with possible further rises. This is similar to the Jan 2008 flood.

Next Issue:
The next warning will be issued at about 10am Saturday.

Latest River Heights:

Thomson R at Longreach auto *	2.37m steady	05:00 PM FRI 24/12/10
Darr R at Darr Auto *	2.7m falling	05:00 PM FRI 24/12/10
Thomson R Stonehenge (West) Auto*	3.16m steady	04:00 PM FRI 24/12/10
Thomson R at Jundah	2.15m rising slowly	08:00 AM FRI 24/12/10
Barcoo R at Blackall *	3.62m falling	05:00 PM FRI 24/12/10
Barcoo R at Coolagh	5.75m falling slowly	06:00 PM FRI 24/12/10
Jordan R at Glencoe	2.65m rising	05:00 PM FRI 24/12/10
Jordan R at Jericho	NA	
Alice R at Barcaldine Weir Auto*	0.6m rising	08:00 AM FRI 24/12/10
Barcoo R at Isisford	6.43m steady	12:00 PM FRI 24/12/10

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Barcoo R at Oma                    5.96m rising slowly  04:00 PM FRI 24/12/10
Barcoo R at Wahroongha             4.2m rising fast     03:00 PM FRI 24/12/10
Barcoo R at Glenlock               4.65m falling slowly 05:30 AM FRI 24/12/10
Barcoo R at Retreat Auto *         5.67m falling        08:00 AM FRI 24/12/10
Cooper Ck at Windorah              4.81m falling slowly 03:00 PM FRI 24/12/10



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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:19 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Rises are nearing a peak of 3 metres at Jericho expected today.

Minor to moderate flooding is easing in the Barcoo River between Blackall and
Isisford, with rises and moderate to major flooding extending downstream to
Retreat during next week.

JORDAN RIVER:
On the Jordan River at Glencoe, river rises slightly above the level of the Jan
2008 flood were observed during Friday. Jericho is expected to reach around 3
metres by midday Saturday.

BARCOO RIVER:
Minor flooding continues to ease in the upper Barcoo River in the Blackall area,
with moderate flooding easing downstream along the lower Barcoo River at
Isisford. The flood peak is currently in the Oma area and will extend downstream
with moderate to major flood levels forecast into next week.

COOPER CREEK:
Moderate flooding continues in the Cooper Creek at Windorah. At 6am Saturday the
creek level was 4.74 metres, which was about 0.4 metres above the level of the
approaches to the Diamantina Development Road. A return to major flood levels is
expected late next week.

Predicted River Heights/Flows:
Jericho:   Peak around 3 metres by midday Saturday.

Next Issue:
The next warning will be issued at about 10:30am Sunday.

Latest River Heights:
Cornish Ck at Bowen Downs *       2.97m steady         08:00 AM SAT 25/12/10
Thomson R at Longreach auto *     2.58m rising         08:00 AM SAT 25/12/10
Darr R at Darr Auto *             2.41m steady         08:00 AM SAT 25/12/10
Thomson R Stonehenge (West) Auto* 3.06m steady         08:00 AM SAT 25/12/10
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Barcoo R at Blackall *	2.96m	falling	08:00 AM SAT 25/12/10
Barcoo R at Coolagh	5.55m	falling slowly	06:00 AM SAT 25/12/10
Jordan R at Glencoe	2.45m	falling slowly	09:00 AM SAT 25/12/10
Alice R at Barcaldine Weir Auto*	1.85m	steady	08:00 AM SAT 25/12/10
Barcoo R at Isisford	6.28m	falling slowly	06:00 AM SAT 25/12/10
Barcoo R at Oma	5.96m	rising slowly	04:00 PM FRI 24/12/10
Barcoo R at Wahroongha	4.45m	rising	06:00 AM SAT 25/12/10
Barcoo R at Glenlock	4.65m	steady	05:30 AM SAT 25/12/10
Barcoo R at Retreat Auto *	5.1m	falling	08:00 AM SAT 25/12/10
Cooper Ck at Windorah	4.74m	falling slowly	06:00 AM SAT 25/12/10

*Automatic station

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public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:45 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Jordan and Barcoo Rivers through to Isisford, with rises and moderate to major flooding extending further downstream to Retreat during this week. Moderate flooding is occurring at Windorah on the Cooper Creek with a return to major flood levels expected later this week.

JORDAN RIVER:
Minor flooding is easing in the Jordan River at Glencoe, with rises expected downstream at Jericho and the Capricorn Highway during this week. Minor flooding continues at Barcaldine Weir.

BARCOO RIVER:
Moderate flooding continues along the Barcoo River with the flood peak currently in the Oma area. Renewed rises causing moderate to major flooding will extend downstream to Retreat during this week.

COOPER CREEK:
Moderate flooding continues to ease in the Cooper Creek at Windorah with a return to major flood levels expected later this week. At 6am Sunday the creek level was 4.55 metres, which was about 0.25 metres above the level of the approaches to the Diamantina Development Road.

Weather Forecast:
Isolated afternoon and evening showers and thunderstorms, tending to patchy light rain in the northeast.

Next Issue:
The next warning will be issued at about 10:30am Monday.

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Latest River Heights:
Cornish Ck at Bowen Downs *       2.95m steady         08:00 AM SUN 26/12/10
Thomson R at Longreach auto *     2.83m steady         09:00 AM SUN 26/12/10
Darr R at Darr Auto *             2.32m steady         09:00 AM SUN 26/12/10
Thomson R at Bogewong             NA
Thomson R Stonehenge (West) Auto* 3.2m steady          08:00 AM SUN 26/12/10
Thomson R Stonehenge (East)       1.9m rising          07:30 AM SUN 26/12/10
Thomson R at Jundah               NA
Barcoo R at Blackall *            2.69m rising         09:00 AM SUN 26/12/10
Barcoo R at Coolagh               4.7m falling         09:00 AM SUN 26/12/10
Jordan R at Glencoe               2.2m falling slowly  09:00 AM SUN 26/12/10
Jordan R at Jericho               NA
Alice R at Barcaldine Weir Auto*  1.54m steady         08:00 AM SUN 26/12/10
Barcoo R at Isisford              5.98m falling slowly 06:00 AM SUN 26/12/10
Barcoo R at Oma                   NA
Barcoo R at Wahroongha            4.6m rising          06:00 AM SUN 26/12/10
Barcoo R at Glenlock              5m rising            05:30 AM SUN 26/12/10
Barcoo R at Retreat Auto *        5.03m steady         08:00 AM SUN 26/12/10
Cooper Ck at Windorah             4.55m falling        06:00 AM SUN 26/12/10
Cooper Ck at Durham Downs         NA

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
Issued at 10:45 AM on Monday the 27th of December 2010
by the Bureau of Meteorology, Brisbane.


Locally moderate to heavy rainfall of up to 140mm has been recorded in the upper
Thomson and Alice River catchments in the 24 hours to 9am Monday. Renewed river
level rises are expected downstream to Longreach during this week and are
occurring in the Barcaldine area causing minor flooding.

Minor to moderate flooding is occurring in the Jordan, lower Thomson and in the
Barcoo River through to Isisford, with major flooding being recorded downstream
at Retreat. Moderate flooding is occurring at Windorah on the Cooper Creek with
a return to major flood levels expected later this week.

JORDAN/ALICE RIVER:
Minor flooding is rising slowly in the Jordan River at Glencoe, with rises
expected downstream at Jericho and the Capricorn Highway during this week. Minor
flooding is rising at Barcaldine Weir as a result of local overnight rainfalls
of about 115mm.

BARCOO RIVER:
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Moderate flooding continues along the Barcoo River with the flood peak approaching the Glenlock area. Major flood levels continue to rise in the Retreat area with further rises to about the 7 metre level likely during the next few days.

COOPER CREEK:
Moderate flooding continues to ease in the Cooper Creek at Windorah with a return to major flood levels expected later this week. At 6am Monday the creek level was 4.45 metres, which was about 0.15 metres above the level of the approaches to the Diamantina Development Road. Moderate flood levels continue to rise downstream at Durham Downs with further rises likely as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Scattered showers, rain areas and isolated thunderstorms, with some possible moderate to locally heavy falls in the north.

Next Issue:
The next warning will be issued at about 10:30am Tuesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.08m rising	08:00 PM SUN 26/12/10
Thomson R at Longreach auto *	2.58m falling	08:00 AM MON 27/12/10
Darr R at Darr Auto *	3.19m falling	08:00 AM MON 27/12/10
Thomson R Stonehenge (West) Auto*	3.41m steady	08:00 AM MON 27/12/10
Barcoo R at Gillespie	4.05m rising	09:00 AM MON 27/12/10
Barcoo R at Blackall *	3.49m rising	08:00 AM MON 27/12/10
Barcoo R at Coolagh	4.7m steady	08:00 AM MON 27/12/10
Jordan R at Glencoe	2.15m rising slowly	09:00 AM MON 27/12/10
Alice R at Barcaldine Weir Auto*	1.51m rising	08:00 AM MON 27/12/10
Barcoo R at Isisford	5.62m falling slowly	06:00 AM MON 27/12/10
Barcoo R at Oma	5.32m falling	06:30 AM MON 27/12/10
Barcoo R at Wahroongha	4.5m falling slowly	06:00 AM MON 27/12/10
Barcoo R at Glenlock	5.35m rising slowly	05:30 AM MON 27/12/10
Barcoo R at Retreat Auto *	5.8m rising	08:00 AM MON 27/12/10
Cooper Ck at Windorah	4.45m falling slowly	06:00 AM MON 27/12/10
Cooper Ck at Durham Downs	2.91m rising slowly	09:00 AM MON 27/12/10

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
Issued at 12:02 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

The Jordan River at Jericho is expected to rise above the major flood level of 3 metres tonight.

Locally moderate to heavy rainfall of up to 140mm has been recorded in the upper Thomson and Alice River catchments in the 24 hours to 9am Monday. Renewed river level rises are expected downstream to Longreach during this week and are occurring in the Barcaldine area causing minor flooding.

Minor to moderate flooding is occurring in the lower Thomson and in the Barcoo River through to Isisford, with major flooding being recorded downstream at Retreat. Moderate flooding is occurring at Windorah on the Cooper Creek with a return to major flood levels expected later this week.

JORDAN/ALICE RIVER:
The Jordan River at Jericho is expected to rise above the major flood level of 3 metres tonight. Glencoe reported a peak of 3.5 metres at 8pm Monday night.

Minor flooding is rising at Barcaldine Weir as a result of Sunday night rainfalls of about 115mm.

BARCOO RIVER:
Moderate flooding continues along the Barcoo River with the flood peak approaching the Glenlock area. Major flood levels continue to rise in the Retreat area with further rises to about the 7 metre level likely during the next few days.

COOPER CREEK:
Moderate flooding continues to ease in the Cooper Creek at Windorah with a return to major flood levels expected later this week. At 6am Monday the creek level was 4.45 metres, which was about 0.15 metres above the level of the approaches to the Diamantina Development Road. Moderate flood levels continue to rise downstream at Durham Downs with further rises likely as upstream floodwaters from the Windorah area arrive.

Next Issue:
The next warning will be issued at about 10:30am Tuesday.

Latest River Heights:

Thomson R at Camoola Park	2.5m rising slowly	07:00 PM MON 27/12/10
Thomson R at Longreach auto *	2.17m falling	10:00 PM MON 27/12/10
Darr R at Darr Auto *	2.66m falling	10:00 PM MON 27/12/10
Thomson R Stonehenge (West) Auto*	3.49m steady	08:00 PM MON 27/12/10
Barcoo R at Gillespie	5.5m rising slowly	03:00 PM MON 27/12/10
Barcoo R at Blackall *	3.75m rising	10:00 PM MON 27/12/10
Barcoo R at Coolagh	4.7m steady	06:00 PM MON 27/12/10
Jordan R at Glencoe	3.45m steady	10:00 PM MON 27/12/10
Alice R at Barcaldine Weir Auto*	2.11m rising	08:00 PM MON 27/12/10
Barcoo R at Isisford	5.44m falling slowly	06:00 PM MON 27/12/10
Barcoo R at Oma	5.19m falling slowly	06:00 PM MON 27/12/10
Barcoo R at Wahroongha	4.35m falling	03:00 PM MON 27/12/10
Barcoo R at Glenlock	5.4m rising slowly	03:00 PM MON 27/12/10
Barcoo R at Retreat Auto *	6.36m rising	08:00 PM MON 27/12/10
Cooper Ck at Windorah	4.42m falling slowly	03:00 PM MON 27/12/10
Cooper Ck at Durham Downs	2.91m rising slowly	09:00 AM MON 27/12/10

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
Issued at 10:17 AM on Tuesday the 28th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring in the Jordan River at Glencoe and Jericho, with major flooding expected downstream at Blackall and at Barcaldine within the next few days. Renewed rises and major flooding is expected downstream along the Barcoo River to Isisford within the next few days.

River rises and minor flooding is occurring in the Thomson River at Camoola Park, with rises expected downstream to Longreach during this week.

Moderate to major flooding continues along the lower Barcoo River through to Retreat. Moderate flooding is occurring at Windorah on the Cooper Creek with a return to major flood levels expected later this week.

JORDAN/ALICE RIVER:
Major flooding is occurring in the Jordan River at Glencoe and Jericho. River rises and moderate flooding is occurring downstream in the Alice River at Barcaldine Weir, where further rises and major flooding is expected within 24 hours.

BARCOO RIVER:
Minor flooding is rising in the upper Barcoo River between Gillespie and Blackall, with moderate flood levels expected at Blackall during this week.

Renewed river rises and major flooding is expected downstream along the lower Barcoo River through to Isisford within the next few days. Moderate to major flooding continues to rise further downstream at Glenlock and Retreat. At 8am Tuesday the river level at Retreat was 6.84 metres, which is about 4.6 metres above the level of the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding has commenced to rise in the Cooper Creek at Windorah with a return to major flood levels expected later this week. At 6am Tuesday the creek level was 4.45 metres, which was about 0.15 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding continues downstream at Durham Downs with renewed rises and moderate flooding in the next few weeks as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Scattered showers, mostly in northeast parts. Isolated thunderstorms during the afternoon and evening.

Next Issue:
The next warning will be issued at about 10:30am Wednesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	3.79m rising	08:00 AM TUE 28/12/10
Landsborough R at Muttaburra	3.55m rising	09:00 AM TUE 28/12/10
Thomson R at Camoola Park	3.05m rising slowly	06:00 AM TUE 28/12/10

Thomson R at Longreach auto *	1.98m steady	09:00 AM TUE 28/12/10
Darr R at Darr Auto *	2.47m falling	08:00 AM TUE 28/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.55m steady	04:00 AM TUE 28/12/10
Thomson R at Jundah	NA	
Barcoo R at Gillespie	6.1m rising slowly	06:00 AM TUE 28/12/10
Barcoo R at Duneira	NA	
Barcoo R at Blackall *	4.09m rising	09:00 AM TUE 28/12/10
Barcoo R at Coolagh	4.7m steady	06:00 AM TUE 28/12/10
Jordan R at Glencoe	2.8m falling	09:00 AM TUE 28/12/10
Jordan R at Jericho	NA	
Alice R at Barcaldine Weir Auto*	2.76m rising	08:00 AM TUE 28/12/10
Barcoo R at Isisford	5.41m steady	06:00 AM TUE 28/12/10
Barcoo R at Oma	5.06m falling slowly	06:00 AM TUE 28/12/10
Barcoo R at Wahroongha	4.1m falling	06:00 AM TUE 28/12/10
Barcoo R at Glenlock	5.45m rising slowly	05:30 AM TUE 28/12/10
Barcoo R at Retreat Auto *	6.84m rising	08:00 AM TUE 28/12/10
Cooper Ck at Windorah	4.45m rising slowly	06:00 AM TUE 28/12/10
Cooper Ck at Durham Downs	2.91m at peak	06:00 AM TUE 28/12/10
Cooper Ck at Nappa Merrie	NA	

* denotes automatic station.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO
JERICHO
Issued at 10:37 AM on Wednesday the 29th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring in the Alice River at Barcaldine, with minor
flooding occurring in the upper Barcoo River at Blackall. Renewed rises and
major flooding is expected downstream along the Barcoo River to Retreat during
this week and into next week.

River rises and moderate flooding is occurring in the Thomson River at Camoola
Park, with rises and moderate flooding expected to extend downstream to
Longreach later this week.

Moderate to major flooding continues along the lower Barcoo River through to
Retreat. Moderate flooding is rising at Windorah on the Cooper Creek with a
return to major flood levels expected later this week.

JORDAN/ALICE RIVER:
River levels are falling in the Jordan River at Glencoe and Jericho. Major
flooding is occuring in the Alice River at Barcaldine where levels remain near a
peak of 3.14 metres.

BARCOO RIVER:
Minor flooding remains near a peak in the upper Barcoo River at Blackall. River rises and moderate flooding is rising downstream along the lower Barcoo River between Coolagh and Oma with major flooding expected this week. Moderate to major flooding continues between Wahroongah and Retreat. At 8am Wednesday, the river level at Retreat was 7.36 metres and rising, which is about 5.16 metres above the level of the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding is rising in the Cooper Creek at Windorah with a return to major flood levels expected in the next few days. At 6am Tuesday the creek level was 4.63 metres, which was about 0.33 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding continues downstream at Durham Downs with renewed rises and moderate flooding expected in the next few weeks as upstream floodwaters from the Windorah area arrive.

Next Issue:
The next warning will be issued at about 10:30am Thursday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.16m steady	08:00 AM WED 29/12/10
Thomson R at Camoola Park	4m rising slowly	06:00 AM WED 29/12/10
Thomson R at Longreach auto *	2.14m rising	08:00 AM WED 29/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	3.8m rising	04:00 AM WED 29/12/10
Thomson R Stonehenge (East)	2.6m rising	07:45 AM WED 29/12/10
Thomson R at Jundah	2.55m rising slowly	06:00 AM WED 29/12/10
Barcoo R at Gillespie	6m falling slowly	06:00 AM WED 29/12/10
Barcoo R at Duneira	2.3m steady	07:00 AM WED 29/12/10
Barcoo R at Blackall *	4.47m steady	08:00 AM WED 29/12/10
Barcoo R at Coolagh	5.5m rising slowly	06:00 AM WED 29/12/10
Jordan R at Glencoe	2.3m falling slowly	09:00 AM WED 29/12/10
Jordan R at Jericho	NA	
Alice R at Barcaldine Weir Auto*	3.13m falling	08:00 AM WED 29/12/10
Barcoo R at Isisford	5.85m rising slowly	06:00 AM WED 29/12/10
Barcoo R at Oma	5.39m rising	06:00 AM WED 29/12/10
Barcoo R at Wahroongha	3.85m falling	06:00 AM WED 29/12/10
Barcoo R at Glenlock	5.35m falling slowly	05:30 AM WED 29/12/10
Barcoo R at Retreat Auto *	7.36m rising	08:00 AM WED 29/12/10
Cooper Ck at Windorah	4.63m rising	06:00 AM WED 29/12/10
Cooper Ck at Durham Downs	2.89m falling slowly	07:00 AM WED 29/12/10
Cooper Ck at Nappa Merrie	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
Issued at 10:18 AM on Thursday the 30th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is occurring in the Alice River at Barcaldine, with minor flooding easing in the upper Barcoo River at Blackall. Renewed rises and major flooding is expected downstream along the Barcoo River to Retreat during this week and into next week.

Moderate flooding is occurring in the Thomson River at Camoola Park, with rises and minor to moderate flooding expected to develop downstream to Longreach during today and Friday. Minor to moderate flooding is rising downstream along the Thomson River between Stonehenge and Jundah.

Moderate to major flooding continues along the lower Barcoo River through to Retreat. Moderate flooding is rising at Windorah on the Cooper Creek with a return to major flood levels in the next few days.

JORDAN/ALICE RIVER:
Minor flooding is easing in the Jordan River at Glencoe and Jericho. Moderate flooding continues in the Alice River at Barcaldine where the level peaked at 3.14 metres on Wednesday and is now falling.

BARCOO RIVER:
Minor flooding is easing in the upper Barcoo River. River rises and major flooding is occurring along the lower Barcoo River between Coolagh and Isisford where levels should peak in the next few days. Moderate to major flooding continues between Oma and Retreat, with further rises expected into next week. At 8am Thursday, the river level at Retreat was 7.26 metres, which is about 5.1 metres above the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding is rising in the Cooper Creek at Windorah with a return to major flood levels expected in the next few days. At 6am Thursday the creek level was 4.8 metres, which was about 0.50 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding is easing downstream at Durham Downs however renewed rises and moderate flooding is expected later next week as upstream floodwaters from the Windorah area arrive.

Next Issue:
The next warning will be issued at about 10:30am Friday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.6m rising	08:00 AM THU 30/12/10
Landsborough R at Muttaburra	4.45m rising slowly	09:00 AM THU 30/12/10
Thomson R at Camoola Park	4m falling slowly	06:00 AM THU 30/12/10
Thomson R at Longreach auto *	2.56m rising	08:00 AM THU 30/12/10
Darr R at Darr Auto *	2.3m steady	08:00 AM THU 30/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	4.1m steady	04:00 AM THU 30/12/10
Thomson R Stonehenge (East)	2.95m rising	06:45 AM THU 30/12/10
Thomson R at Jundah	2.9m rising slowly	06:00 AM THU 30/12/10
Barcoo R at Gillespie	4.6m falling	06:00 AM THU 30/12/10
Barcoo R at Duneira	2.15m falling	07:00 AM THU 30/12/10
Barcoo R at Blackall *	4.47m falling	08:00 AM THU 30/12/10
Barcoo R at Coolagh	6.3m rising	07:00 AM THU 30/12/10
Jordan R at Glencoe	2.1m falling slowly	09:00 AM THU 30/12/10
Jordan R at Jericho	NA	
Alice R at Barcaldine Weir Auto*	2.87m falling	08:00 AM THU 30/12/10
Barcoo R at Isisford	6.08m rising slowly	06:00 AM THU 30/12/10

Barcoo R at Oma	5.55m steady	06:00 AM THU 30/12/10
Barcoo R at Wahroongha	4.1m rising slowly	06:00 AM THU 30/12/10
Barcoo R at Glenlock	5.05m falling	05:30 AM THU 30/12/10
Barcoo R at Retreat Auto *	7.26m falling	08:00 AM THU 30/12/10
Cooper Ck at Windorah	4.8m rising	06:00 AM THU 30/12/10
Cooper Ck at Durham Downs	2.88m falling slowly	07:00 AM THU 30/12/10
Cooper Ck at Nappa Merrie	NA	

* From automatic stations.

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 11:27 AM on Friday the 31st of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flooding is occurring in the Thomson River between Camoola Park and Longreach, with minor to moderate flooding rising downstream between Stonehenge and Jundah.

Moderate flooding continues in the Alice River at Barcaldine. Renewed rises and major flooding is extending downstream along the Barcoo River to Oma, with rises to develop at Retreat during next week.

Moderate flooding is rising at Windorah on the Cooper Creek with a return to major flood levels likely in the coming days.

THOMSON RIVER:
Minor flooding is easing in the Thomson River at Camoola Park, with rises and moderate flooding occurring downstream at Longreach. Minor to moderate flooding is rising downstream between Stonehenge and Jundah.

BARCOO RIVER:
Moderate flooding continues in the Alice River at Barcaldine. Minor flooding is easing in the upper Barcoo River at Blackall.

River rises and major flooding is occurring along the lower Barcoo River between Coolagh and Oma where levels should peak in the next few days. Moderate to major flooding continues between Wahroongha and Retreat, with further rises expected into next week. At 9am Thursday, the river level at Retreat was 6.48 metres, which is about 4.3 metres above the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding is rising in the Cooper Creek at Windorah with a return to major flood levels expected in the next few days. At 3pm Thursday the creek level was 4.84 metres, which was about 0.54 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding is easing

downstream at Durham Downs however renewed rises and moderate flooding is expected later next week as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Isolated afternoon showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10:30am Saturday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.77m steady	10:00 AM FRI 31/12/10
Landsborough R at Muttaburra	4.7m rising slowly	09:00 AM FRI 31/12/10
Thomson R at Camoola Park	3.9m falling slowly	06:00 AM FRI 31/12/10
Thomson R at Longreach auto *	4.42m rising	10:00 AM FRI 31/12/10
Darr R at Darr Auto *	2.27m steady	10:00 AM FRI 31/12/10
Thomson R at Bogewong	NA	
Thomson R Stonehenge (West) Auto*	4.2m steady	08:00 AM FRI 31/12/10
Thomson R at Jundah	3.4m rising	06:00 AM FRI 31/12/10
Barcoo R at Blackall *	3.87m falling	10:00 AM FRI 31/12/10
Barcoo R at Coolagh	NA	
Alice R at Barcaldine Weir Auto*	2.8m steady	08:00 AM FRI 31/12/10
Barcoo R at Isisford	6.76m rising	06:00 AM FRI 31/12/10
Barcoo R at Oma	6.05m rising	06:00 AM FRI 31/12/10
Barcoo R at Wahroongha	4.3m rising slowly	06:00 AM FRI 31/12/10
Barcoo R at Glenlock	4.95m falling slowly	05:30 AM FRI 31/12/10
Barcoo R at Retreat Auto *	6.48m falling	09:00 AM FRI 31/12/10
Cooper Ck at Windorah	4.84m rising slowly	03:00 PM THU 30/12/10
Cooper Ck at Durham Downs	2.88m steady	06:00 AM FRI 31/12/10
Cooper Ck at Nappa Merrie	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 10:16 AM on Saturday the 1st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Thomson River between Camoola Park and Jundah.

Moderate flooding continues in the Alice River at the Barcaldine Weir. Renewed rises and major flooding is extending downstream along the Barcoo River to Oma, with rises to develop at Retreat during next week.

Moderate flooding is rising at Windorah on the Cooper Creek with a return to major flood levels likely in the coming days.

THOMSON RIVER:
Minor flooding is easing in the Thomson River at Camoola Park, with a moderate flood peak expected at Longreach during Saturday. Minor to moderate flooding continues downstream between Stonehenge and Jundah.

BARCOO RIVER:
Moderate flooding continues in the Alice River at the Barcaldine. Minor flooding is easing in the upper Barcoo River at Blackall.

Major flooding is occurring along the lower Barcoo River between Coolagh and Oma. River levels have peaked at Coolagh with a peak expected in the next few days at Isisford and Oma. Moderate to major flooding continues between Wahroongha and Retreat, with further rises expected during next week. At 8am Saturday, the river level at Retreat was 5.95 metres, which is about 3.75 metres above the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding is rising in the Cooper Creek at Windorah with a return to major flood levels expected in the next few days. At 6am Saturday the creek level was 4.92 metres, which was about 0.62 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding is easing downstream at Durham Downs however renewed rises and moderate flooding is expected later next week as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Isolated afternoon showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10:30am Sunday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.74m	steady	08:00 AM SAT 01/01/11
Landsborough R at Muttaburra	4.65m	falling slowly	05:00 PM FRI 31/12/10
Thomson R at Camoola Park	3.85m	steady	06:00 AM SAT 01/01/11
Thomson R at Longreach auto *	4.62m	steady	08:00 AM SAT 01/01/11
Darr R at Darr Auto *	2.25m	steady	08:00 AM SAT 01/01/11
Thomson R Stonehenge (West) Auto*	4.06m	steady	06:00 AM SAT 01/01/11
Thomson R at Jundah	3.90m	rising slowly	07:00 AM SAT 01/01/11
Barcoo R at Blackall *	3.24m	falling	08:00 AM SAT 01/01/11
Barcoo R at Coolagh	6.20m	falling slowly	07:00 PM FRI 31/12/10
Alice R at Barcaldine Weir Auto*	2.68m	falling	08:00 AM SAT 01/01/11
Barcoo R at Isisford	6.97m	steady	06:00 AM SAT 01/01/11
Barcoo R at Oma	6.39m	rising slowly	06:00 AM SAT 01/01/11
Barcoo R at Wahroongha	4.65m	rising	06:00 AM SAT 01/01/11
Barcoo R at Glenlock	5.10m	rising	05:30 AM SAT 01/01/11
Barcoo R at Retreat Auto *	5.95m	steady	08:00 AM SAT 01/01/11
Cooper Ck at Windorah	4.92m	steady	06:00 AM SAT 01/01/11
Cooper Ck at Durham Downs	2.86m	falling slowly	06:00 AM SAT 01/01/11

* from automatic station

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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:58 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Thomson River between Muttaburra and Jundah.

Minor flooding continues in the Alice River at the Barcaldine Weir. Moderate to major flooding is extending downstream along the Barcoo River to the Retreat area.

Moderate flooding is rising at Windorah on the Cooper Creek with a return to major flood levels likely in the coming days.

THOMSON RIVER:
Minor flooding is easing in the Thomson River at Camoola Park, with a moderate flood peak of about 4.6 metres recorded at Longreach during Saturday. Minor to moderate flooding continues downstream between Stonehenge and Jundah.

BARCOO RIVER:
Minor flooding continues in the Alice River at Barcaldine. Moderate to major flooding is occurring along the lower Barcoo River between Coolagh and Retreat with the flood peak approaching the Wahroongha area. Further rises are expected downstream to the Retreat area during this week. At 8am Sunday, the river level at Retreat was 6.2 metres, which is about 4 metres above the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding remains steady in the Cooper Creek at Windorah with a return to major flood levels expected in the next few days. At 6am Saturday the creek level was 4.92 metres, which was about 0.62 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding is easing downstream at Durham Downs however moderate flooding is expected continue into next week as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Isolated afternoon or evening showers and thunderstorms.

Next Issue:
The next warning will be issued at about 10:30am Monday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.75m steady	08:00 AM SUN 02/01/11
Landsborough R at Muttaburra	4.15m falling slowly	08:00 AM SUN 02/01/11
Thomson R at Camoola Park	3.75m falling slowly	06:00 AM SUN 02/01/11
Thomson R at Longreach auto *	4.58m steady	08:00 AM SUN 02/01/11
Darr R at Darr Auto *	2.24m steady	08:00 AM SUN 02/01/11
Thomson R Stonehenge (West) Auto*	3.94m steady	08:00 PM SAT 01/01/11
Thomson R Stonehenge (East)	2.6m steady	08:15 AM SUN 02/01/11
Thomson R at Jundah	4.05m rising slowly	06:00 AM SUN 02/01/11
Barcoo R at Blackall *	2.44m falling	08:00 AM SUN 02/01/11
Barcoo R at Coolagh	5.2m falling	09:00 AM SUN 02/01/11
Alice R at Barcaldine Weir Auto*	1.96m falling	08:00 AM SUN 02/01/11
Barcoo R at Isisford	6.81m falling slowly	06:00 AM SUN 02/01/11

Barcoo R at Oma	6.38m falling slowly	06:00 AM SUN 02/01/11
Barcoo R at Wahroongha	4.95m rising	06:00 AM SUN 02/01/11
Barcoo R at Glenlock	5.2m rising slowly	04:00 AM SUN 02/01/11
Barcoo R at Retreat Auto *	6.2m rising	08:00 AM SUN 02/01/11
Cooper Ck at Windorah	4.92m steady	06:00 AM SUN 02/01/11
Cooper Ck at Durham Downs	2.86m falling slowly	06:00 AM SUN 02/01/11

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 10:49 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Thomson River between Muttaburra and Jundah. Moderate to major flooding is extending downstream along the Barcoo River to the Retreat area. Moderate flooding is rising at Windorah on the Cooper Creek with a return to major flood levels likely in the coming days.

THOMSON RIVER:
Minor to mdoerate flooding continues to ease in the Thomson River between Muttaburra and Longreach. Minor to moderate flooding continues downstream between Stonehenge and Jundah.

BARCOO RIVER:
Moderate to major flooding is occurring along the lower Barcoo River between Isisford and Retreat with the flood peak approaching the Glenlock area. Further rises are expected downstream to the Retreat area during this week. At 8am Monday, the river level at Retreat was 6.62 metres, which is about 4.4 metres above the Barcoo River Causeway.

COOPER CREEK:
Moderate flooding is rising slowly in the Cooper Creek at Windorah with a return to major flood levels expected in the next few days. At 6am Monday the creek level was 4.95 metres, which was about 0.65 metres above the level of the approaches to the Diamantina Development Road. River levels are easing downstream at Durham Downs however moderate flooding is expected continue during this week as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Isolated afternoon or evening showers and thunderstorms.

Next Issue:
The next warning will be issued at about 11am Tuesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.75m	steady	08:00 AM MON 03/01/11
Landsborough R at Muttaburra	4.05m	falling slowly	05:00 PM SUN 02/01/11
Thomson R at Longreach auto *	4.54m	steady	08:00 AM MON 03/01/11
Darr R at Darr Auto *	2.22m	steady	08:00 AM MON 03/01/11
Thomson R Stonehenge (West) Auto*	3.69m	steady	08:00 AM MON 03/01/11
Thomson R at Jundah	4.00m	steady	06:00 AM MON 03/01/11
Barcoo R at Blackall *	2.17m	steady	08:00 AM MON 03/01/11
Barcoo R at Coolagh	4.60m	falling	06:30 AM MON 03/01/11
Alice R at Barcaldine Weir Auto*	1.47m	falling	08:00 AM MON 03/01/11
Barcoo R at Isisford	6.29m	falling	06:00 AM MON 03/01/11
Barcoo R at Oma	6.11m	falling slowly	06:00 AM MON 03/01/11
Barcoo R at Wahroongha	4.90m	falling slowly	05:30 AM MON 03/01/11
Barcoo R at Glenlock	5.45m	rising	05:30 AM MON 03/01/11
Barcoo R at Retreat Auto *	6.62m	rising	08:00 AM MON 03/01/11
Cooper Ck at Windorah	4.95m	rising slowly	06:00 AM MON 03/01/11
Cooper Ck at Durham Downs	2.85m	falling slowly	07:00 AM MON 03/01/11

* from automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 10:58 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Thomson River between Muttaburra and Jundah. Moderate to major flooding is extending downstream along the Barcoo River to the Retreat area. Major flooding is rising at Windorah on the Cooper Creek.

THOMSON RIVER:
Minor to mdoerate flooding continues to ease in the Thomson River between Muttaburra and Longreach. Minor flooding continues downstream between Stonehenge and Jundah.

BARCOO RIVER:
Moderate to major flooding is occurring along the lower Barcoo River between Isisford and Retreat with the flood peak approaching the Glenlock area. Further rises are expected downstream to the Retreat area during this week. At 8am Tuesday, the river level at Retreat was 7.28 metres, which is about 5 metres above the Barcoo River Causeway.

COOPER CREEK:
Major flooding is rising slowly in the Cooper Creek at Windorah. At 6am Tuesday the creek level was 5.08 metres, which was about 0.8 metres above the level of the approaches to the Diamantina Development Road. River levels are easing

downstream at Durham Downs however moderate flooding is expected continue during this week as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Isolated afternoon or evening showers and thunderstorms.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Cornish Ck at Bowen Downs *	4.68m steady	08:00 AM TUE 04/01/11
Landsborough R at Muttaburra	4m steady	06:30 PM MON 03/01/11
Thomson R at Camoola Park	3.45m falling slowly	06:00 AM TUE 04/01/11
Thomson R at Longreach auto *	4.47m steady	09:00 AM TUE 04/01/11
Darr R at Darr Auto *	2.21m steady	09:00 AM TUE 04/01/11
Thomson R Stonehenge (West) Auto*	3.55m steady	08:00 AM TUE 04/01/11
Thomson R at Jundah	3.75m falling	06:30 AM TUE 04/01/11
Barcoo R at Blackall *	2m steady	09:00 AM TUE 04/01/11
Barcoo R at Coolagh	4.05m falling	06:00 AM TUE 04/01/11
Alice R at Barcaldine Weir Auto*	1.18m falling	08:00 AM TUE 04/01/11
Barcoo R at Isisford	5.69m falling	06:00 AM TUE 04/01/11
Barcoo R at Oma	5.52m falling	06:00 AM TUE 04/01/11
Barcoo R at Wahroongha	4.65m falling	06:00 AM TUE 04/01/11
Barcoo R at Glenlock	5.65m rising slowly	05:30 AM TUE 04/01/11
Barcoo R at Retreat Auto *	7.28m rising	08:00 AM TUE 04/01/11
Cooper Ck at Windorah	5.08m rising	06:00 AM TUE 04/01/11
Cooper Ck at Durham Downs	2.85m steady	06:00 AM TUE 04/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 11:00 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Thomson River between Muttaburra and Jundah. Moderate to major flooding is extending downstream along the Barcoo River to the Retreat area. Major flooding is rising at Windorah on the Cooper Creek.

THOMSON RIVER:
Minor to moderate flooding continues to ease in the Thomson River between Muttaburra and Longreach. Minor flooding continues downstream between Stonehenge and Jundah.

BARCOO RIVER:

Moderate to major flooding is occurring along the lower Barcoo River between Isisford and Retreat with the flood peak approaching the Glenlock area. Further rises are expected downstream to the Retreat area during this week. At 8pm Tuesday, the river level at Retreat was 7.61 metres, which is about 5.9 metres above the Barcoo River Causeway.

COOPER CREEK:
Major flooding is rising slowly in the Cooper Creek at Windorah. At 6am Wednesday the creek level was 5.17 metres, which was about 0.9 metres above the level of the approaches to the Diamantina Development Road. River levels are easing downstream at Durham Downs however moderate flooding is expected continue during this week as upstream floodwaters from the Windorah area arrive.

Weather Forecast:
Isolated afternoon or evening showers and thunderstorms.

Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Landsborough R at Muttaburra	3.85m falling slowly	09:00 AM WED 05/01/11
Thomson R at Camoola Park	3.3m falling slowly	06:00 AM WED 05/01/11
Thomson R at Longreach auto *	4.35m steady	09:00 AM WED 05/01/11
Darr R at Darr Auto *	2.2m steady	08:00 AM WED 05/01/11
Thomson R Stonehenge (West) Auto*	3.42m steady	08:00 AM WED 05/01/11
Thomson R Stonehenge (East)	2.25m steady	07:00 AM WED 05/01/11
Thomson R at Jundah	3.45m falling	06:00 AM WED 05/01/11
Barcoo R at Blackall *	1.9m steady	09:00 AM WED 05/01/11
Barcoo R at Coolagh	3m steady	07:30 AM WED 05/01/11
Alice R at Barcaldine Weir Auto*	0.96m falling	08:00 AM WED 05/01/11
Barcoo R at Isisford	5.18m falling	06:00 AM WED 05/01/11
Barcoo R at Oma	5.01m falling	06:00 AM WED 05/01/11
Barcoo R at Wahroongha	4.15m falling	06:00 AM WED 05/01/11
Barcoo R at Glenlock	5.7m steady	05:00 AM WED 05/01/11
Barcoo R at Retreat Auto *	7.61m rising	08:00 PM TUE 04/01/11
Cooper Ck at Windorah	5.17m rising slowly	06:00 AM WED 05/01/11

* from automatic station

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 9:57 AM on Thursday the 6th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the Thomson River between Muttaburra and Jundah. Minor to moderate flooding continues on the Barcoo River between

Isisford and Glenlock increasing to major flooding in the Retreat area. Major flooding is rising at Windorah on the Cooper Creek.

THOMSON RIVER:
Minor to moderate flooding continues to ease in the Thomson River between Muttaburra and Longreach. Minor flooding continues downstream between Stonehenge and Jundah.

BARCOO RIVER:
Minor to moderate flooding is easing on the Barcoo River between Isisford and Glenlock. Major flooding continues at Retreat. The flood peak is currently in the Retreat area and water levels should commence easing Friday. At 8pm Thursday, the river level at Retreat was 8.28 metres, which is about 6.08 metres above the Barcoo River Causeway.

COOPER CREEK:
Major flooding is rising slowly in the Cooper Creek at Windorah. At 6am Thursday the creek level was 5.2 metres, which was about 0.9 metres above the level of the approaches to the Diamantina Development Road. Moderate flooding is expected to continue downstream at Durham Downs into next week.

Weather Forecast:
Isolated showers and thunderstorms in the northeast.

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:

Landsborough R at Muttaburra	3.84m falling slowly	09:00 AM THU 06/01/11
Thomson R at Camoola Park	3.15m falling slowly	06:00 AM THU 06/01/11
Thomson R at Longreach auto *	4.21m falling	08:00 AM THU 06/01/11
Darr R at Darr Auto *	2.19m steady	08:00 AM THU 06/01/11
Thomson R Stonehenge (West) Auto*	3.33m steady	12:00 AM THU 06/01/11
Thomson R at Jundah	3.05m falling	07:00 AM THU 06/01/11
Barcoo R at Blackall *	1.86m steady	08:00 AM THU 06/01/11
Alice R at Barcaldine Weir Auto*	0.76m falling	08:00 AM THU 06/01/11
Barcoo R at Isisford	4.6m falling	06:00 AM THU 06/01/11
Barcoo R at Oma	4.55m falling	06:00 AM THU 06/01/11
Barcoo R at Wahroongha	3.65m falling	06:00 AM THU 06/01/11
Barcoo R at Glenlock	5.5m falling	05:30 AM THU 06/01/11
Barcoo R at Retreat Auto *	8.28m rising	08:00 AM THU 06/01/11
Cooper Ck at Windorah	5.2m rising slowly	06:00 AM THU 06/01/11

* denotes automatic station.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
Issued at 11:40 AM on Friday the 7th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues in the Thomson River between Muttaburra and Jundah. Minor to moderate flooding is easing on the Barcoo River between Isisford and Glenlock. Major flooding has now peaked on the Barcoo River at Retreat. Major flooding is rising slowly on the Cooper Creek at Windorah.

THOMSON RIVER:
Minor flooding is currently easing in the Thomson River between Muttaburra and Jundah. Renewed small rises are expected during next week but river levels are not expected to exceed the minor flood level.

BARCOO RIVER:
Minor to moderate flooding continues to ease on the Barcoo River between Isisford and Glenlock. Major flooding continues at Retreat. The flood peak is currently in the Retreat area and water levels should fall below major later in the weekend. At 9am Friday, the river level at Retreat was 8.03 metres, which is about 5.83 metres above the Barcoo River Causeway.

COOPER CREEK:
Major flooding is rising slowly in the Cooper Creek at Windorah. At 6am Friday the creek level was 5.22 metres, which was about 0.92 metres above the level of the approaches to the Diamantina Development Road. River levels at Windorah are expected to peak in the next 1 to 2 days.

Moderate flooding is expected to continue downstream at Durham Downs into next week.

Next Issue:
The next warning will be issued at about 11am Saturday.

Latest River Heights:

Thomson R at Camoola Park	3.05m falling slowly	06:00 AM FRI 07/01/11
Thomson R at Longreach auto *	4.05m steady	09:00 AM FRI 07/01/11
Darr R at Darr Auto *	2.18m steady	08:00 AM FRI 07/01/11
Thomson R Stonehenge (West) Auto*	3.27m steady	08:00 AM FRI 07/01/11
Thomson R at Jundah	2.8m falling	06:00 AM FRI 07/01/11
Barcoo R at Isisford	4.14m falling	06:00 AM FRI 07/01/11
Barcoo R at Oma	4.08m falling	06:00 AM FRI 07/01/11
Barcoo R at Wahroongha	3.25m falling	06:00 AM FRI 07/01/11
Barcoo R at Glenlock	5.05m falling	05:30 AM FRI 07/01/11
Barcoo R at Retreat Auto *	8.03m falling	09:00 AM FRI 07/01/11
Cooper Ck at Windorah	5.22m rising slowly	06:00 AM FRI 07/01/11
Cooper Ck at Durham Downs	2.82m steady	05:30 AM FRI 07/01/11

* denotes automatic station.

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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COOPER CREEK
Issued at 10:38 AM on Saturday the 8th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is rising along the Cooper Creek at Windorah. Minor flooding continues to ease in the Thomson River between Camoola Park and Jundah. Minor to major flooding will continue to fall along the Barcoo River between Glenlock and Retreat.

Major flooding continues in the Cooper Creek at Windorah. At 6am Saturday the creek level was 5.2 metres, which was about 0.9 metres above the level of the approaches to the Diamantina Development Road. River levels at Windorah are expected to fall slowly through Sunday and next week.

Moderate flooding is expected to continue downstream at Durham Downs for at least 7 days.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Thomson R at Camoola Park	2.95m falling slowly	06:00 AM SAT 08/01/11
Thomson R at Longreach auto *	3.89m steady	09:00 AM SAT 08/01/11
Darr R at Darr Auto *	2.17m steady	09:00 AM SAT 08/01/11
Thomson R Stonehenge (West) Auto*	3.57m rising	08:00 AM SAT 08/01/11
Thomson R Stonehenge (East)	2.45m rising	07:00 AM SAT 08/01/11
Thomson R at Jundah	2.5m falling	07:30 AM SAT 08/01/11
Barcoo R at Blackall *	2.21m falling	09:00 AM SAT 08/01/11
Alice R at Barcaldine Weir Auto*	0.55m falling	08:00 AM SAT 08/01/11
Barcoo R at Isisford	3.63m falling	06:00 AM SAT 08/01/11
Barcoo R at Oma	3.72m falling slowly	06:00 AM SAT 08/01/11
Barcoo R at Wahroongha	2.85m falling	06:00 AM SAT 08/01/11
Barcoo R at Glenlock	4.95m falling	03:00 PM FRI 07/01/11
Barcoo R at Retreat Auto *	6.86m falling	08:00 AM SAT 08/01/11
Cooper Ck at Windorah	5.2m falling slowly	06:00 AM SAT 08/01/11
Cooper Ck at Durham Downs	2.82m steady	06:00 AM SAT 08/01/11

*automatic station

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COOPER CREEK
Issued at 10:20 AM on Sunday the 9th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is easing along the Cooper Creek at Windorah. Minor flooding continues to ease in the Thomson River between Camoola Park and Jundah. Minor to moderate flooding will continue to fall along the Barcoo River between Glenlock and Retreat.

Major flooding continues in the Cooper Creek at Windorah. At 6am Sunday the creek level was 5.1 metres, which was about 0.8 metres above the level of the approaches to the Diamantina Development Road. River levels at Windorah are expected to fall slowly this week.

Moderate flooding is expected to continue downstream at Durham Downs until the weekend at least.

Next Issue:
The next warning will be issued at about 1pm Monday.

Latest River Heights:

Thomson R at Camoola Park	2.95m steady	06:00 AM SUN 09/01/11
Thomson R at Longreach auto *	3.75m steady	09:00 AM SUN 09/01/11
Darr R at Darr Auto *	2.16m steady	09:00 AM SUN 09/01/11
Thomson R Stonehenge (West) Auto*	3.99m rising	08:00 AM SUN 09/01/11
Thomson R Stonehenge (East)	2.65m rising	06:15 AM SUN 09/01/11
Thomson R at Jundah	2.5m steady	06:00 AM SUN 09/01/11
Barcoo R at Blackall *	1.85m steady	09:00 AM SUN 09/01/11
Alice R at Barcaldine Weir Auto*	0.48m steady	08:00 AM SUN 09/01/11
Barcoo R at Isisford	3.16m falling	06:00 AM SUN 09/01/11
Barcoo R at Wahroongha	2.55m falling	06:00 AM SUN 09/01/11
Barcoo R at Glenlock	4.35m falling	05:30 AM SUN 09/01/11
Barcoo R at Retreat Auto *	5.46m falling	08:00 AM SUN 09/01/11
Cooper Ck at Windorah	5.12m falling slowly	06:00 AM SUN 09/01/11
Cooper Ck at Durham Downs	2.82m steady	07:00 AM SUN 09/01/11

*automatic station

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http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COOPER CREEK
Issued at 11:39 AM on Monday the 10th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding is easing along the Cooper Creek at Windorah. Minor flooding continues to ease in the Thomson River between Camoola Park and Longreach. Renewed rises and minor to moderate flooding is being recorded on the lower Thomson River between Stonehenge and the Jundah area. Minor flooding will continue to fall along the Barcoo River at Retreat.

Major flooding continues in the Cooper Creek at Windorah. At 6am Monday the creek level was 4.9 metres, which was about 0.6 metres above the level of the approaches to the Diamantina Development Road. River levels at Windorah are expected to fall slowly this week.

Moderate flooding is expected to continue downstream at Durham Downs until the weekend at least.

Next Issue:
The next warning will be issued at about 1pm Tuesday.

Latest River Heights:

Thomson R at Camoola Park	2.95m	steady	06:00 AM MON 10/01/11
Thomson R at Longreach auto *	3.63m	steady	08:00 AM MON 10/01/11
Darr R at Darr Auto *	2.15m	steady	09:00 AM MON 10/01/11
Thomson R Stonehenge (West) Auto*	4.18m	steady	08:00 AM MON 10/01/11
Thomson R Stonehenge (East)	2.9m	steady	07:15 AM MON 10/01/11
Thomson R at Jundah	2.95m	rising	07:00 AM MON 10/01/11
Barcoo R at Blackall *	1.74m	steady	09:00 AM MON 10/01/11
Alice R at Barcaldine Weir Auto*	0.43m	steady	08:00 AM MON 10/01/11
Barcoo R at Isisford	2.68m	falling	06:00 AM MON 10/01/11
Barcoo R at Wahroongha	2.2m	falling	06:00 AM MON 10/01/11
Barcoo R at Glenlock	4m	falling	05:30 AM MON 10/01/11
Barcoo R at Retreat Auto *	4.54m	falling	08:00 AM MON 10/01/11
Cooper Ck at Windorah	4.9m	falling	06:00 AM MON 10/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COOPER CREEK
Issued at 9:07 AM on Tuesday the 11th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding along the Cooper Creek at Windorah. Minor flooding continues to ease in the Thomson River between Camoola Park and Longreach. Renewed rises and minor to moderate flooding is being recorded on the lower Thomson River between Stonehenge and the Jundah area. Minor flooding will continue to fall along the Barcoo River at Retreat.

The Cooper Creek at Windorah has now eased below major and is expected to remain

at the moderate flood level for the remainder of the week. At 6am Tuesday the creek level was 4.6 metres, which was about 0.32 metres above the level of the approaches to the Diamantina Development Road.

Moderate flooding is expected to continue downstream at Durham Downs until the weekend at least.

Next Issue:
The next warning will be issued at about 1pm Wednesday.

Latest River Heights:

Thomson R at Camoola Park	2.85m falling slowly	06:00 AM TUE 11/01/11
Thomson R at Longreach auto *	3.52m steady	07:00 AM TUE 11/01/11
Thomson R Stonehenge (West) Auto*	4.21m steady	04:00 AM TUE 11/01/11
Thomson R Stonehenge (East)	3m steady	06:00 AM TUE 11/01/11
Thomson R at Jundah	3.65m rising	07:00 AM TUE 11/01/11
Barcoo R at Retreat Auto *	3.89m falling	08:00 AM TUE 11/01/11
Cooper Ck at Windorah	4.62m falling	06:00 AM TUE 11/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COOPER CREEK
Issued at 10:30 AM on Wednesday the 12th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding along the Cooper Creek at Windorah. Minor flooding continues to ease in the Thomson River between Camoola Park and Longreach. Renewed rises and minor to moderate flooding on the lower Thomson River between Stonehenge and Jundah.

Flood levels have eased below minor on the Barcoo River at Retreat.

Moderate flooding continues to slowly ease on the Cooper Creek at Windorah. At 6am Wednesday the creek level was 4.42 metres, which was about 0.12 metres above the level of the approaches to the Diamantina Development Road.

Moderate flooding is expected to continue downstream at Durham Downs into next week.

Next Issue:
The next warning will be issued at about 1pm Thursday.

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Latest River Heights:
Thomson R at Camoola Park         2.75m falling slowly 06:00 AM WED 12/01/11
Thomson R at Longreach auto *     3.41m steady         09:00 AM WED 12/01/11
Thomson R Stonehenge (West) Auto* 4.19m steady         08:00 PM TUE 11/01/11
Thomson R Stonehenge (East)       2.9m steady          07:00 AM WED 12/01/11
Thomson R at Jundah               4m rising            06:00 AM WED 12/01/11
Barcoo R at Retreat Auto *        3.44m falling        08:00 AM WED 12/01/11
Cooper Ck at Windorah             4.42m falling        06:00 AM WED 12/01/11
Cooper Ck at Durham Downs         2.82m steady         06:00 AM WED 12/01/11

* dentoes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 11:40 AM on Thursday the 13th of January 2011
by the Bureau of Meteorology, Brisbane.


Moderate flooding remains steady in the Cooper Creek at Windorah.

Further rainfall is forecast across the entire catchment during today and into
the weekend which may result in renewed rises and higher levels during the next
few days.


Minor flooding continues to ease in the Thomson River between Camoola Park and
Longreach, with minor to moderate flooding occurring further downstream at
Stonehenge and Jundah.

Recent rainfall in the lower Barcoo catchment during Wednesday may result in
some small rises and possible minor flooding at Retreat during the weekend.

Moderate flooding remains steady on the Cooper Creek at Windorah. At 6am
Thursday the creek level at Windorah was 4.4 metres, which was about 0.1 metres
above the level of the approaches to the Diamantina Development Road.

Moderate flooding is rising downstream at Durham Downs, with further rises and
possible major flood levels going into the weekend.

Weather Forecast:
Rain areas and thunderstorms, with some moderate to heavy falls likely.

Next Issue:
The next warning will be issued at about 11am Friday.

Latest River Heights:
Thomson R at Camoola Park         2.65m falling slowly 06:00 AM THU 13/01/11
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Thomson R at Longreach auto *	3.31m steady	10:00 AM THU 13/01/11
Darr R at Darr Auto *	2.19m steady	10:00 AM THU 13/01/11
Thomson R Stonehenge (East)	2.8m steady	07:00 AM THU 13/01/11
Thomson R at Jundah	4.15m rising	06:00 AM THU 13/01/11
Barcoo R at Blackall *	1.66m steady	10:00 AM THU 13/01/11
Alice R at Barcaldine Weir Auto*	0.31m steady	08:00 AM THU 13/01/11
Barcoo R at Wahroongha	1.35m falling	06:00 AM THU 13/01/11
Barcoo R at Glenlock	2.65m falling	05:30 AM THU 13/01/11
Barcoo R at Retreat Auto *	3.09m falling	08:00 AM THU 13/01/11
Cooper Ck at Windorah	4.4m steady	06:00 AM THU 13/01/11
Cooper Ck at Durham Downs	2.88m rising slowly	07:00 AM THU 13/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 10:59 AM on Friday the 14th of January 2011
by the Bureau of Meteorology, Brisbane.

Moderate flooding has peaked in the Thomson River at Jundah, and renewed rises are occurring in the Cooper Creek at Windorah.

Further rainfall is forecast across the entire catchment during Friday and into the weekend which may result in renewed rises and higher levels during the next few days.

Minor flooding continues to ease in the Thomson River between Camoola Park and Stonehenge. Moderate flooding in the Thomson River at Jundah is beginning to ease slowly after a flood peak of 4.15 metres recorded during Thursday.

Recent rainfall in the lower Barcoo catchment during Wednesday and Thursday may result in some small rises and possible minor flooding at Retreat during the weekend.

Renewed rises and moderate flooding are occurring on the Cooper Creek at Windorah. At 6am Friday the creek level at Windorah was 4.5 metres, which was about 0.2 metres above the level of the approaches to the Diamantina Development Road.

Moderate flooding is occurring downstream at Durham Downs. Further rises are expected during the weekend, possibly reaching major flood levels next week.

Weather Forecast:
Scattered showers and isolated thunderstorms with rain areas for most parts.
Possible locally heavy falls with thunderstorms.

Next Issue:
The next warning will be issued at about 11am Saturday.

Latest River Heights:

Thomson R at Camoola Park	2.45m falling slowly	06:00 AM FRI 14/01/11
Thomson R at Longreach auto *	3.2m steady	09:00 AM FRI 14/01/11
Darr R at Darr Auto *	2.2m steady	09:00 AM FRI 14/01/11
Thomson R Stonehenge (East)	2.7m steady	05:30 AM FRI 14/01/11
Thomson R at Jundah	4.1m steady	07:00 AM FRI 14/01/11
Barcoo R at Blackall *	1.65m steady	09:00 AM FRI 14/01/11
Alice R at Barcaldine Weir Auto*	0.28m steady	08:00 AM FRI 14/01/11
Barcoo R at Wahroongha	1.3m falling	06:00 AM FRI 14/01/11
Barcoo R at Retreat Auto *	2.81m steady	08:00 AM FRI 14/01/11
Cooper Ck at Windorah	4.5m rising slowly	06:00 AM FRI 14/01/11
Cooper Ck at Durham Downs	2.85m falling slowly	07:00 AM FRI 14/01/11

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 10:54 AM on Saturday the 15th of January 2011
by the Bureau of Meteorology, Brisbane.

Renewed rises and moderate flooding are occurring in the Cooper Creek at
Windorah as upstream floodwaters arrive.

Areas of heavy rainfall have been recorded in the channel country, with Eromanga
recording 73mm in the 24 hours to 9am Saturday. This could lead to further rises
downstream in the Cooper Ck around Durham Downs and in the Wilson River.

Minor to moderate flooding continues to ease slowly in the Thomson River from
Stonehenge to Jundah.

Recent rainfall in the lower Barcoo catchment during Wednesday and Thursday may
result in some small rises and possible minor flooding at Retreat during the
weekend.

Renewed rises and moderate flooding are occurring on the Cooper Creek at
Windorah. At 6am Saturday the creek level at Windorah was 4.65 metres, which was
about 0.35 metres above the level of the approaches to the Diamantina
Development Road.

Moderate flooding is occurring downstream at Durham Downs. Further rises are
expected during the weekend, possibly reaching major flood levels next week.

Weather Forecast:
Scattered showers, rain areas and isolated thunderstorms, west of Longreach.

Next Issue:
The next warning will be issued at about 11am Sunday.

Latest River Heights:

Thomson R at Longreach auto *	3.07m falling	08:00 AM SAT 15/01/11
Darr R at Darr Auto *	2.2m steady	08:00 AM SAT 15/01/11
Thomson R Stonehenge (East)	2.7m steady	06:45 AM SAT 15/01/11
Thomson R at Jundah	4.05m steady	06:00 AM SAT 15/01/11
Barcoo R at Blackall *	1.63m steady	08:00 AM SAT 15/01/11
Alice R at Barcaldine Weir Auto*	0.26m steady	08:00 AM SAT 15/01/11
Barcoo R at Wahroongha	1.25m falling	06:00 AM SAT 15/01/11
Barcoo R at Retreat Auto *	2.56m falling	08:00 AM SAT 15/01/11
Cooper Ck at Windorah	4.65m rising slowly	06:00 AM SAT 15/01/11
Cooper Ck at Durham Downs	2.84m falling slowly	07:00 AM SAT 15/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 10:46 AM on Sunday the 16th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is easing in the lower Thomson River downstream from
Longreach. Moderate flooding remains steady in the Cooper Creek at Windorah and
at Durham Downs.

Minor flooding continues to ease slowly in the Thomson River between Stonehenge
and Jundah.

Moderate flooding remains steady in the Cooper Creek at Windorah. At 6am Sunday
the creek level at Windorah was 4.67 metres, which was about 0.37 metres above
the level of the approaches to the Diamantina Development Road.

Moderate flooding also remains steady downstream at Durham Downs. However, areas
of heavy rainfall recorded in the channel country during Friday may lead to
further rises during this week in the Durham Downs area and in the Wilson River.

Weather Forecast:
Mostly fine, only isolated afternoon showers or storms.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Thomson R at Longreach auto *	2.87m falling	08:00 AM SUN 16/01/11
Darr R at Darr Auto *	2.19m steady	08:00 AM SUN 16/01/11
Thomson R Stonehenge (East)	2.6m falling slowly	06:00 AM SUN 16/01/11
Thomson R at Jundah	4m steady	06:00 AM SUN 16/01/11
Barcoo R at Blackall *	1.62m steady	08:00 AM SUN 16/01/11
Alice R at Barcaldine Weir Auto*	0.25m steady	08:00 AM SUN 16/01/11
Barcoo R at Wahroongha	1.15m falling	06:00 AM SUN 16/01/11
Barcoo R at Retreat Auto *	2.34m falling slowly	08:00 AM SUN 16/01/11
Cooper Ck at Windorah	4.67m steady	06:00 AM SUN 16/01/11
Cooper Ck at Durham Downs	2.84m steady	08:00 AM SUN 16/01/11
Wilson R at Noccundra Hotel	NA	
Cooper Ck at Nappa Merrie	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 11:37 AM on Monday the 17th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding is easing in the lower Thomson River downstream from Longreach.
Moderate flooding remains steady in the Cooper Creek at Windorah and at Durham
Downs.

Further daily rainfall totals recorded to 9am Monday include Wahroongha 74mm,
Stonehenge 48mm, Navarra 33mm, Isisford 24mm, Trinidad 21mm, Eromanga 15mm, and
Windorah 14mm, with generally less than 7mm scattered across isolated areas
north of about Windorah in the upper Barcoo and Thomson River catchments.

Minor flooding continues to ease slowly in the lower Thomson River between
Stonehenge and Jundah. Some renewed stream rises are likely however as a result
of the recent isolated heavy rainfall.

Fast rises are occurring in the lower Barcoo River at Wahroongha following
recent heavy rainfall. Minor flooding is likely at Wahroongha during the next
few days, with higher levels possible.

Moderate flooding remains steady in the Cooper Creek at Windorah. At 6am Monday the creek level at Windorah was 4.67 metres, which was about 0.37 metres above the level of the approaches to the Diamantina Development Road.

Moderate flooding also remains steady downstream at Durham Downs, with some further stream rises likely across the Cooper Creek catchment following continued isolated moderate to heavy rainfall.

Weather Forecast:
Isolated showers and possible gusty thunderstorms, mainly north of Windorah where rain areas may develop with possible locally moderate to heavy falls.

Next Issue:
The next warning will be issued at about 11am Tuesday.

Latest River Heights:

Thomson R at Longreach auto *	2.6m falling	08:00 AM MON 17/01/11
Darr R at Darr Auto *	2.18m steady	08:23 AM MON 17/01/11
Thomson R Stonehenge (East)	2.6m steady	07:45 AM MON 17/01/11
Thomson R at Jundah	3.9m steady	07:00 AM MON 17/01/11
Barcoo R at Blackall *	1.62m steady	08:00 AM MON 17/01/11
Alice R at Barcaldine Weir Auto*	0.23m steady	08:00 AM MON 17/01/11
Barcoo R at Wahroongha	1.55m rising	06:00 AM MON 17/01/11
Barcoo R at Retreat Auto *	2.18m steady	08:00 AM MON 17/01/11
Cooper Ck at Windorah	4.67m steady	06:00 AM MON 17/01/11
Cooper Ck at Durham Downs	2.85m rising slowly	09:00 AM MON 17/01/11
Wilson R at Noccundra Hotel	NA	
Cooper Ck at Nappa Merrie	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 10:38 AM on Tuesday the 18th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is rising slowly in the lower Thomson River downstream from Longreach. Moderate flooding continues in the Cooper Creek at Windorah and at Durham Downs.

Further daily rainfall totals recorded to 9am Tuesday include Eastmere 46mm, Woodbine 46mm, and Holmleigh 30mm in the upper Thomson catchment, and rainfalls recorded across the Barcoo catchment at Tambo 25mm, Listowel Downs 10mm, Blackall 10mm, and Navarra 10mm.

Minor to moderate flooding is rising slowly in the lower Thomson River between Stonehenge and Jundah.

Some small rises have occurred in the lower Barcoo River between Wahroongha and Retreat, however river levels remain below minor flood level.

Moderate flooding is easing slowly in the Cooper Creek at Windorah. At 6am Tuesday the creek level at Windorah was 4.58 metres, which was about 0.28 metres above the level of the approaches to the Diamantina Development Road.

Moderate flooding is also occurring downstream at Durham Downs, with some further stream rises likely across the Cooper Creek catchment following rainfall recorded earlier this week.

Weather Forecast:
Scattered showers, rain areas and isolated thunderstorms north of about Longreach with possible locally moderate to heavy falls. Isolated showers and thunderstorms, chiefly during the afternoon south of about Longreach.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Thomson R at Longreach auto *	1.86m falling	08:00 AM TUE 18/01/11
Darr R at Darr Auto *	2.18m steady	08:00 AM TUE 18/01/11
Thomson R Stonehenge (East)	2.65m steady	05:45 AM TUE 18/01/11
Thomson R at Jundah	4m rising slowly	06:00 AM TUE 18/01/11
Barcoo R at Blackall *	1.75m falling	08:00 AM TUE 18/01/11
Alice R at Barcaldine Weir Auto*	0.22m steady	08:00 AM TUE 18/01/11
Barcoo R at Wahroongha	1.15m falling	06:00 AM TUE 18/01/11
Barcoo R at Retreat Auto *	2.69m rising	08:00 AM TUE 18/01/11
Cooper Ck at Windorah	4.58m falling slowly	06:00 AM TUE 18/01/11
Cooper Ck at Durham Downs	NA	

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE COOPER CREEK
Issued at 10:12 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding is occurring in the lower Thomson River downstream

from Longreach. Moderate flooding continues in the Cooper Creek at Windorah and at Durham Downs.

Further daily rainfall totals recorded to 9am Wednesday include Eastmere 37mm, Woodbine 20mm, Gue 14mm, and generally less than 5mm elsewhere across the upper Thomson and Barcoo catchments.

Minor to moderate flooding continues in the lower Thomson River between Stonehenge and Jundah.

Moderate flooding is rising slowly in the Cooper Creek at Windorah. At 6am Wednesday the creek level at Windorah was 4.6 metres, which was about 0.3 metres above the level of the approaches to the Diamantina Development Road.

Moderate flooding remains steady downstream at Durham Downs, with some further stream rises likely going into next week.

Next Issue:
The next warning will be issued at about 11am Thursday.

Latest River Heights:

Thomson R at Longreach auto *	1.64m falling	08:00 AM WED 19/01/11
Darr R at Darr Auto *	2.17m steady	08:00 AM WED 19/01/11
Thomson R Stonehenge (West) Auto*	3.93m steady	08:00 AM WED 19/01/11
Thomson R Stonehenge (East)	2.65m steady	06:30 AM WED 19/01/11
Thomson R at Jundah	4m steady	07:00 AM WED 19/01/11
Barcoo R at Blackall *	1.69m steady	08:00 AM WED 19/01/11
Alice R at Barcaldine Weir Auto*	0.21m steady	08:00 AM WED 19/01/11
Barcoo R at Wahroongha	0.98m falling	06:00 AM WED 19/01/11
Barcoo R at Retreat Auto *	2.72m steady	08:00 AM WED 19/01/11
Cooper Ck at Windorah	4.6m rising slowly	06:00 AM WED 19/01/11
Cooper Ck at Durham Downs	2.85m steady	07:00 AM WED 19/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM625

IDQ20860

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE COOPER CREEK
Issued at 9:14 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flooding continues in the Thomson River downstream at Stonehenge and Jundah. Moderate flooding continues in the Cooper Creek at Windorah and at Durham Downs. Flood levels throughout the catchment are expected to fall slowly.

Next Issue:
This is the final warning. River height bulletins will continue to be issued. Updates will continue in the Flood Warning Summary. River heights are available on the Bureau Website; http://www.bom.gov.au/qld/flood

Latest River Heights:

Cornish Ck at Bowen Downs *	2.3m	steady	04:00 PM WED 19/01/11
Thomson R at Longreach auto *	1.66m	steady	05:00 AM THU 20/01/11
Darr R at Darr Auto *	2.16m	steady	05:00 AM THU 20/01/11
Thomson R Stonehenge (West) Auto*	3.85m	steady	04:00 AM THU 20/01/11
Thomson R Stonehenge (East)	2.55m	steady	06:50 AM THU 20/01/11
Thomson R at Jundah	3.9m	falling slowly	06:30 AM THU 20/01/11
Barcoo R at Blackall *	1.6m	falling	05:00 AM THU 20/01/11
Alice R at Barcaldine Weir Auto*	0.22m	steady	05:00 AM THU 20/01/11
Barcoo R at Retreat Auto *	2.79m	steady	05:00 AM THU 20/01/11
Cooper Ck at Windorah	4.65m	rising slowly	06:00 AM THU 20/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(30)"

FLDWARN for the Gulf Rivers

1 December 2010 to 31 January 2011

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TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR FLINDERS RIVER
Issued at 12:28 PM on Monday the 13th of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels continue to rise at Richmond. Levels are expected to reach
around 7 metres with higher levels possible. At this stage, levels are expected
to remain below minor at Hulberts Bridge but are expected to exceed the crossing
level of 3.9 metres.

Next Issue:
The next warning will be issued by 11am Tuesday.

Latest River Heights:

Porcupine Ck at Mt Emu Plains*      2.05m falling 10:00 AM MON 13/12/10
Flinders R at Glendower *           2.82m falling 08:10 AM MON 13/12/10
Flinders R at Richmond *            6.16m rising  11:00 AM MON 13/12/10
Cloncurry R at Cloncurry *          0.86m steady  11:00 AM MON 13/12/10
Julia Ck at Julia Ck *              0.07m steady  11:00 AM MON 13/12/10
Dugald R at Rail Crossing *         0.71m steady  08:00 AM MON 13/12/10
Williams R at Landsborough Highway* 0.7m steady   08:00 AM MON 13/12/10
Cloncurry R at Canobie Auto *       0.67m steady  08:00 AM MON 13/12/10
Flinders R at Walkers Bend *        0.71m steady  08:00 AM MON 13/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR FLINDERS RIVER
Issued at 8:34 AM on Tuesday the 14th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are falling at Richmond. Levels are expected to remain below
minor flood level at Hulberts Bridge but are expected to exceed the crossing
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level of 3.9 metres.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Porcupine Ck at Mt Emu Plains*	1.88m steady	05:00 AM TUE 14/12/10
Flinders R at Glendower *	2.49m falling	07:40 AM TUE 14/12/10
Flinders R at Richmond	5.55m falling	06:00 AM TUE 14/12/10
Flinders R at Richmond *	6.16m falling	05:00 AM TUE 14/12/10
Cloncurry R at Cloncurry *	0.83m steady	06:00 AM TUE 14/12/10
Julia Ck at Julia Ck *	0.07m rising	06:00 AM TUE 14/12/10

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

PRELIMINARY FLOOD WARNING FOR THE FLINDERS RIVER
Issued at 7:25 AM on Sunday the 2nd of January 2011
by the Bureau of Meteorology, Brisbane.

Monsoonal activity across the Gulf Country has produced river rises along the Flinders and Cloncurry Rivers, with moderate flooding occurring in the upper Flinders River at Richmond. Whilst river levels at Walkers Bend currently remain steady just below minor flood level, further prolonged heavy rainfall during this week is likely to result in moderate to major flooding at Walkers Bend.

Periodic heavy rainfall recorded across the Flinders catchment during the last few weeks has resulted in steady river rises in the Flinders River at Walkers Bend. At 8am Saturday, the river level at Walkers Bend was 4.82 metres and steady below the minor flood level of 5.0 metres.

Further heavy rainfalls are likely across the Gulf Country as a monsoon trough situated in the Torres Strait slowly moves southwards over the next few days.

Weather Forecast:
In the north, scattered showers and thunderstorms, tending to rain areas at times. Local moderate to heavy falls possible.

In the south, isolated showers and thunderstorms mainly in the afternoon and evening.

Next Issue:
The next warning will be issued at about 11am Monday.

Latest River Heights:

Gregory R at Riversleigh *	1.78m falling	09:00 PM SAT 01/01/11

Gregory R at Gregory Downs *	3.77m rising	09:00 PM SAT 01/01/11
Leichhardt R at Floraville *	2.58m steady	08:00 PM SAT 01/01/11
Porcupine Ck at Mt Emu Plains*	1.99m steady	08:00 PM SAT 01/01/11
Flinders R at Glendower *	3.24m falling	08:20 PM SAT 01/01/11
Flinders R at Richmond *	6.83m falling	05:00 AM SUN 02/01/11
Cloncurry R at Cloncurry *	0.86m rising	05:00 AM SUN 02/01/11
Julia Ck at Julia Ck *	0.93m steady	05:00 AM SUN 02/01/11
Dugald R at Rail Crossing *	0.92m falling	08:00 PM SAT 01/01/11
Williams R at Landsborough Highway*	0.62m falling	08:00 PM SAT 01/01/11
Flinders R at Etta Plains *	6.58m rising	08:00 PM SAT 01/01/11
Cloncurry R at Canobie Auto *	3.73m falling	08:20 PM SAT 01/01/11
Flinders R at Walkers Bend *	4.82m steady	08:00 PM SAT 01/01/11
Norman R near Yappar River	2m rising slowly	07:00 PM SAT 01/01/11
Norman R at Glenore Weir *	8.19m steady	05:00 AM SUN 02/01/11
Norman R at Normanton	NA	
Karumba tide *	1.1m falling	06:10 AM SUN 02/01/11
Gilbert R at Riverview	3m falling slowly	06:00 AM SUN 02/01/11
Copperfield R at Spanner Waterhole*	2.65m steady	08:00 AM SAT 01/01/11
Copperfield R at Kidston Dam TW *	2.51m steady	08:00 PM SAT 01/01/11
Elizabeth Ck at Mt Surprise*	2.35m falling	05:00 AM SUN 02/01/11
Routh Ck at Beef Road *	2.37m falling	11:45 PM SAT 01/01/11
Etheridge R at Roseglen *	3.57m rising	05:10 AM SUN 02/01/11
Etheridge R at Georgetown	NA	
Mitchell R at Gamboola *	4.53m steady	08:00 PM SAT 01/01/11
Palmer R at Goldfields *	1.8m steady	08:00 PM SAT 01/01/11
Palmer R at Drumduff *	2.89m falling	08:10 PM SAT 01/01/11
Mitchell R @ Koolatah *	8.66m falling	08:00 PM SAT 01/01/11
Magnificent Ck at Kowanyama Airport	3.05m rising slowly	02:45 PM SAT 01/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE GULF RIVERS
Issued at 9:57 AM on Monday the 3rd of January 2011
by the Bureau of Meteorology, Brisbane.

Recent rainfall has produced river level rises in the Flinders and Norman
Rivers. Minor flooding is occurring in the Norman River at the Yappar River
junction and at Normanton.

Renewed rises are expected later in the week at Walkers Bend with levels in
excess of the Flinders River Bridge possible. At 8am Monday the Flinders River
at Walkers Bend was steady at 4.73 metres.

Moderate flood levels are rising slowly in Magnificent Creek at the Kowanyama Airport.

Weather Forecast:
Scattered showers and thunderstorms, tending to rain areas at times. Local moderate to heavy falls possible.

Next Issue:
The next warning will be issued at about 11am Tuesday.

Latest River Heights:

Gregory R at Riversleigh *	2.09m rising	08:00 AM MON 03/01/11
Gregory R at Gregory Downs *	3.07m steady	08:00 AM MON 03/01/11
Leichhardt R at Doughboy Ck *	1.23m steady	08:00 AM MON 03/01/11
Leichhardt R at Julius Dam *	-0.81m steady	06:00 AM MON 03/01/11
Leichhardt R at Miranda Creek *	2.14m rising	08:00 AM MON 03/01/11
Fiery Ck at The 16m Waterhole *	1.93m falling	08:00 AM MON 03/01/11
Leichhardt R at Floraville *	3.24m falling	08:00 AM MON 03/01/11
Flinders R at Glendower *	2.54m steady	06:00 AM MON 03/01/11
Flinders R at Richmond *	3.79m falling	08:00 AM MON 03/01/11
Cloncurry R at Cloncurry *	1.03m falling	08:00 AM MON 03/01/11
Julia Ck at Julia Ck *	0.96m steady	08:00 AM MON 03/01/11
Dugald R at Rail Crossing *	0.75m steady	08:00 AM MON 03/01/11
Williams R at Landsborough Highway*	0.67m steady	08:30 AM MON 03/01/11
Flinders R at Etta Plains *	7.07m steady	08:00 AM MON 03/01/11
Cloncurry R at Canobie Auto *	3.66m steady	08:00 AM MON 03/01/11
Flinders R at Walkers Bend *	4.73m steady	08:00 AM MON 03/01/11
Norman R near Yappar River	2.05m rising slowly	07:00 AM MON 03/01/11
Norman R at Glenore Weir *	8.18m steady	08:00 AM MON 03/01/11
Norman R at Normanton	2m steady	08:00 AM MON 03/01/11
Gilbert R at Riverview	2m falling	12:00 PM SUN 02/01/11
Copperfield R at Spanner Waterhole*	3.09m falling	08:10 AM MON 03/01/11
Copperfield R at Kidston Dam HW *	36.42m rising	08:00 AM MON 03/01/11
Copperfield R at Kidston Dam TW *	2.82m steady	08:00 AM MON 03/01/11
Elizabeth Ck at Mt Surprise*	2.07m steady	08:00 AM MON 03/01/11
Routh Ck at Beef Road *	1.86m steady	11:00 PM SUN 02/01/11
Etheridge R at Roseglen *	2.79m steady	08:00 AM MON 03/01/11
Magnificent Ck at Kowanyama Airport	3.5m rising slowly	08:00 AM MON 03/01/11

* from automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology

Queensland

FLOOD WARNING FOR THE GULF RIVERS
Issued at 10:57 AM on Tuesday the 4th of January 2011
by the Bureau of Meteorology, Brisbane.

Recent rainfall has produced river level rises in the Flinders, Norman and Gilbert Rivers. Minor flooding is occurring in the Norman River at the Yappar River junction, Normanton and in the lower Gilbert River in the Miranda Downs area.

Renewed rises are expected later in the week at Walkers Bend with levels in excess of the Flinders River Bridge possible. At 8am Tuesday the Flinders River at Walkers Bend was falling at 4.16 metres.

Moderate flood levels are rising slowly in Magnificent Creek at the Kowanyama Airport.

Weather Forecast:
Scattered showers, rain areas and thunderstorms with local moderate to heavy falls possible.

Next Issue:
The next warning will be issued at about 11am Wednesday.

Latest River Heights:

Flinders R at Richmond *	3.13m falling	09:00 AM TUE 04/01/11
Cloncurry R at Cloncurry *	0.90m steady	09:00 AM TUE 04/01/11
Julia Ck at Julia Ck *	0.97m steady	09:00 AM TUE 04/01/11
Dugald R at Rail Crossing *	0.72m steady	05:00 AM TUE 04/01/11
Williams R at Landsborough Highway*	0.70m steady	08:00 AM TUE 04/01/11
Flinders R at Etta Plains *	7.12m steady	05:00 AM TUE 04/01/11
Cloncurry R at Canobie Auto *	3.68m steady	08:00 AM TUE 04/01/11
Flinders R at Walkers Bend *	4.16m falling	08:00 AM TUE 04/01/11
Norman R near Yappar River	1.90m falling slowly	07:00 AM TUE 04/01/11
Norman R at Glenore Weir *	8.47m rising	09:00 AM TUE 04/01/11
Norman R at Normanton	2.15m rising slowly	07:00 AM TUE 04/01/11
Copperfield R at Spanner Waterhole*	3.06m falling	08:20 AM TUE 04/01/11
Copperfield R at Kidston Dam HW *	36.45m steady	08:00 AM TUE 04/01/11
Copperfield R at Kidston Dam TW *	2.86m rising	08:00 AM TUE 04/01/11
Elizabeth Ck at Mt Surprise*	2.2m steady	09:00 AM TUE 04/01/11
Routh Ck at Beef Road *	1.7m steady	11:00 PM MON 03/01/11
Etheridge R at Roseglen *	3.65m rising	09:00 AM TUE 04/01/11
Magnificent Ck at Kowanyama Airport	3.6m rising slowly	08:00 AM TUE 04/01/11

* from automatic station

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TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE GULF RIVERS
Issued at 10:26 AM on Wednesday the 5th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue to ease in the Norman River at the Yappar River junction. It is possible that minor flood levels may just be reached in the Flinders River at Walkers Bend later in the week as upstream floodwaters arrive.

Weather Forecast:
Scattered showers, rain areas and thunderstorms with local moderate to heavy falls possible.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Flinders R at Richmond *	2.66m steady	08:00 AM WED 05/01/11
Cloncurry R at Cloncurry *	0.85m steady	08:00 AM WED 05/01/11
Julia Ck at Julia Ck *	0.98m steady	08:00 AM WED 05/01/11
Dugald R at Rail Crossing *	0.71m steady	08:00 AM WED 05/01/11
Williams R at Landsborough Highway*	0.67m steady	08:00 AM WED 05/01/11
Flinders R at Etta Plains *	7.27m rising	08:00 AM WED 05/01/11
Cloncurry R at Canobie Auto *	3.67m falling	11:30 PM TUE 04/01/11
Flinders R at Walkers Bend *	3.58m steady	08:00 AM WED 05/01/11
Norman R near Yappar River	1.65m falling slowly	07:00 AM WED 05/01/11
Norman R at Glenore Weir *	8.88m rising	08:00 AM WED 05/01/11
Copperfield R at Spanner Waterhole*	2.73m steady	08:00 AM WED 05/01/11
Copperfield R at Kidston Dam HW *	36.29m steady	08:00 AM WED 05/01/11
Copperfield R at Kidston Dam TW *	2.65m falling	08:10 AM WED 05/01/11
Elizabeth Ck at Mt Surprise*	2.08m steady	08:00 AM WED 05/01/11
Routh Ck at Beef Road *	2.27m falling	08:00 AM WED 05/01/11
Etheridge R at Roseglen *	3.81m falling	08:40 AM WED 05/01/11

* from automatic station

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IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FlINDERS RIVER
Issued at 11:01 AM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall over the past 24 hours has led to river level rises at Hughenden and Richmond with minor to moderate flooding. Minor flooding will continue along the Norman River from near Yappar River to Normanton into the weekend.

FLINDERS RIVER
Moderate flood levels at Hughenden are steady at 3.17 metres this morning. Fast rises are occurring downstream at Richmond with moderate flood levels of above 6 metres possible today.

Areas downstream to Etta Plains including Hulberts Bridge will see fast river level rises over the next 48 hours.

Next Issue:
The next warning will be issued by 4pm Wednesday.

Latest River Heights:

Flinders R at Glendower *	2.78m falling	07:30 AM WED 19/01/11
Flinders R at Hughenden	3.17m steady	06:00 AM WED 19/01/11
Flinders R at Richmond *	5.00m rising	11:00 AM WED 19/01/11
Cloncurry R at Cloncurry *	0.97m steady	09:00 AM WED 19/01/11
Julia Ck at Julia Ck *	0.93m steady	09:00 AM WED 19/01/11
Dugald R at Rail Crossing *	1.03m falling	08:00 AM WED 19/01/11
Williams R at Landsborough Highway*	0.71m steady	07:00 AM WED 19/01/11
Flinders R at Etta Plains *	2.79m rising	08:00 AM WED 19/01/11
Cloncurry R at Canobie Auto *	3.03m steady	08:00 AM WED 19/01/11
Flinders R at Walkers Bend *	2.77m rising	08:18 AM WED 19/01/11
Norman R near Yappar River	2.4m steady	07:00 AM WED 19/01/11
Norman R at Glenore Weir *	9.74m steady	09:18 AM WED 19/01/11
Norman R at Normanton	2.65m rising slowly	07:00 AM WED 19/01/11
Karumba tide *	1.56m steady	10:10 AM WED 19/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FlINDERS RIVER
Issued at 3:42 PM on Wednesday the 19th of January 2011
by the Bureau of Meteorology, Brisbane.

Rainfall over the past 36 hours has led to river level rises at Hughenden and Richmond with minor to moderate flooding. Minor flooding will continue along the Norman River from near Yappar River to Normanton into the weekend.

FLINDERS RIVER
Moderate flood levels at Hughenden were steady at 3.17 metres this morning. Fast

rises are continuing downstream at Richmond with levels expected to reach the moderate flood level of 6 metres this evening. The rate of rise has slowed this afternoon and as a result a peak is expected during this evening or overnight.

Areas downstream to Etta Plains including Hulberts Bridge will see fast river level rises over the next 48 hours.

Next Issue:
The next warning will be issued by 9:30am Thursday.

Latest River Heights:

Flinders R at Glendower *	2.69m falling	01:30 PM WED 19/01/11
Flinders R at Hughenden	3.17m steady	06:00 AM WED 19/01/11
Flinders R at Richmond *	5.84m rising	03:00 PM WED 19/01/11
Cloncurry R at Cloncurry *	0.94m steady	03:00 PM WED 19/01/11
Julia Ck at Julia Ck *	0.93m steady	03:00 PM WED 19/01/11
Dugald R at Rail Crossing *	0.91m falling	03:00 PM WED 19/01/11
Williams R at Landsborough Highway*	0.71m steady	02:00 PM WED 19/01/11
Flinders R at Etta Plains *	2.92m steady	03:00 PM WED 19/01/11
Cloncurry R at Canobie Auto *	3.03m rising	03:20 PM WED 19/01/11
Flinders R at Walkers Bend *	3.03m rising	02:00 PM WED 19/01/11
Norman R near Yappar River	2.4m rising slowly	01:00 PM WED 19/01/11
Norman R at Glenore Weir *	9.82m rising	11:00 AM WED 19/01/11
Norman R at Normanton	2.65m rising slowly	07:00 AM WED 19/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE FLINDERS RIVER
Issued at 8:04 AM on Thursday the 20th of January 2011
by the Bureau of Meteorology, Brisbane.

A moderate flood peak of just above 6 metres was recorded at Richmond overnight. Minor to moderate flooding should be expected downstream into the weekend. Minor flooding will continue along the Norman River from near Yappar River to Normanton into the weekend. Minor flooding is occurring along the Gregory River at Gregory Downs.

FLINDERS RIVER
A moderate flood peak of 6.25 metres was recorded at Richmond overnight. Levels are expected to continue falling through today with any further rises dependent on more rainfall.

Areas downstream to Etta Plains including Hulberts Bridge will see fast river level rises over the next 36 hours.

Next Issue:
The next warning will be issued by 9:30am Friday.

Latest River Heights:

Flinders R at Glendower *	2.62m falling	04:00 AM THU 20/01/11
Flinders R at Richmond *	5.99m falling	05:30 AM THU 20/01/11
Cloncurry R at Cloncurry *	0.96m falling	05:00 AM THU 20/01/11
Julia Ck at Julia Ck *	1.14m rising	05:00 AM THU 20/01/11
Dugald R at Rail Crossing *	1.08m steady	06:00 AM THU 20/01/11
Williams R at Landsborough Highway*	0.82m rising	06:20 AM THU 20/01/11
Flinders R at Etta Plains *	2.78m falling	06:00 AM THU 20/01/11
Cloncurry R at Canobie Auto *	3.03m rising	03:20 PM WED 19/01/11
Flinders R at Walkers Bend *	3.29m rising	05:00 AM THU 20/01/11
Norman R near Yappar River	2.45m steady	07:00 AM THU 20/01/11
Norman R at Glenore Weir *	10.22m steady	06:19 AM THU 20/01/11
Norman R at Normanton	2.89m rising slowly	07:00 AM THU 20/01/11

*automatic station

Warnings and River Height Bulletins are available at
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public and satellite phones.

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IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE GULF RIVERS
Issued at 8:53 AM on Friday the 21st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding should be expected downstream from Richmond along the
Flinders River during the weekend. Moderate flood levels are possible at
Rockfields along the Gilbert River today.

FLINDERS RIVER
Minor flooding continues at Richmond. Areas downstream to Walkers Bend will see
fast river level rises during the weekend. River levels at Walkers Bend are not
expected to reach minor flood level without further rainfall.

GILBERT RIVER
Heavy rainfall during the past 36 hours has caused fast river level rises along
the Gilbert River at North Head and Rockfields with minor flooding. Further
rises to moderate flood levels are possible at Rockfields today. River levels
rises should be expected at downstream locations during Friday and through the
weekend.

NORMAN RIVER
Minor flooding will continue along the Norman River from near Yappar River to
Normanton through the weekend. Based on rainfall observed in the neighbouring

Gilbert catchment, river level rises maybe occurring along the Yappar and Clara Rivers.

GREGORY RIVER
Minor flooding is occurring along the Gregory River at Gregory Downs.

Next Issue:
The next warning will be issued by 10:30am Saturday.

Latest River Heights:

Gregory R at Riversleigh *	2.54m falling	08:00 AM FRI 21/01/11
Gregory R at Gregory Downs *	6.1m falling	08:00 AM FRI 21/01/11
Leichhardt R at Floraville *	2.48m falling	08:00 PM THU 20/01/11
Flinders R at Glendower *	3.09m falling	08:10 AM FRI 21/01/11
Flinders R at Richmond *	5.2m falling	08:00 AM FRI 21/01/11
Cloncurry R at Cloncurry *	0.9m steady	08:00 AM FRI 21/01/11
Julia Ck at Julia Ck *	1.1m steady	08:00 AM FRI 21/01/11
Flinders R at Etta Plains *	2.33m rising	08:00 AM FRI 21/01/11
Cloncurry R at Canobie Auto *	2.97m steady	08:00 AM FRI 21/01/11
Flinders R at Walkers Bend *	2.79m falling	08:00 AM FRI 21/01/11
Norman R near Yappar River	2.4m falling slowly	07:00 AM FRI 21/01/11
Norman R at Glenore Weir *	10.71m steady	08:00 AM FRI 21/01/11
Norman R at Normanton	3.1m rising slowly	07:00 AM FRI 21/01/11
Gilbert R at North Head	5.35m at peak	04:00 PM THU 20/01/11
Gilbert R at Green Hills	3.8m falling	06:00 AM FRI 21/01/11
Gilbert R at Riverview	3.6m falling	06:00 AM FRI 21/01/11
Gilbert R at Rockfields *	6.37m rising	04:00 AM FRI 21/01/11
Einasleigh R at Einasleigh *	8m falling	04:00 AM FRI 21/01/11
Elizabeth Ck at Mt Surprise*	2.32m falling	08:00 AM FRI 21/01/11
Routh Ck at Beef Road *	1.91m steady	11:00 PM THU 20/01/11
Etheridge R at Roseglen *	3.02m falling	08:00 AM FRI 21/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

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IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE GULF RIVERS
Issued at 9:40 AM on Saturday the 22nd of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding should be expected downstream from Etta Plains along the Flinders River during the weekend.

FLINDERS RIVER
River levels are rising at Etta Plains. Areas downstream to Walkers Bend will

see fast river level rises during the weekend. River levels at Walkers Bend are not expected to reach minor flood level without further rainfall.

GILBERT RIVER
River levels are falling at Rockfields. River levels rises should be expected at downstream locations through the weekend.

NORMAN RIVER
Minor flooding will continue along the Norman River from near Yappar River to Normanton through the weekend. Based on rainfall observed in the neighbouring Gilbert catchment, river level rises maybe occurring along the Yappar and Clara Rivers.

Next Issue:
The next warning will be issued by 10:30am Sunday.

Latest River Heights:

Gregory R at Riversleigh *	1.97m steady	08:00 AM SAT 22/01/11
Gregory R at Gregory Downs *	3.85m falling	08:00 AM SAT 22/01/11
Leichhardt R at Doughboy Ck *	1.17m falling	08:00 AM SAT 22/01/11
Leichhardt R at Julius Dam *	0.26m steady	06:00 AM SAT 22/01/11
Leichhardt R at Miranda Creek *	2.3m falling	08:00 AM SAT 22/01/11
Gunpowder Ck at Gunpowder *	1.07m steady	08:00 AM SAT 22/01/11
Fiery Ck at The 16m Waterhole *	1.9m steady	08:00 AM SAT 22/01/11
Leichhardt R at Floraville *	2.33m steady	08:00 AM SAT 22/01/11
Porcupine Ck at Mt Emu Plains*	1.84m steady	04:00 AM SAT 22/01/11
Flinders R at Glendower *	2.77m falling	08:00 AM SAT 22/01/11
Flinders R at Richmond *	4.32m rising	08:00 AM SAT 22/01/11
Cloncurry R at Cloncurry *	0.87m steady	08:00 AM SAT 22/01/11
Julia Ck at Julia Ck *	1.16m steady	08:00 AM SAT 22/01/11
Dugald R at Rail Crossing *	0.81m steady	08:00 AM SAT 22/01/11
Williams R at Landsborough Highway*	0.69m steady	06:00 AM SAT 22/01/11
Flinders R at Etta Plains *	3.77m rising	08:00 AM SAT 22/01/11
Cloncurry R at Canobie Auto *	3.05m steady	08:00 AM SAT 22/01/11
Flinders R at Walkers Bend *	2.41m steady	08:00 AM SAT 22/01/11
Norman R near Yappar River	2.32m falling slowly	07:00 AM SAT 22/01/11
Norman R at Glenore Weir *	10.69m rising	08:00 AM SAT 22/01/11
Karumba tide *	1.61m falling	08:50 AM SAT 22/01/11
Gilbert R at Riverview	2.4m falling	06:00 AM SAT 22/01/11
Gilbert R at Rockfields *	5.47m falling	04:00 AM SAT 22/01/11
Copperfield R at Spanner Waterhole*	3.73m falling	08:30 AM SAT 22/01/11
Copperfield R at Kidston Dam TW *	3.26m falling	08:50 AM SAT 22/01/11
Einasleigh R at Einasleigh *	7.54m falling	04:00 AM SAT 22/01/11
Elizabeth Ck at Mt Surprise*	2.14m steady	08:00 AM SAT 22/01/11
Routh Ck at Beef Road *	1.72m steady	11:00 PM FRI 21/01/11
Etheridge R at Roseglen *	2.54m steady	08:00 AM SAT 22/01/11

*automatic station

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE GULF RIVERS
Issued at 9:44 AM on Sunday the 23rd of January 2011
by the Bureau of Meteorology, Brisbane.

Fast river level rises are expected downstream along the Flinders River from Etta Plains during the next few days. Minor flooding is easing slowly in the Norman River in the Normanton area.

FLINDERS RIVER:
River levels rises are occurring at Etta Plains. Areas downstream to Walkers Bend will see fast river level rises during this week. River levels at Walkers Bend are not expected to reach minor flood level without further rainfall.

NORMAN RIVER:
Minor flooding continues to slowly ease along the Norman River from near Yappar River through to Normanton. Based on earlier rainfall observed in the neighbouring Gilbert catchment, river level rises may occur during the next few days along the Yappar and Clara Rivers.

GILBERT RIVER:
River levels are falling across the Gilbert River catchment during Sunday morning. River levels rises should be expected at downstream locations through the weekend.

Weather Forecast:
Scattered showers and isolated thunderstorms with local moderate to heavy falls.

Next Issue:
The next warning will be issued at about 10:30am Monday.

Latest River Heights:

Gregory R at Riversleigh *	1.83m steady	08:00 AM SUN 23/01/11
Gregory R at Gregory Downs *	2.54m falling	08:00 AM SUN 23/01/11
Fiery Ck at The 16m Waterhole *	1.88m falling	08:00 AM SUN 23/01/11
Leichhardt R at Floraville *	2.22m steady	08:00 AM SUN 23/01/11
Porcupine Ck at Mt Emu Plains*	1.79m steady	08:00 AM SUN 23/01/11
Flinders R at Glendower *	2.56m falling	08:10 AM SUN 23/01/11
Flinders R at Richmond	2.9m falling fast	09:00 AM SUN 23/01/11
Flinders R at Richmond *	3.7m falling	08:00 AM SUN 23/01/11
Cloncurry R at Cloncurry *	0.85m steady	08:00 AM SUN 23/01/11
Julia Ck at Julia Ck *	1.01m steady	08:00 AM SUN 23/01/11
Dugald R at Rail Crossing *	0.76m steady	08:00 AM SUN 23/01/11
Williams R at Landsborough Highway*	0.67m steady	06:00 AM SUN 23/01/11
Flinders R at Etta Plains *	5.56m rising	08:00 AM SUN 23/01/11
Cloncurry R at Canobie Auto *	3.02m falling	08:00 AM SUN 23/01/11
Flinders R at Walkers Bend *	2.25m falling	08:00 AM SUN 23/01/11
Norman R near Yappar River	2.2m falling slowly	07:00 AM SUN 23/01/11
Norman R at Glenore Weir *	10.53m steady	08:00 AM SUN 23/01/11

Norman R at Normanton	3.14m falling slowly	08:00 AM SUN 23/01/11
Karumba tide *	2.14m falling	05:50 AM SUN 23/01/11
Gilbert R at Riverview	2.1m falling	12:00 PM SAT 22/01/11
Gilbert R at Rockfields *	4.44m falling	08:00 AM SUN 23/01/11
Copperfield R at Kidston Dam HW *	36.49m steady	08:15 AM SUN 23/01/11
Einasleigh R at Einasleigh *	6.53m falling	04:00 AM SUN 23/01/11
Elizabeth Ck at Mt Surprise*	2.08m steady	08:00 AM SUN 23/01/11
Routh Ck at Beef Road *	1.55m steady	08:00 AM SUN 23/01/11
Etheridge R at Roseglen *	2.33m steady	08:00 AM SUN 23/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE GULF RIVERS
Issued at 10:24 AM on Monday the 24th of January 2011
by the Bureau of Meteorology, Brisbane.

Major flooding is occurring on Magnificent Creek at Kowanyama. Fast river level rises are expected downstream along the Flinders River from Etta Plains during the next few days. Minor flooding is easing slowly in the Norman River in the Normanton area.

FLINDERS RIVER:
River levels are expected to continue rising at Etta Plains for the next 1 to 2 days. Areas downstream to Walkers Bend will see fast river level rises during this week. River levels at Walkers Bend are not expected to reach the minor flood level.

NORMAN RIVER:
Minor flooding is slowly easing along the Norman River from near Yappar River to Normanton. River levels are now steady at Yappar River with small renewed rises expected in the next 1 to 2 days from rainfall which fell over upstream parts of the Yappar River late last week. River level rises may also be occurring on the Clara River.

GILBERT RIVER:
River levels across the Gilbert River catchment have eased below minor. River levels rises should be expected at downstream locations late this week and through the weekend.

Weather Forecast:
Isolated showers and thunderstorms.

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Next Issue:
The next warning will be issued at about 10:30am Tuesday.

Latest River Heights:
Flinders R at Glendower *           2.47m steady         06:00 AM MON 24/01/11
Flinders R at Richmond *            2.88m falling        08:00 AM MON 24/01/11
Cloncurry R at Cloncurry *          0.82m steady         08:00 AM MON 24/01/11
Julia Ck at Julia Ck *              0.96m steady         08:00 AM MON 24/01/11
Flinders R at Etta Plains *         6.54m rising         08:00 AM MON 24/01/11
Cloncurry R at Canobie Auto *       2.88m steady         08:00 AM MON 24/01/11
Flinders R at Walkers Bend *        1.88m falling        08:00 AM MON 24/01/11
Norman R near Yappar River          2.15m steady         07:00 AM MON 24/01/11
Norman R at Glenore Weir *          10.3m falling        08:00 AM MON 24/01/11
Norman R at Normanton               3.01m falling slowly 07:00 AM MON 24/01/11
Karumba tide *                      1.74m falling        09:10 AM MON 24/01/11
Gilbert R at Rockfields *           4.01m falling        04:00 AM MON 24/01/11
Copperfield R at Spanner Waterhole* 2.94m steady         08:00 AM MON 24/01/11
Copperfield R at Kidston Dam HW *   36.37m steady        08:00 AM MON 24/01/11
Copperfield R at Kidston Dam TW *   2.76m steady         08:00 AM MON 24/01/11
Einasleigh R at Einasleigh *        4.93m falling        04:00 AM MON 24/01/11
Elizabeth Ck at Mt Surprise*        2.04m steady         08:00 AM MON 24/01/11
Routh Ck at Beef Road *             1.46m steady         08:00 AM MON 24/01/11
Etheridge R at Roseglen *           2.19m steady         08:00 AM MON 24/01/11
Mitchell R at Cooktown Crossing *   5.31m falling        04:00 AM MON 24/01/11
Mitchell R at OK Bridge *           7.73m falling        08:10 AM MON 24/01/11
Mitchell R at Gamboola *            12.3m falling        08:20 AM MON 24/01/11
Palmer R at Goldfields *            2.78m falling        08:00 AM MON 24/01/11
Palmer R at Drumduff *              10.31m falling       08:30 AM MON 24/01/11
Mitchell R @ Koolatah *             11.48m falling       08:36 AM MON 24/01/11
Magnificent Ck at Kowanyama Airport 4.0m rising          09:20 AM MON 24/01/11

* denotes automatic station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE GULF RIVERS
Issued at 9:25 AM on Tuesday the 25th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue along the Norman River from nr. the Yappar River to
Normanton. River levels are expected to ease slowly over the coming days
although there is a small possibility of rises from upstream catchment areas.
The situation will continue to be monitored and warnings will start again if
required.  Along the Flinders River, river levels at Walkers Bend will rise but
are not expected to reach minor flood levels.

Next Issue:
This is the final warning. River height bulletins will continue to be issued and
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updates will appear in the Flood Warning Summary.

Latest River Heights:

Flinders R at Etta Plains *	7.05m rising	08:00 AM TUE 25/01/11
Cloncurry R at Canobie Auto *	2.79m steady	08:00 AM TUE 25/01/11
Flinders R at Walkers Bend *	2.04m rising	08:00 AM TUE 25/01/11
Norman R near Yappar River	2.15m steady	07:00 AM TUE 25/01/11
Norman R at Glenore Weir *	10.07m steady	08:00 AM TUE 25/01/11
Norman R at Normanton	2.9m falling slowly	07:00 AM TUE 25/01/11
Karumba tide *	2.01m falling	08:30 AM TUE 25/01/11
Gilbert R at Rockfields *	3.75m steady	06:00 AM TUE 25/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

TO::BOM601

IDQ20875

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE GULF RIVERS
Issued at 9:46 AM on Tuesday the 25th of January 2011
by the Bureau of Meteorology, Brisbane.

Minor flood levels continue along the Norman River from nr. the Yappar River to Normanton. River levels are expected to ease slowly over the coming days although there is a small possibility of rises from upstream catchment areas. The situation will continue to be monitored and warnings will start again if required. Along the Flinders River, river levels at Walkers Bend will rise but are not expected to reach minor flood levels.

Next Issue:
This is the final warning. River height bulletins will continue to be issued.

Latest River Heights:

Flinders R at Etta Plains *	7.05m rising	08:00 AM TUE 25/01/11
Cloncurry R at Canobie Auto *	2.79m steady	08:00 AM TUE 25/01/11
Flinders R at Walkers Bend *	2.04m rising	08:00 AM TUE 25/01/11
Norman R near Yappar River	2.15m steady	07:00 AM TUE 25/01/11
Norman R at Glenore Weir *	10.07m steady	08:00 AM TUE 25/01/11
Norman R at Normanton	2.97m falling slowly	07:00 AM TUE 25/01/11
Karumba tide *	1.91m falling	09:10 AM TUE 25/01/11

*automatic station

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-8(31)"

Queensland Flood Warning Summary

1 December 2010 to 31 January 2011

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IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:47 AM on Wednesday the 1st of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK

For more information on flood warnings see: www.bom.gov.au/qld/warnings/

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor
flooding rising slowly at Monkira.

Paroo River: Minor flooding is falling slowly at Hungerford.

Moonie River: Minor flooding is rising at Nindigully.

Dawson River: Minor flooding is rising at Tarana Crossing.


Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.
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IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:30 PM on Wednesday the 1st of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER
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Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Paroo River: Minor flooding is falling slowly at Hungerford.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:38 AM on Thursday the 2nd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more details at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Paroo River: Minor flooding is easing slowly at Hungerford.

Maranoa and Balonne Rivers: Minor flooding is occurring on the Maranoa River at Currawong. Minor flooding is rising along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology

Queensland

Flood Summary
Issued at 11:56 PM on Thursday the 2nd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Paroo River: Minor flooding is easing slowly at Hungerford.

Maranoa and Balonne Rivers: Minor flooding is occurring on the Maranoa River at Currawong. Moderate flooding is rising along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:06 AM on Friday the 3rd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

* for more information on flood warnings see: www.bom.gov.au/qld/warnings .

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Paroo River: Overnight rainfall in the Eulo area is producing river level rises and minor flooding. Minor flooding is easing slowly at Hungerford.

Maranoa and Balonne Rivers: Minor flooding is occurring on the Maranoa River at Currawong. Moderate flooding is rising along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel.

Burdekin River: Minor flooding is being recorded in the Suttor River at St Anns.

Pioneer River: Minor flooding is easing in the Dumbleton Rocks area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:31 PM on Friday the 3rd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

For more information on flood warnings see: www.bom.gov.au/qld/warnings .

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Maranoa and Balonne Rivers: Minor flooding is occurring on the Maranoa River at Currawong. Moderate flooding is rising along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel.

Burdekin River: Minor flooding is being recorded in the Suttor River at St Anns.

Pioneer River: Minor flooding is easing in the Dumbleton Rocks area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 2:19 PM on Friday the 3rd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Maranoa and Balonne Rivers: Minor flooding is occurring on the Maranoa River at Currawong. Moderate flooding is rising along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel.

Burdekin River: Minor flooding is being recorded in the Suttor River at St Anns. Minor flooding in Jacks Creek.

Pioneer River: Minor flooding is easing in the Dumbleton Rocks area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:57 PM on Friday the 3rd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Maranoa and Balonne Rivers: Minor flooding is occurring on the Maranoa River at Currawong. Moderate flooding is rising along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel.

Burdekin River: Minor flooding is being recorded in the Suttor River at St Anns. Minor flooding at Jacks Creek and Myuna in the Bowen River catchment and along the Cape River at Taemas.

Pioneer River: Minor flooding is easing in the Dumbleton Rocks area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:24 AM on Saturday the 4th of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

for more information on flood warnings see: www.bom.gov.au/qld/warnings .

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels are falling at Diamantina Lakes with minor flooding rising at Monkira.

Maranoa River: Minor flooding is occurring on the Maranoa River at Currawong and Mitchell and downstream at Old Cashmere.

Balonne River: Minor flooding is rising between Surat at Weribone. Moderate flooding is easing along Yuleba Creek. Minor flooding is occurring on the Ballandool and Bokhara Rivers at Hebel. Below minor rises are being recorded in Bungil Creek at Roma.

Burdekin River: Minor flooding is being recorded in the Suttor River at St Anns, Belyando River at Albro and in the Cape River at Taemas.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:31 AM on Sunday the 5th of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels rising slowly at Monkira.

Moonie River: Minor flooding rising at Nindigully.

Severn River: Some minor flooding occurring along Quart Pot Creek in the Stanthorpe area.

Logan-Albert Rivers: Minor flooding occurring at Rathdowney on the Logan River. Minor flooding rising at Boonah on Teviot Brook with further rises expected.

Sunshine Coast: Stream rises occurring across the Sunshine Coast, with minor flooding occurring on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding remains steady on the Suttor River at St Anns and on the Belyando River at Albro. Minor flooding easing on the Cape River at Taemas.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:58 PM on Sunday the 5th of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flood levels rising slowly at Monkira.

Moonie River: Minor flooding rising at Nindigully.

Severn River: Some minor flooding occurring along Quart Pot Creek in the Stanthorpe area.

Logan-Albert Rivers: Minor flooding easing at Rathdowney on the Logan River. Renewed rises and minor flooding at Boonah on Teviot Brook.

Gold Coast and Hinterland: Minor flooding easing along Mudgeeraba Creek.

Sunshine Coast and Hinterland: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns and on the Belyando River at Albro. Minor flooding remains steady on the Cape River at Taemas.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:18 PM on Sunday the 5th of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER

FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LAIDLEY, LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding rising slowly at Monkira.

Moonie River: Minor flooding rising at Nindigully.

Severn River: Minor flooding occurring along Quart Pot Creek in the Stanthorpe area.

Logan-Albert Rivers: Minor flooding easing at Rathdowney on the Logan River. Renewed rises and moderate flooding on Teviot Brook at Boonah.

Gold Coast and Hinterland: Stream levels remain high, with minor flooding easing on Mudgeeraba Creek.

Sunshine Coast and Hinterland: Stream levels remain high, with minor flooding occurring at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns, on the Belyando River at Albro, and on the Cape River at Taemas.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:59 PM on Sunday the 5th of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding rising slowly at Monkira.

Moonie River: Minor flooding rising at Nindigully.

Severn River: Minor flooding occurring along Quart Pot Creek in the Stanthorpe area.

Logan-Albert Rivers: Minor flooding continues at Rathdowney on the Logan River. Minor flooding easing on Teviot Brook at Boonah.

Gold Coast and Hinterland: Minor flooding easing on Mudgeeraba Creek.

Ipswich Creeks & Bremer River: Minor flooding generally easing on Laidley and Warrill Creeks and on the Bremer River upstream of Ipswich. A minor flood peak is expected during Sunday evening on Warrill Creek at Amberley.

Sunshine Coast and Hinterland: Minor flooding continues at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns, on the Belyando River at Albro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:54 AM on Monday the 6th of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE RIVER, BALONNE RIVER AND TRIBUTARIES AND MARANOA RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/warnings .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding rising slowly at Monkira.

Moonie River: Minor flooding rising at Nindigully.

Logan-Albert Rivers: Minor flooding continues at Rathdowney on the Logan River.

Ipswich Creeks & Bremer River: Minor flooding continues on Laidley and Warrill Creeks and on the Bremer River upstream of Ipswich.

Sunshine Coast and Hinterland: Moderate flooding continues at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing on the Suttor River at St Anns and on the Belyando River at Albro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:48 AM on Tuesday the 7th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Renewed rises and minor flooding occurring at Diamantina Lakes. Minor flood levels remain steady downstream at Monkira.

Warrego River: Minor flooding easing on the Ward and Warrego Rivers.

Moonie River: Minor flooding nearing a peak in the Nindigully area.

Border Rivers: Minor flooding easing on Macintyre Brook at Inglewood Weir.

Ipswich Creeks & Bremer River: Some small renewed rises prolonging minor flooding on Laidley and Warrill Creeks and on the Bremer River upstream of Ipswich.

Sunshine Coast and Hinterland: Moderate flooding continues at Jordan St on the

Mooloolah River and at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:19 PM on Tuesday the 7th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Renewed rises and minor flooding occurring at Diamantina
Lakes. Minor flood levels remain steady downstream at Monkira.

Moonie River: Minor flooding nearing a peak in the Nindigully area.

Ipswich Creeks & Bremer River: Some small renewed rises prolonging minor
flooding on Laidley and Warrill Creeks and on the Bremer River upstream of
Ipswich.

Sunshine Coast and Hinterland: Moderate flooding continues at Jordan St on the
Mooloolah River and at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:21 AM on Wednesday the 8th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEKFLOOD WARNING FOR THE FITZROY RIVER BASIN

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

For more detail on flood warnings see: www.bom.gov.au/qld/warnings .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding is rising at Mt Driven and is peaking in the Nindigully area.

Sunshine Coast and Hinterland: Moderate flooding continues at Jordan St on the Mooloolah River and at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Macintyre River: Minor flooding rising at New Kildonan.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:33 AM on Wednesday the 8th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding is rising at Mt Driven and is peaking in the Nindigully area.

Macintyre River: Minor flooding rising at New Kildonan.

Sunshine Coast and Hinterland: Minor flooding continues at Jordan St on the Mooloolah River and at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding continues on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:55 AM on Thursday the 9th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding easing slowly between Diamantina Lakes and Monkira.

Moonie River: Minor flooding is rising at Mt Driven and is peaking in the Nindigully area.

Macintyre River: Minor flooding expected at Terrewah.

Sunshine Coast and Hinterland: Minor flooding easing at Diddillibah on Paynter Creek.

Burdekin River: Minor flooding easing on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:13 AM on Friday the 10th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE, MARANOA, AND BALONNE RIVERS AND TRIBUTARIES
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding remains steady in the Nindigully area.

Macintyre River: Minor flooding rising at Terrewah.

Burdekin River: Minor flooding easing on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:23 AM on Saturday the 11th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BALONNE RIVER

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
PRELIMINARY FLOOD WARNING FOR MACINTYRE RIVER AND TRIBUTARIES

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding remains steady in the Nindigully area.

Macintyre River: Minor flooding rising at Terrewah.

Burdekin River: Minor flooding easing on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:51 PM on Saturday the 11th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM
MARYBOROUGH TO THE NSW BORDER
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
PRELIMINARY FLOOD WARNING FOR MACINTYRE RIVER AND TRIBUTARIES

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding remains steady in the Nindigully area.

Macintyre River: Minor flooding rising at Terrewah.

Burdekin River: Minor flooding easing on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:02 PM on Saturday the 11th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM
MARYBOROUGH TO THE NSW BORDER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
PRELIMINARY FLOOD WARNING FOR MACINTYRE RIVER AND TRIBUTARIES

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Moonie River: Minor flooding remains steady in the Nindigully area.

Macintyre River: Minor flooding rising at Terrewah.

Burdekin River: Minor flooding easing on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:34 AM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Don River: Minor flooding is occurring at Reeves.

Burnett River: Moderate flooding is rising on the Degilbo Creek at Coringa. Minor flooding is rising on the Boyne River at Derra.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:14 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

for more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Burnett River: Moderate flooding is rising on the Degilbo Creek at Coringa.
Minor flooding is rising on the Boyne River at Derra.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:31 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM
MARYBOROUGH TO BRISBANE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

for more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Burnett River: Moderate flooding is rising on the Degilbo Creek at Coringa.
Minor flooding is rising on the Boyne River at Derra.

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:50 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

for more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Burnett River: Moderate flooding is rising on the Degilbo Creek at Coringa.
Minor flooding is rising on the Boyne River at Derra.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:17 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE KOLAN RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Burnett River: Major flooding is rising on the Degilbo Creek at Coringa. Minor flooding is rising on the Boyne River at Derra.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:43 PM on Sunday the 12th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BOYNE, BARAMBAH AND LOWER BURNETT CATCHMENTS
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN ROCKHAMPTON AND MARYBOROUGH

FLOOD WARNING FOR COASTAL STREAMS AND ADJACENT INLAND CATCHMENTS FROM MARYBOROUGH TO BRISBANE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER

FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE KOLAN RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Minor flooding is rising in the Southwood area.

Macintyre River: Moderate flooding is occurring at Terrewah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:41 AM on Monday the 13th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BOYNE, BARAMBAH AND LOWER BURNETT CATCHMENTS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE KOLAN RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising at Richmond.

Diamantina River: is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding easing at Terrewah.

Sunshine Coast: Isolated moderate flooding continues on Paynter Creek at Diddillibah and on the Mooloolah River at Jordan Street.

Baffle Creek: Minor flooding rising at Mimdale.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:31 AM on Monday the 13th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising at Richmond.

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding easing at Terrewah.

Sunshine Coast: Isolated moderate flooding continues on Paynter Creek at Diddillibah and on the Mooloolah River at Jordan Street.

Burnett River: Minor flooding easing on the Boyne River between Cooranga and Derra. Minor flooding easing on Degilbo Creek at Coringa.

Kolan River: Minor flooding easing between Bucca Weir and Gooburrum.

Baffle Creek: Minor flooding rising at Mimdale.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:14 AM on Monday the 13th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding rising at Richmond.

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding
continues downstream in the Nindigully area.

Macintyre River: Minor flooding easing at Terrewah.

Sunshine Coast: Isolated moderate flooding continues on Paynter Creek at
Diddillibah and on the Mooloolah River at Jordan Street.

Burnett River: Minor flooding easing on the Boyne River between Cooranga and
Derra. Minor flooding occurring at Walla.

Kolan River: Minor flooding easing at Gooburrum.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.
Minor flooding rising on the the Bowen River at Myuna.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:48 PM on Monday the 13th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR FLINDERS RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CHERWELL AND BURRUM RIVERS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding easing at Terrewah.

Sunshine Coast: Isolated moderate flooding continues on Paynter Creek at Diddillibah and on the Mooloolah River at Jordan Street.

Burnett River: Minor flooding easing on the Boyne River between Cooranga and Derra. Minor flooding occurring at Walla.

Kolan River: Minor flooding easing at Gooburrum.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns. Minor flooding rising on the the Bowen River at Myuna.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:33 PM on Monday the 13th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR FLINDERS RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR WEIR RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding easing at Terrewah.

Sunshine Coast: Isolated moderate flooding continues on Paynter Creek at Diddillibah and on the Mooloolah River at Jordan Street.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns. Minor flooding rising on the the Bowen River at Myuna.

Gregory River: Minor flooding at Burrum Highway.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:41 AM on Tuesday the 14th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER

FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Moonie River: Moderate flooding nearing a peak at Southwood. Minor flooding continues downstream in the Nindigully area.

Macintyre River: Minor flooding at Bengalla, Kildonan and Goondiwindi.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.

Warrill Creek: Moderate flooding at Harrisville.

Flinders River: Minor flood levels falling at Richmond.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:47 PM on Tuesday the 14th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR BURNETT CATCHMENT
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Macintyre River: Minor flooding at Bengalla, Kildonan and Goondiwindi.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.

Warrill Creek: Moderate flooding at Harrisville.

Flinders River: Minor flood levels falling at Richmond.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:52 PM on Tuesday the 14th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is occurring at Diamantina Lakes.

Macintyre River: Minor flooding at Bengalla, Kildonan and Goondiwindi.

Burdekin River: Minor flooding rising slowly on the Suttor River at St Anns.

Warrill Creek: Minor flooding at Harrisville and Churchbank Weir.

Flinders River: Minor flood levels falling at Richmond.

Mary River: Minor flooding between Gympie and Home Park.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:01 AM on Wednesday the 15th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding rising slowly at Diamantina Lakes.

Macintyre River: Minor flooding occurring in the Goondiwindi area, between Kildonen and Terrewah.

Bremer River: Minor flooding occurring between Rosewood and the Five Mile Bridge at Walloon.

Mary River: Minor flooding easing at Home Park.

Burnett River: Minor flooding easing on Three Moon Ck at Abercorn, on the Boyne River at Derra, and on the Burnett River at Marriages.

Burdekin River: Minor flooding easing slowly on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:19 AM on Thursday the 16th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LANGLO, WARD AND LOWER WARREGO RIVERS

FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding rising slowly at Diamantina Lakes. Minor flooding rising downstream at Monkira.

Macintyre River: Minor flooding easing in the Goondiwindi area, with moderate flooding rising downstream at Terrewah.

Burnett River: Minor flooding easing slowly on the Boyne River at Derra.

Burdekin River: Minor flooding occurring on the Belyando River at Albro and on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:01 PM on Thursday the 16th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LANGLO, WARD AND LOWER WARREGO RIVERS
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding rising slowly at Diamantina Lakes. Minor flooding rising downstream at Monkira.

Macintyre River: Minor flooding easing in the Goondiwindi area, with moderate flooding rising downstream at Terrewah.

Burdekin River: Minor flooding occurring on the Belyando River at Albro and on the Suttor River at St Anns.

Maroochy Catchment: Minor flooding is rising at Yandina and at Diddillibah.

Warrill Creek: Minor flooding is rising at Harrisville and Amberley.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:03 AM on Friday the 17th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS
FLOOD WARNING FOR THE LOWER WARREGO RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding remains steady at Diamantina Lakes. Minor
flooding rising slowly downstream at Monkira.

Weir River: Minor flooding rising slowly between Giddi Giddi and Surrey.

Macintyre River: Moderate flooding approaching a peak at Terrewah.

Brisbane River: Minor flooding occurring on Warrill Creek between Harrisville
and Amberley. Minor flooding occurring on the Bremer River between Rosewood and
Walloon.

Maroochy Catchment: Minor flooding rising on Paynter Creek at Diddillibah, and
at Jordan St on the Mooloolah River.

Burdekin River: Minor flooding occurring on the Belyando River at Albro and on
the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 2:43 PM on Friday the 17th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS
FLOOD WARNING FOR THE LOWER WARREGO RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding remains steady at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding rising slowly between Giddi Giddi and Surrey.

Macintyre River: Moderate flooding approaching a peak at Terrewah.

Brisbane River: Minor flooding occurring on Warrill Creek between Harrisville and Amberley. Minor flooding occurring on the Bremer River between Rosewood and Walloon.

Maroochy Catchment: Minor flooding rising on Paynter Creek at Diddillibah, and at Jordan St on the Mooloolah River.

Burdekin River: Minor flooding occurring on the Belyando River at Albro and on the Suttor River at St Anns.

Burnett catchment: Minor flooding at Cooranga and Derra along the Boyne River likely to continue through the weekend. Minor flooding occurring at Proston along the Stuart River. Minor flooding at Walla along the lower Burnett. Minor flooding also occurring along Boonara Creek at Ettiewyn.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:23 AM on Saturday the 18th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DAWSON AND FITZROY RIVERS
FLOOD WARNING FOR THE LOWER WARREGO RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER

See Flood Warnings for more detail at www.bom.gov.au/qld/flood/.

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding remains steady at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Giddi Giddi and Surrey.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding occurring on Warrill Creek at Amberley.

Maroochy Catchment: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Burnett catchment: Minor flooding at Cooranga and Derra along the Boyne River to continue through the weekend. Minor flooding easing at Proston along the Stuart River. Minor flooding easing at Walla along the lower Burnett.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:29 AM on Sunday the 19th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOYNE AND STUART RIVERS AND DEGILBO CREEK

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See Flood Warnings for more detail at www.bom.gov.au/qld/flood/.

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Brisbane River: Minor flooding occurring on the upper Brisbane River between Linville and Devon Hills.

Maroochy Catchment: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:00 PM on Sunday the 19th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE AUBURN, BOYNE AND STUART RIVERS AND DEGILBO CREEK
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Brisbane River: Minor flooding occurring on the upper Brisbane River between Linville and Devon Hills.

Maroochy Catchment: Minor flooding easing on Paynter Creek at Diddillibah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Brisbane Catchment: Minor flooding is occurring between Linville and Gregor Creek with moderate flood levels likely at Gregor Creek overnight. Minor to moderate flood levels should be expected along Warrill and Western Creeks overnight. Moderate flooding is also likely along Woogaroo Creek.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:23 PM on Sunday the 19th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along teh LOgan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:16 AM on Monday the 20th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM

FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor
flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising
at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along the
Logan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina,
Diddillibah Palmwoods and Jordan Street.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:31 PM on Monday the 20th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along the Logan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Upper Brisbane: Moderate flooding at Gregor Creek with minor flooding at Devon Hills and Linville. Levels will continue to fall overnight.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:57 PM on Monday the 20th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Moderate flooding is easing at Diamantina Lakes. Minor flooding rising slowly downstream at Monkira.

Weir River: Minor flooding between Hartmann Bridge and Surrey.

Macintyre River: Moderate flooding continues at Terrewah with minor flood rising at New Kildonan.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Albert/Logan: Minor flooding along the Teviot Brook at Boonah and along the Logan River at Rathdowney and Round Mountain.

Mooloolah/Maroochy Catchments: Minor flooding at Doonan Creek, Yandina, Diddillibah Palmwoods and Jordan Street.

Upper Brisbane: Moderate flooding at Gregor Creek with minor flooding at Devon Hills and Linville. Levels will continue to fall overnight.

Bohle River: Minor flooding is occurring at Hervey Range Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:10 AM on Tuesday the 21st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEKFLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS

FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER
for more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is continuing between Diamantina Lakes and Monkira.

Weir River: Minor flooding between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Mooloolah/Maroochy Catchments: Minor flooding at Diddillibah and Jordan Street.

Upper Brisbane: Moderate flooding at Gregor Creek with minor flooding at Devon Hills and Linville. Levels will continue to fall during Wednesday.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:52 PM on Tuesday the 21st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE PAROO RIVER
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is continuing between Diamantina Lakes and Monkira.

Weir River: Minor flooding between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Burdekin River: Minor flooding occurring on the Suttor River at St Anns.

Mooloolah/Maroochy Catchments: Minor flooding at Diddillibah.

Upper Brisbane: minor flooding at Devon Hills and Linville.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:18 AM on Wednesday the 22nd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR LAIDLEY AND WARRILL CREEKS AND THE BREMER AND BRISBANE RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor to moderate flooding continues to slowly ease between
Caiwarro and Hungerford, where river levels remain at a peak.

Moonie River: Minor to moderate flooding continues between Nindigully and Fenton
during this week.

Weir River: Minor flooding continues between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Mary River: Minor to moderate flooding continues to ease between Gympie and Home
Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and
on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on

telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:36 AM on Wednesday the 22nd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DAWSON, ISAAC AND COMET RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in the Nicholson River at Gregory Downs. Rises extending along the Flinders River between Canobie and Walkers Bend, where levels should remain below minor.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor to moderate flooding continues to slowly ease between Caiwarro and Hungerford, where river levels remain at a peak.

Moonie River: Minor to moderate flooding continues between Nindigully and Fenton during this week.

Weir River: Minor flooding continues between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Mary River: Minor to moderate flooding continues to ease between Gympie and Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:08 PM on Wednesday the 22nd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DAWSON, ISAAC AND COMET RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in the Nicholson River at Gregory Downs.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor to moderate flooding continues to ease slowly between Caiwarro and Hungerford, where river levels remain at a peak.

Moonie River: Minor to moderate flooding continues between Nindigully and Fenton during this week.

Weir River: Minor flooding continues between Surrey and Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Mary River: Minor to moderate flooding continues to ease between Gympie and Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns.

Brisbane River: SEQ Water advises of realeases from Wivenhoe Dam. Minor flooding is occurring at Savages and Mt Crosby.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:04 AM on Thursday the 23rd of December 2010

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DAWSON, ISAAC AND COMET RIVERS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing in the Nicholson River at Gregory Downs.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding remains steady at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Sunshine Coast: Localised minor flooding occurring on the Mooloolah River and in Paynter Creek at Diddillibah.

Mary River: Minor flooding easing at Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns.

Herbert River: Minor flooding occurring on the lower Herbert River in the Abergowrie area, and also on the Stone River at Peacock Siding.

Mulgrave & Russell Rivers: Minor flooding occurring along the Mulgrave River in the Peets Bridge area. River rises occurring along the Russell River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:16 PM on Thursday the 23rd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER

FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding remains steady at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Sunshine Coast: Localised minor flooding occurring on the Mooloolah River and in Paynter Creek at Diddillibah. Some minor flooding occurring with the high tide at Lake Cooroibah on the Noosa River.

Mary River: Minor flooding easing at Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns.

Mulgrave & Russell Rivers: Minor flooding continues along the Mulgrave River, with river rises occurring along the Russell River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:51 PM on Thursday the 23rd of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE TULLY RIVER.

FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding remains steady at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Sunshine Coast: Localised minor flooding occurring on the Mooloolah River and in Paynter Creek at Diddillibah. Some minor flooding occurring with the high tide at Lake Cooroibah on the Noosa River.

Mary River: Minor flooding easing at Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding at Mt Fullstop.

Brisbane River: Minor flooding at Gatton along Lockyer Creek and at Harrisville along Warrill Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:09 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE TULLY RIVER.
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding remains steady at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Sunshine Coast: Localised minor flooding occurring on the Mooloolah River and in Paynter Creek at Diddillibah. Some minor flooding occurring with the high tide at Lake Cooroibah on the Noosa River.

Mary River: Minor flooding easing at Home Park.

Burdekin River: Minor flooding rising slowly on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding at Mt Fullstop.

Brisbane River: Minor flooding along Lockyer Creek, Warrill Creek and Bremer River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:57 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE TULLY RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Brisbane River: Minor flooding rising on the upper Brisbane River at Linville. Minor flooding occurring along Lockyer and Warrill Creeks. Minor to moderate flooding occurring in the Bremer River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:50 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding rising on the upper Brisbane River at Linville. Minor flooding occurring along Lockyer and Warrill Creeks. Minor to moderate flooding occurring in the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on

the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Tully River: Minor flooding continues to ease at Euramo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:12 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Logan-Albert Rivers: Minor flooding rising on the Logan River at Rathdowney.

Brisbane River: Minor flooding rising on the upper Brisbane River between Linville and Devon Hills. Minor flooding occurring along Lockyer and Warrill Creeks and along the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Tully River: Minor flooding continues to ease at Euramo.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:29 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BULLOO RIVER
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Logan-Albert Rivers: Minor flooding rising on the Logan River at Rathdowney.

Brisbane River: Minor flooding rising on the upper Brisbane River between
Linville and Devon Hills. Minor flooding occurring along Lockyer and Warrill
Creeks and along the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on
the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the
Burdekin River.

Herbert River: Moderate flooding continues to ease at Halifax.

Tully River: Minor flooding continues to slowly ease at Euramo.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:06 AM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Moderate flooding slowly easing at Thargomindah.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding rising on the upper Brisbane River between Linville and Devon Hills. Minor flooding occurring along Lockyer and Warrill Creeks and along the Bremer River.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Herbert River: Moderate flooding continues to ease at Halifax.

Tully River: Minor flooding continues to slowly ease at Euramo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:21 PM on Friday the 24th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE JORDAN & BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Moderate flooding slowly easing at Thargomindah.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flooding on the upper Brisbane River between Linville and Devon Hills.

Burdekin River: Moderate flooding rising on the Belyando River at Albro and on the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:57 AM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE JOHNSTONE RIVER
FLOOD WARNING FOR THE LOWER HERBERT RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Moderate flooding slowly easing at Thargomindah.

Paroo River: Moderate flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues at Jericho.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Moderate flood levels along Woogaroo Creek and along Warrill Creek at Amberley.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Minor flooding is occurring at Mt Fullstop on the Burdekin River and along Jacks Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:16 AM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE JOHNSTONE RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues at Jericho and downstream.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly along Warrill Creek at Amberley.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding is occurring along the Bowen River downstream of Jacks Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:20 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE JOHNSTONE RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues at Jericho and downstream.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly along Warrill Creek at Amberley.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor

flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 2:28 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE JOHNSTONE RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly in Warrill Creek at Amberley. Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues to ease slowly at Mt Dangar and at Bowen

Pump Station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:09 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE JOHNSTONE RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising slowly in Warrill Creek at Amberley.
Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in
the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor
flooding continues along the Suttor River at St Anns. Rises and minor flooding
are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues to ease slowly at Mt Dangar and at Bowen

Pump Station.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:03 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising in the Bremer River at Spressers
Bridge. Minor flood levels rising slowly in Warrill Creek in the Amberley area.
Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in
the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor
flooding continues along the Suttor River at St Anns. Rises and minor flooding
are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues to ease slowly at Mt Dangar and at Bowen

Pump Station.

Johnstone River: Minor flooding easing in the North Johnstone River at McAvoy Bridge.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:07 PM on Saturday the 25th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER AND ADJACENT COASTAL RIVERS
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing slowly at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues in the Jericho area.

Macintyre River: Moderate flooding continues at Terrewah.

Brisbane River: Minor flood levels rising in the Bremer River at Spressers Bridge. Minor flood levels rising slowly in Warrill Creek in the Amberley area. Isolated minor flooding continues in Woogaroo and Oxley Creeks.

Sunshine Coast: Minor flooding occurring in Paynter Creek at Diddillibah and in the Mooloolah River at Jordan Street.

Burdekin River: Major flooding rising on the Belyando River at Albro and minor flooding continues along the Suttor River at St Anns. Rises and minor flooding are occurring along the Bowen River downstream of Jacks Creek.

Don River: Minor flooding continues at Mt Dangar.

Johnstone River: Minor flooding easing in the North Johnstone River at McAvoy Bridge.

Russell-Mulgrave Rivers: Minor flooding easing on the Mulgrave River, with moderate flooding also easing on the Russell River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:50 AM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding rising slowly between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding easing at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River at Linville and Devon Hills. Minor flooding occurring along the Bremer River between Spressers Bridge and Three Mile Bridge. Minor flooding generally easing along

Warrill Creek between Harrisville and Amberley. Isolated minor flooding easing in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Don River: Minor flooding continues between Mt Dangar and Bowen Pump Station.

Russell-Mulgrave Rivers: Minor flooding continues on the Mulgrave River at The Fisheries. Minor flooding easing on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:32 AM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding easing at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River at Linville

and Devon Hills. Minor flooding occurring along the Bremer River between Spressers Bridge and Three Mile Bridge. Minor flooding generally easing along Warrill Creek between Harrisville and Amberley. Isolated minor flooding easing in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Kolan River: Minor flooding rising at Fred Haigh Dam.

Russell-Mulgrave Rivers: Minor flooding continues on the Mulgrave River at The Fisheries. Minor flooding easing on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:55 AM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Paroo River: Minor flooding easing at Hungerford.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding rising at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills. Minor flooding occurring along the Bremer River between Spressers Bridge and Three Mile Bridge. Minor flooding generally easing along Warrill Creek between Churchbank Weir and Amberley. Isolated minor flooding easing in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Kolan River: Minor flooding rising at Fred Haigh Dam.

Russell-Mulgrave Rivers: Minor flooding continues on the Mulgrave River at The Fisheries. Minor flooding easing on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:23 PM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER
FINAL FLOOD WARNING FOR THE PIONEER RIVER

See flood warnings for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Moonie River: Minor flooding continues between Flinton and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing slowly at Terrewah.

Logan River: Minor flooding rising at Rathdowney.

Brisbane River: Minor flooding rising in the upper Brisbane River between Linville and Devon Hills. Rises and minor flooding occurring along the Bremer River between Spressers Bridge and One Mile Bridge. Minor flooding rising along the Warrill Creek between Harrisville and Amberley. Minor flooding rising in Woogaroo Creek at Opossum. Isolated minor flooding in Oxley Creek.

Sunshine Coast: Minor flooding continues in Paynter Creek at Diddillibah.

Russell-Mulgrave Rivers: Minor flooding esing on the Mulgrave River at The Fisheries and on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:34 PM on Sunday the 26th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER
FINAL FLOOD WARNING FOR THE PIONEER RIVER

See flood warnings for more detail at www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Moonie River: Minor flooding continues between Nindigully and Fenton.

Weir River: Minor flooding continues between Jericho and Mascot.

Macintyre River: Moderate flooding easing at Terrewah.

Russell-Mulgrave Rivers: Minor flooding esing on the Mulgrave River at The Fisheries and on the Russell River between Bucklands and Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:00 AM on Monday the 27th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HAUGHTON RIVER
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER

See flood warnings for more detail at www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Bohle River: Minor flooding is easing at Hervey Range Road.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Moonie River: Minor flooding continues between Nindigully and Fenton with moderate flooding rising in the upper Moonie River at The Deep Crossing.

Weir River: Minor flooding continues between Jericho and Mascot and in the upper Weir River at O'Connor.

Macintyre River: Minor flooding easing at Terrewah.

Russell River: Minor flooding easing on the Russell River at Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:28 PM on Monday the 27th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER CATCHMENT
FLOOD WARNING FOR THE BURNETT CATCHMENT
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER
FINAL FLOOD WARNING FOR THE HAUGHTON RIVER
See flood warnings for more detail at www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Russell River: Minor flooding easing on the Russell River at Clyde Road.

Bohle River: Minor flood levels are rising at Hervey Range Road.

Haughton River Catchment: Minor flooding easing at Major Creek and Giru.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Moonie River: Major flooding rising in the upper Moonie River at The Deep Crossing. Minor flooding continues at Nindigully and Fenton.

Weir River: Major flooding in the upper Weir River at O'Connor. Minor flooding steady at Jericho.

Macintyre River: Minor flooding falling at Barongarook and remaining steady at Terrewah.

Canning Creek: Minor flooding rising at Woodspring.

Broadwater Creek: Minor flooding easing.

Severn River: Moderate flooding rising at Ballandean.

Mudgeeraba Creek: Minor flooding easing at Mudgeeraba.

Canungra Creek: Minor flooding rising at Benobble.

Enoggera Reservoir: Minor flooding steady.

Mooloolah River: Minor flooding at Jordan St.

Paynter Creek: Minor flooding at Diddillibah.

South Maroochy River: Minor flooding falling at Yandina.

Mary River: Minor flooding on the Mary River between Gympie and Home Park.

Burrum River: Minor flooding on the Burrum River at Howard.

Cherwell River: Minor flooding on the Cherwell River at Railway Bridge.

Gregory River: Minor flooding on the Gregory River at Isis Highway.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:00 AM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING
ADJACENT INLAND STREAMS
FLOOD WARNING FOR LAIDLEY, LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO
JERICHO
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE HERBERT RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE TULLY AND MURRAY RIVERS
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER
FINAL FLOOD WARNING FOR THE HAUGHTON RIVER

See flood warning for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Flinders River: Minor flooding at Richmond.

Russell River: Minor flooding easing on the Russell River at Clyde Road.

Bohle River: Minor flood levels are rising at Hervey Range Road.

Haughton River Catchment: Minor flooding easing at Major Creek and Giru.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Blackwater Creek: Minor flooding at Adavale.

Macintyre River: Minor flooding falling at Barongarook and remaining steady at Terrewah.

Canning Creek: Major flooding rising at Woodspring.

Quart Pot Creek: Minor flooding easing at Stanthorpe.

Broadwater Creek: Minor flooding easing.

Severn River: Moderate flooding rising at Ballandean.

Mudgeeraba Creek: Minor flooding easing at Mudgeeraba.

Oxley Creek: Moderate flooding at Beatty Road.

Enoggera Reservoir: Minor flooding steady.

Mooloolah River: Minor flooding at Jordan St.

Paynter Creek: Minor flooding at Diddillibah.

Six Mile Creek: Minor flooding at Cooran.

Doonan Creek: Minor flooding steady.

Mary River: Minor to moderate flooding on the Mary River between Gympie and Home Park.

Munna Creek: Moderate flooding at Marodian.

Burrum River: Minor flooding rising on the Burrum River at Howard.

Cherwell River: Minor flooding rising on the Cherwell River at Railway Bridge.

Gregory River: Moderate flooding on the Gregory River at Isis Highway.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:32 AM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BOHLE RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER

See flood warning for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Magnificent Creek: Moderate flood levels are rising slowly at Kowanyama Airport.

Flinders River: Moderate flooding at Richmond.

Murray River: Minor flooding easing at Murray Flats.

Herbert River: Minor flooding easing between Nash's Crossing and Abergowrie with moderate flooding easing at Halifax.

Don River: Minor flooding is easing between Ida Creek and Bowen Pump Station.

Blackwater Creek: Minor flooding rising at Adavale.

Macintyre River: Minor flooding falling at Barongarook and remaining steady at Terrewah.

Canning Creek: Major flooding easing at Woodspring.

Quart Pot Creek: Minor flooding easing in the Stanthorpe area.

Broadwater Creek: Minor flooding easing.

Severn River: Moderate flooding easing at Ballandean.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:52 AM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR RIVER

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf River: Moderate flooding is occurring at Richmond in the Flinders River. Moderate flooding is rising slowly at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Don River: Minor flooding continues to ease at Reeves and Bowen Pump Station.

Herbert River: Minor flooding continues to ease between Nash's Crossing and Abergowrie with moderate flooding also easing at Halifax.

Tully-Murray Rivers: Minor flooding continues to ease at Murray Flats in the Murray River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:10 PM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BREMER RIVERS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf River: Moderate flooding is occurring at Richmond in the Flinders River. Moderate flooding is rising slowly at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Don River: Minor flooding continues to ease at Reeves and Bowen Pump Station.

Herbert River: Minor flooding continues to ease between Nash's Crossing and Abergowrie with moderate flooding also easing at Halifax.

Tully-Murray Rivers: Minor flooding continues to ease at Murray Flats in the Murray River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:46 PM on Tuesday the 28th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND STREAMS
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW

WIVENHOE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK

See flood warning for more detail at: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding is now easing at Richmond in the Flinders River. Moderate flooding is steady at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Don River: Minor flooding continues to ease at Reeves and Bowen Pump Station.

Herbert River: Minor flooding easing between Nash's Crossing and Abergowrie and downstream at Halifax.

Tully-Murray Rivers: Minor flooding continues to ease at Murray Flats in the Murray River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:19 AM on Wednesday the 29th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN

FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing slowly at Richmond in the Flinders River. Moderate flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding rising slowly between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding is occurring at Adavale in Blackwater Creek.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:00 PM on Wednesday the 29th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK
FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing slowly at Richmond in the Flinders River and at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding is steady between Diamantina Lakes and Monkira.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:23 AM on Thursday the 30th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
FLOOD WARNING FOR COASTAL STREAMS FROM BUNDABERG TO THE NSW BORDER INCLUDING ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS AND MACINTYRE BROOK
FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM

See flood warning for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Upper Brisbane River: Some minor flooding easing above Wivenhoe Dam.

Pioneer River: Some minor flooding generally easing across the upper Pioneer catchment through to Mirani Weir.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 2:55 PM on Thursday the 30th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR WARRILL CREEK AND THE BRISBANE RIVER BELOW WIVENHOE DAM

For further details on flood warnings refer: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Upper Brisbane River: Some minor flooding easing above Wivenhoe Dam.

Pioneer River: Some minor flooding generally easing across the upper Pioneer catchment through to Mirani Weir.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Logan River: Some minor flooding at Macleans Bridge.

Mary River: Minor flooding between Dagun Pocket and the Gympie area. Moderate flooding between Miva and Tiaro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:09 PM on Thursday the 30th of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM INCLUDING ALPHA CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For further details on flood warnings refer: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Upper Brisbane River: Some minor flooding easing above Wivenhoe Dam.

Pioneer River: Some minor flooding generally easing across the upper Pioneer catchment through to Mirani Weir.

Herbert River: Minor flooding continues to ease in the Abergowrie area.

Logan River: Some minor flooding at Macleans Bridge.

Mary River: Minor flooding between Dagun Pocket and the Gympie area. Moderate flooding between Miva and Tiaro.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam until the weekend. The releases, combined with Lockyer Creek flows are expected to result in minor flooding downstream to Mt Crosby Weir during the remainder of this week.

Warrill Creek: Minor flooding continues to ease along Warrill Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:55 AM on Friday the 31st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK INCLUDING JORDAN RIVER TO JERICHO

FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For further details on flood warnings refer: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding at Kowanyama Airport in Magnificent Creek.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding occurring at Quilpie.

Mary River: Minor flooding between Dagun Pocket and the Gympie area. Moderate flooding between Miva and Tiaro.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam until the weekend. Minor flooding will continue downstream to Mt Crosby Weir during today and the weekend. Minor flooding easing at Amberley in Warrill Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:51 PM on Friday the 31st of December 2010

The following Watches/Warnings are current:
FLOOD WARNING FOR BAFFLE CREEK AND THE KOLAN RIVER
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:

Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding rising in the Norman River at Yappar River. Minor flooding rising in the Flinders River at Richmond, with moderate flood levels likely.

Diamantina River: Minor to moderate flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding remains steady at Quilpie.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam during the weekend. Minor flooding will continue downstream to Mt Crosby Weir during today and the weekend.

Mary River: Minor flooding easing in the Mary River between Miva and Home Park, and also in Tinana Creek at Teddington Weir.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:46 AM on Saturday the 1st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport and in the Norman River at Yappar River. Moderate flooding rising in the Flinders River at Richmond.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Lower Brisbane: SEQ Water advises that releases will continue from Wivenhoe dam during the weekend. Minor flooding will continue downstream to Mt Crosby Weir during today and the weekend.

Mary River: Minor flooding easing in the Mary River at Home Park, and also in

Tinana Creek at Teddington Weir.

Kolan River: Major flood levels are easing at the Fred Haigh Dam and will continue easing into next week. Minor flooding is easing downstream in the Monduran area.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:43 AM on Sunday the 2nd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
PRELIMINARY FLOOD WARNING FOR THE FLINDERS RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding rising in the Norman River at Yappar River.

Diamantina River: Minor flooding easing between Diamantina Lakes and Monkira.

Sunshine Coast: Minor flooding rising in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah.

Kolan River: Major flood levels continue to ease at the Fred Haigh Dam.

Tully River: Minor flooding rising at Euramo.

Mulgrave-Russell Rivers: Minor flooding easing at The Fisheries in the Mulgrave River. Minor flooding steady at Clyde Rd in the Russell River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:05 AM on Sunday the 2nd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WARREGO RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
PRELIMINARY FLOOD WARNING FOR THE FLINDERS RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding rising in the Norman River at Yappar River.

Diamantina River: Minor flooding easing between Diamantina Lakes and Monkira.

Sunshine Coast: Minor flooding rising in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah.

Burnett River: Minor flooding continues to ease in the upper Burnett catchment, with moderate flooding easing at Walla Weir.

Kolan River: Major flood levels continue to ease at the Fred Haigh Dam.

Tully River: Minor flooding rising at Euramo.

Mulgrave-Russell Rivers: Minor flooding easing at The Fisheries in the Mulgrave River. Minor flooding steady at Clyde Rd in the Russell River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:56 AM on Monday the 3rd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding easing between Diamantina Lakes and Monkira.

Burnett River: Minor flooding continues to ease in the Boyne River catchment between Cooranga and Derra and at Wall Weir, with moderate flooding easing in Barker Creek at Glenmore.

Kolan River: Moderate flood levels continue to ease at the Fred Haigh Dam.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:28 PM on Monday the 3rd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding rising between Wyandra and Wallen> Moderate flooding rising further downstream between Cunnamulla and Rocky.

Burnett River: Minor flooding continues to ease in the Boyne River between Cooranga and Derra, in Barker Creek at Glenmore. Minor flooding is easing in the Burnett River at Walla Weir.

Kolan River: Moderate flood levels continue to ease at the Fred Haigh Dam.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:57 PM on Monday the 3rd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding rising between Wyandra and Wallen. Moderate flooding rising further downstream between Cunnamulla and Rocky.

Burnett River: Minor flooding continues to ease in the Boyne River between Cooranga and Derra, in Barker Creek at Glenmore. Minor flooding is easing in the Burnett River at Walla Weir.

Kolan River: Moderate flood levels continue to ease at the Fred Haigh Dam.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:10 AM on Tuesday the 4th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVERS
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding rising between Wyandra and Wallen. Moderate flooding rising further downstream between Cunnamulla and Rocky.

Burnett River: Minor flooding continues to ease in the Boyne River at Derra, in Barker Creek at Glenmore. Minor flooding is easing in the Burnett River at Walla Weir.

Kolan River: Moderate flood levels continue to ease at the Fred Haigh Dam.

Don River: Minor flooding easing at Reeves and at Bowen Pump Station.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:38 AM on Tuesday the 4th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURDEKIN RIVER SYSTEM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE GULF RIVERS

FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding is peaking at Wallen. Moderate flooding rising further downstream between Cunnamulla and Rocky.

Burnett River: Minor flooding continues to ease in the Boyne River at Derra, in Barker Creek at Glenmore and in the Burnett River at Walla Weir.

Kolan River: Moderate flood levels continue to ease at the Fred Haigh Dam.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:54 AM on Wednesday the 5th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is easing in the Norman River at Yappar River

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Wallen and Rocky.

Burnett River: Minor flooding continues to ease in the Boyne River between Cooranga and Derra, in Barker Creek at Glenmore and in the Burnett River at Walla Weir.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:48 AM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Wallen and Rocky.

Burnett River: Minor flooding continues to ease in the Boyne River between Dunollie and Derra, in Barker Creek at Glenmore and in the Burnett River at Walla Weir.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:22 AM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
See flood warnings for more detail at www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Burnett River: Minor flooding continues in the Boyne River between Dunollie and Derra, in Barambah Creek at Ficks Crosssing and in the Burnett River at Walla Weir. Moderate flooding is occurring in Barker Creek at Glenmore

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Upper Brisbane River: Minor flooding is occurring between Linville and Devon Hills.

Bremer River: Minor flooding is occurring between Spressers Bridge and Rosewood.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:58 AM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Burnett River: Minor flooding continues in the Boyne River between Dunollie and Derra, in Barambah Creek at Ficks Crossing and in the Burnett River at Walla Weir. Moderate flooding is occurring in Barker Creek at Glenmore

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Upper Brisbane River: Minor flooding is occurring between Linville and Devon Hills.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:25 PM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Burnett River: Minor flooding continues in the Boyne River between Dunollie and Derra, in Barambah Creek at Ficks Crossing and in the Burnett River at Walla Weir. Moderate flooding is occurring in Barker Creek at Glenmore

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor to moderate flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns and in the lower Burdekin River at Millaroo.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 5:27 PM on Thursday the 6th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MARY RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is falling slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and

Monkira.

Warrego River: Moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Belyando/Suttor Rivers between Albro and St Anns.

Logan/Albert Rivers: Minor flooding is rising in the upper Logan River at Rathdowney and is steady in Scrubby Creek.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:21 PM on Friday the 7th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For more information on flood warnings see: www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Glenore Weir.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Belyando/Suttor Rivers downstream from Albro and around St Anns.

Logan/Albert Rivers: Minor flooding is rising in the upper Logan River at Rathdowney and in Teviot Brook at Boonah.

Brisbane Creeks: Minor flooding is easing in Oxley Creek at Archerfield. Minor flooding is occurring on Woogaroo Creek at Opossum.

Sunshine Coast Rivers: Minor flooding is easing on Mooloolah River at Jordan Street. Moderate flooding is occurring on Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:36 PM on Friday the 7th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE THOMSON AND BARCOO RIVERS AND COOPER CREEK
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For more information on flood warnings see: www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Logan/Albert Rivers: Minor flooding is rising in the upper Logan River at Rathdowney and in Teviot Brook at Boonah.

Brisbane Creeks: Minor flooding is easing in Oxley Creek at Archerfield. Minor flooding is occurring on Woogaroo Creek at Opossum.

Sunshine Coast Rivers: Minor flooding is rising in the Eumundi area and easing on Mooloolah River at Jordan Street and in the Maroochy River at Yandina. Moderate flooding is occurring on Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:43 AM on Saturday the 8th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding continues between Cunnamulla and Rocky.

Kolan River: Minor flood levels continue to ease at the Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Logan/Albert Rivers: Minor flooding along the upper Logan River at Rathdowney.

Brisbane Creeks: Minor flooding is easing in Oxley Creek.

Sunshine Coast Rivers: Minor flooding is occurring on Paynter Creek at Diddillibah.

Burrum River: Minor flooding at Howard.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:21 PM on Saturday the 8th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR LOCKYER AND WARRILL CREEKS AND BREMER RIVER
FLOOD WARNING FOR THE BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor to moderate flooding easing between Cunnamulla and Rocky.

Burrum River: Minor flooding is steady at Howard.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary

Issued at 11:08 AM on Sunday the 9th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Sunshine Coast streams: minor to moderate flooding is rising along many creeks and rivers in the Sunshine coast including Coochin Creek, North and South Maroochy Rivers, Paynter Creek and the Mooloolah River.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:57 PM on Sunday the 9th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 2:50 PM on Sunday the 9th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR WARRILL CREEK THE LOWER BRISBANE BELOW WIVENHOE

For more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:40 AM on Monday the 10th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL STREAMS FROM MARYBOROUGH TO THE NSW BORDER
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

For more information on flood warnings see: www.bom.gov.au/qld/flood

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at
Kowanyama. Minor flood is occurring along the Norman River between Yappar River
and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and
Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:38 AM on Tuesday the 11th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS
FLASH FLOOD WARNING FOR LOCKYER CREEK

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding is rising slowly on Magnificent Creek at Kowanyama. Minor flood is occurring along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Warrego River: Minor flooding easing between Cunnamulla and Rocky.

Logan Rivers: Minor to moderate flooding is being recorded in the Logan River between the Rathdowney area downstream to Macleans Bridge.

Teviot Brook: Moderate flooding continues to ease at Boonah.

Kolan River: Minor flood levels rising slowly at Fred Haigh Dam.

Burdekin River: Minor flooding is easing in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:40 AM on Tuesday the 11th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE SUNSHINE COAST RIVERS
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Moderate flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Warrego River: Minor flooding continues between Cunnamulla and Rocky.

Logan-Albert Rivers: Minor to moderate flooding continues along the Logan River through to to Maclean Bridge. Minor flooding is rising along the Albert River between Benobble and Wolffdene. Moderate flooding rising in Teviot Brook at Boonah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:23 AM on Wednesday the 12th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK

FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Logan-Albert Rivers: Minor to major flooding continues along the Logan River through to to Maclean Bridge. Minor flooding continues along the Albert River between Bromfleet and Wolffdene. Major flooding falling in Teviot Brook at Boonah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:21 AM on Wednesday the 12th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER BASIN
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM

FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 1:40 AM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CABOOLTURE RIVER AND SUNSHINE COAST STREAMS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN AND ALBERT RIVERS
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE STANLEY RIVER AND BRISBANE RIVER ABOVE WIVENHOE DAM
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing on Magnificent Creek at Kowanyama. Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:35 AM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE
INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding easing on Magnificent Creek at Kowanyama. Minor
flooding rising slowly along the Norman River between Yappar River and
Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Upper Brisbane River: Minor flooding easing in the Stanley River, Upper Brisbane
River, and Cressbrook Creek above Wivenhoe Dam.

Sunshine Coast: Moderate flooding easing in the Mooloolah River at Jordan St,
and in Paynter Creek at Diddillibah. Minor flooding easing in the Noosa River
between Boreen Point and Lake Cooroibah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at

http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:56 AM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COOPER CREEK
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Upper Brisbane River: Minor flooding easing in the Stanley River, Upper Brisbane River, and Cressbrook Creek above Wivenhoe Dam.

Sunshine Coast: Minor to moderate flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing in the Noosa River between Boreen Point and Lake Cooroibah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Baffle Creek: A small minor peak expected at Mimdale during Thursday may result in creek levels near to the level of Essendean Bridge overnight Thursday.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:04 PM on Thursday the 13th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE LOGAN RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Upper Brisbane River: Minor flooding is easing in the Stanley River, Upper Brisbane River and in the Cressbrook Creek above Wivenhoe Dam.

Sunshine Coast: Minor to moderate flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing in the Noosa River at Lake Cooroibah.

Kolan River: Minor flooding slowly easing at Fred Haigh Dam.

Baffle Creek: A small minor peak expected at Mimdale during Thursday may result in creek levels near to the level of Essendean Bridge overnight Thursday.

Pioneer River: Minor flood levels are rising in Cattle Creek in the Finch Hatton area.

Burdekin River: Minor flooding easing slowly in the Suttor River at St Anns.

Gulf Rivers: Minor flooding rising slowly along the Norman River between Yappar River and Normanton.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology

Queensland

Flood Summary
Issued at 6:21 AM on Friday the 14th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE LOCKYER, BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Logan-Albert Rivers: Some minor flooding easing in the Logan River between Rathdowney and South Maclean. Minor flooding also easing in Slacks Creek at Loganlea Road.

Upper Brisbane River: Minor flooding easing slowly in the upper Brisbane River above Wivenhoe Dam at Devon Hills and in Cressbrook Creek.

Sunshine Coast: Minor flooding easing in the Mooloolah River at Jordan St, and in Paynter Creek at Diddillibah. Minor flooding easing slowly in the Noosa River at Lake Cooroibah.

Baffle Creek: Minor flooding at Mimdale is likely to result in creek levels near to the level of Essendean Bridge during Friday.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:16 PM on Friday the 14th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE BURNETT RIVER AND TRIBUTARIES
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE MARY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding is easing in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding easing slowly in the upper Brisbane River above Wivenhoe Dam at Devon Hills and in Cressbrook Creek.

Kolan River: Moderate flood levels are easing at Fred Haigh Dam.

Baffle Creek: Minor flooding is easing at Mimdale.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:30 AM on Saturday the 15th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding is easing in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding is easing at Devon Hills.

Kolan River: Minor flood levels are easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Burnett Catchment: Minor to moderate flood levels are easing throughout the Burnett catchment.

Mary River: minor to moderate flood levels continue to fall from Miva to Tiaro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:16 PM on Saturday the 15th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BREMER, WARRILL AND BRISBANE RIVER BELOW WIVENHOE INCLUDING BRISBANE CITY
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE WEIR AND MACINTYRE RIVERS

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding is easing in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding is easing at Devon Hills.

Kolan River: Minor flood levels are easing at Fred Haigh Dam.

Burdekin River: Minor flooding easing very slowly in the Suttor River at St Anns.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is easing between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton.

Burnett Catchment: Minor to moderate flood levels are easing throughout the Burnett catchment.

Mary River: minor to moderate flood levels continue to fall from Miva to Tiaro.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:57 AM on Sunday the 16th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FITZROY RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Logan-Albert Rivers: Minor flooding easing slowly in the upper Logan River at Rathdowney.

Upper Brisbane River: Minor flooding easing slowly at Devon Hills.

Burnett River: Isolated minor flooding easing along the Boyne River around Derra, and along the Barker and Barambah Creeks. Minor to moderate flooding easing slowly along the lower Burnett River between Fig Tree and Walla Weir.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Barron River: Minor flood levels are easing in the Clohesy River at Bolton Road.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Gulf Rivers: Minor flooding generally remains steady along the Norman River between Yappar River and Normanton. Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:23 AM on Monday the 17th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding rising slowly in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising at Caiwarro.

Stanthorpe area: Minor flooding continues in Quart Pot Creek.

Burnett Catchment: Isolated minor flooding easing along the Boyne River around Derra. Minor flooding easing slowly along the lower Burnett River around Walla.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. Minor flooding easing in the Fitzroy River between Yaamba and Rockhampton.

Barron River: Minor flooding easing at Mareeba.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:42 PM on Monday the 17th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding continues along the Norman River between Yappar
River and Normanton. Minor flooding rising slowly in Magnificent Creek at
Kowanyama Airport.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising at Caiwarro and Hungerford.

Stanthorpe area: Minor flooding continues in Quart Pot Creek.

Burnett Catchment: Isolated minor flooding easing along the Boyne River around
Derra. Minor flooding easing slowly along the lower Burnett River around Walla.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between
Baralaba and Knebworth. Minor flooding easing in the Fitzroy River between
Yaamba and Rockhampton.

Barron River: Minor flooding easing at Mareeba.

Georgina River: Minor flooding is rising at Urandangi.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:51 AM on Tuesday the 18th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding is steady in Magnificent Creek at Kowanyama Airport.

Georgine River: Rises and minor flooding is occurring at Urandangi. River rises are also occurring at Roxburough Downs in the Georgina River and at Boulia in the Burke River.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding rising at Quilpie.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. River levels have eased below minor in the Fitzroy River between Yaamba and Rockhampton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:32 PM on Tuesday the 18th of January 2011

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Pioneer River: Very heavy rainfall over 100 millimetres has been recorded during the last few hours at Sarichs amd Teemburra Dam. Rises and minor to moderate flooding are possible in the next few hours downstream to Mirani Weir.

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding is steady in Magnificent Creek at Kowanyama Airport.

Georgine River: Rises and minor flooding is occurring at Urandangi. River rises are also occurring at Roxburough Downs in the Georgina River and at Boulia in the Burke River.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding rising at Quilpie.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. River levels have eased below minor in the Fitzroy River between Yaamba and Rockhampton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:10 PM on Tuesday the 18th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BRISBANE RIVER BELOW WIVENHOE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:

Other flooding includes:

Pioneer River: Very heavy rainfall over 100 millimetres has been recorded during the last few hours at Sarichs amd Teemburra Dam. Rises and minor to moderate flooding are possible in the next few hours downstream to Mirani Weir.

Gulf Rivers: Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding is steady in Magnificent Creek at Kowanyama Airport.

Georgine River: Rises and minor flooding is occurring at Urandangi. River rises are also occurring at Roxburough Downs in the Georgina River and at Boulia in the Burke River.

Diamantina River: Minor flooding continues between Diamantina Lakes and Monkira.

Bulloo River: Minor flooding rising at Quilpie.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Kolan River: Minor flooding easing slowly at Fred Haigh Dam.

Fitzroy Catchment: Minor flooding easing in the lower Dawson River between Baralaba and Knebworth. River levels have eased below minor in the Fitzroy River between Yaamba and Rockhampton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:29 AM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor to moderate flooding rising in the upper Flinders River at Hughenden and Richmond. Minor flooding continues along the Norman River between Yappar River and Normanton. Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Georgina River: Rises and minor flooding is occurring at Urandangi and at Roxborough Downs.

Diamantina River: Minor flooding rising between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills. Minor flooding with the high tide at Brisbane City.

Burnett River: Minor and moderate flooding easing in the Boyne River at Cooranga and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to slowly ease in the lower Dawson River between Baralaba and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Barron River: Minor flooding easing at Bilwon.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:03 AM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FlINDERS RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Georgina River: Rises and minor flooding is occurring at Urandangi and at Roxborough Downs.

Diamantina River: Minor flooding rising between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills. Minor flooding with the high tide at Brisbane City.

Burnett River: Minor and moderate flooding easing in the Boyne River at Cooranga and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to slowly ease in the lower Dawson River between Baralaba and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Barron River: Minor flooding easing at Bilwon.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 3:46 PM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FlINDERS RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Georgina River: Rises and minor flooding is occurring at Urandangi and at Roxborough Downs.

Diamantina River: Minor flooding rising between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding rising in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Cooranga and Derra and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to ease in the lower Dawson River between Baralaba and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:53 PM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE FLINDERS RIVER
FLOOD WARNING FOR THE LOCKYER, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport.
Minor flooding continues along the Norman River between Yappar River and
Normanton.

Diamantina River: Minor and moderate flooding is occurring between Diamantina
Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Stanthorpe Area: Minor flooding is occurring in Quart Pot Creek.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon
Hills.

Logan River: Minor flooding rising between Rathdowney and Round Mountain.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra
and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to ease in the lower Dawson River
between Beckers and Knebworth.

Don River: Minor flooding easing between Mt Dangar and Reeves. Minor flood peak
expected overnight at Bowen Pump Station.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in
the Belyando and Bogie Rivers.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 11:43 PM on Wednesday the 19th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FlINDERS RIVER
FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Gulf Rivers: Minor flooding rising in Magnificent Creek at Kowanyama Airport. Minor flooding continues along the Norman River between Yappar River and Normanton.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Stanthorpe Area: Minor flooding is occurring in Quart Pot Creek.

Logan River: Minor flooding rising between Rathdowney and Round Mountain.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Pine River: Minor flooding rising in the South Pine River at Drapers Crossing, with fast rises downstream at Cash's Crossing.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Fitzroy River: Minor flooding continues to ease in the lower Dawson River between Beckers and Knebworth.

Burdekin River: Minor flooding easing at Mt Fullstop. River rises occurring in the Belyando and Bogie Rivers.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,

public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 7:32 AM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE COOPER CREEK
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE FLINDERS RIVER
FLOOD WARNING FOR THE LOCKYER, LAIDLEY, WESTERN AND WARRILL CREEKS AND THE BREMER RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary

Issued at 9:46 AM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS FROM NOOSA TO THE NSW BORDER AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FLINDERS RIVER
FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 2:18 PM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FLINDERS RIVER
FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah.

Mary River: Minor flooding easing along Six Mile Creek.

Logan Catchment: Minor flooding at Round Mountain is easing

Maroochy River: Minor flood levels are falling at Eumundi and continuing along Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:05 PM on Thursday the 20th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE FLINDERS RIVER
FLOOD WARNING FOR THE LOCKYER CREEK AND THE BREMER RIVER
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Johnstone River: Heavy rainfall during Thursday afternoon has caused fast rises and minor to moderate flooding in the North Johnstone River at Nerada and Tung Oil. Further rainfall and rises are possible overnight.

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah.

Mary River: Minor flooding easing along Six Mile Creek.

Logan Catchment: Minor flooding at Round Mountain is easing

Maroochy River: Minor flood levels are falling at Eumundi and continuing along Paynter Creek at Diddillibah.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:44 AM on Friday the 21st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER
FLOOD WARNING FOR THE GULF RIVERS

Additional information:
Other flooding includes:

Herbert River: Minor flooding is rising at Nash's Crossing.

Mitchell River: Minor flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Brisbane River: Minor flooding continues in the upper Brisbane River at Devon Hills.

Burnett River: Minor flooding is rising along the upper Burnett at Wuruma Dam and Eidsvold. Minor and moderate flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Gregory River: Minor flooding at Gregory Downs.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah and Durham Downs.

Maroochy River: Minor flood levels are rising along Doonan Creek.

Mooloolah River: Minor flooding at Jordan Street.

Dawson River: Minor flood levels are rising between Woodleigh and Beckers. Flood levels are expected to remain minor.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:55 PM on Friday the 21st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE LOWER WEIR AND MACINTYRE RIVERS
FLOOD WARNING FOR THE MOONIE RIVER

Additional information:
Other flooding includes:

Herbert River: Minor flooding is rising at Nash's Crossing.

Mitchell River: Moderate flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding rising slowly between Caiwarro and Hungerford.

Burnett River: Minor flooding is rising along the upper Burnett at Wuruma Dam and Eidsvold. Minor flooding easing in the Boyne River at Derra and in Barker Creek at Glenmore.

Burdekin River: Minor flooding continues at Mt Fullstop.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah and Durham Downs.

Maroochy River: Minor flood levels are rising along Paynter Creek.

Mooloolah River: Minor flooding at Jordan Street is easing.

Dawson River: Minor flood levels are rising between Moura and Beckers and falling at Woodleigh. Flood levels are expected to remain minor.

Georgina River: Minor flooding at Urandangi is steady.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:28 AM on Saturday the 22nd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE LOWER WEIR RIVER
FLOOD WARNING FOR THE GULF RIVERS

Additional information:
Other flooding includes:

Mitchell River: Moderate flooding rising in Magnificent Creek at Kowanyama Airport.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Burnett River: Minor flooding is easing at Wuruma Dam and in Barker Creek at Glenmore.

Thomson River and Cooper Creek: Minor flooding at Stonehenge and Jundah is easing and moderate flooding continues at Windorah and Durham Downs.

Maroochy River: Minor flood levels are rising along Paynter Creek.

Dawson River: Minor flood levels are rising between Baralaba and Beckers and falling at Moura. Flood levels are expected to remain minor.

Moonie River: Minor flood levels are falling at Nindigully. Moderate flooding at Thallon and Fenton will ease through the next 7 days.

Macintyre River: Minor flood levels continue to fall at Kildonan and Goondiwindi.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:18 AM on Sunday the 23rd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN COOKTOWN AND TOWNSVILLE
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE LOWER WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Mitchell River: Moderate flooding continues to rise in Magnificent Creek at Kowanyama Airport, with further rises and major flooding likely.

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Thomson River and Cooper Creek: Minor flooding continues to ease at Stonehenge and Jundah. Moderate flooding continues at Windorah and Durham Downs.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Moonie River: Minor flooding is falling at Nindigully. Moderate flooding at Thallon and Fenton will continue to ease during this week.

Burnett River: Minor flooding remains steady at Walla Weir.

Fitzroy Catchment: Minor flooding continues between Baralaba and Knebworth.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:45 PM on Sunday the 23rd of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE LOWER WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Mitchell River: Moderate flooding continues to rise in Magnificent Creek at
Kowanyama Airport, with further rises and major flooding likely.

Diamantina River: Minor and moderate flooding is occurring between Diamantina
Lakes and Monkira.

Thomson River and Cooper Creek: Minor flooding continues to ease at Stonehenge
and Jundah. Moderate flooding continues at Windorah and Durham Downs.

Paroo River: Minor flooding continues between Caiwarro and Hungerford.

Moonie River: Minor flooding is falling at Nindigully. Moderate flooding at
Thallon and Fenton will continue to ease during this week.

Burnett River: Minor flooding remains steady at Walla Weir.

Fitzroy Catchment: Minor flooding continues between Baralaba and Knebworth.

Herbert River: Minor flooding easing at Nash's Crossing.

Tully River: Minor flooding is slowly easing at Euramo.

Mulgrave-Russell Rivers: Minor flooding easing slowly at Clyde Road in the
Russell River.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 8:55 AM on Monday the 24th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE GULF RIVERS
FLOOD WARNING FOR THE LOWER WEIR RIVER

See flood warnings for more detail at: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor and moderate flooding is occurring between Diamantina Lakes and Monkira.

Thomson River and Cooper Creek: Minor flooding continues to ease at Stonehenge and Jundah. Moderate flooding is easing at Windorah and remains steady at Durham Downs.

Paroo River: Minor flooding continues at Hungerford.

Moonie River: Minor flooding is falling at Nindigully. Moderate flooding at Thallon and Fenton will continue to ease during this week.

Fitzroy Catchment: Minor flooding continues to ease between Baralaba and Knebworth.

Herbert River: Minor flooding continues at Nash's Crossing.

Russell River: Minor flooding easing slowly at Clyde Road.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:54 AM on Tuesday the 25th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE CONDAMINE AND BALONNE RIVER SYSTEM
FLOOD WARNING FOR THE LOWER WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding is occurring between Diamantina Lakes and Monkira.

Thomson River and Cooper Creek: Minor flooding continues to ease at Stonehenge and Jundah. Moderate flooding is easing at Windorah and continues at Durham Downs.

Paroo River: Minor flooding continues at Hungerford.

Moonie River: Minor flooding is falling at Nindigully. Moderate flooding at Thallon and Fenton will continue to ease.

Fitzroy Catchment: Minor flooding continues to ease at Beckers and Knebworth.

Mitchell River: Major flood levels are rising slowly along Magnificent Creek at Kowanyama.

Norman River: Minor flooding continues between the Yappar River confluence and Normanton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:58 AM on Wednesday the 26th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE LOWER WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding is occurring between Diamantina Lakes and Monkira.

Thomson River and Cooper Creek: Minor flooding continues to ease at Stonehenge and Jundah. Moderate flooding is easing at Windorah and continues at Durham Downs.

Paroo River: Minor flooding continues at Hungerford.

Moonie River: Minor flooding is easing at Nindigully, Thallon and Fenton.

Mitchell River: Major flood levels are rising slowly along Magnificent Creek at Kowanyama.

Norman River: Minor flooding continues between the Yappar River confluence and Normanton.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:46 AM on Thursday the 27th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE LOWER WEIR RIVER

For more information see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding is occurring between Diamantina Lakes and Monkira.

Thomson River and Cooper Creek: Minor flooding continues to ease between Jundah and Windorah and continues at Durham Downs.

Moonie River: Minor flooding is easing at Fenton.

Mitchell River: Major flood levels are rising slowly along Magnificent Creek at Kowanyama.

Norman River: Minor flooding continues between the Yappar River confluence and Normanton.

Warnings and River Height Bulletins are available at
http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on
telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile,
public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:09 AM on Friday the 28th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE LOWER WEIR RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor to moderate flooding is occurring between Diamantina Lakes and Monkira.

Cooper Creek: Minor flooding easing at Windorah.

Mitchell River: Major flood levels are rising slowly along Magnificent Creek at Kowanyama.

Norman River: Minor flooding continues between the Yappar River confluence and Normanton.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:20 AM on Saturday the 29th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE LOWER WEIR RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Cooper Creek: Minor flooding easing at Windorah.

Norman River: Minor flooding continues between the Yappar River confluence and Normanton.

Mitchell River: Major flood levels are rising slowly along Magnificent Creek at Kowanyama.

Georgina River: Minor flood levels are steady at Urandangi.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 9:45 AM on Sunday the 30th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS.
FLOOD WARNING FOR THE BALONNE RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Moderate flood levels easing along Magnificent Creek at Kowanyama.

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:50 PM on Sunday the 30th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS.
FLOOD WARNING FOR THE BALONNE RIVER

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Moderate flood levels easing along Magnificent Creek at Kowanyama.

Weir River: Major to moderate flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:56 PM on Sunday the 30th of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BALONNE RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Pioneer River: River level rises and minor flooding are being recorded in Cattle Creek between Finch Hatton and Gargett. Small river level rises are being recorded elsewhere in the catchment but are currently below the minor flood level.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Moderate flood levels easing along Magnificent Creek at Kowanyama.

Weir River: Moderate to major flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 12:12 AM on Monday the 31st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE PIONEER RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood .

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Moderate flood levels easing along Magnificent Creek at Kowanyama.

Weir River: Moderate to major flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 4:38 AM on Monday the 31st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND SARINA AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE PIONEER RIVER
FINAL FLOOD WARNING FOR THE LOWER WEIR RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Moderate flood levels easing along Magnificent Creek at Kowanyama.

Weir River: Moderate flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 6:40 AM on Monday the 31st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND SARINA AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE CONNORS AND ISAAC RIVERS AND NEARBY CREEKS.
FLOOD WARNING FOR THE DON RIVER
FLOOD WARNING FOR THE PIONEER RIVER

For more information on flood warnings see: www.bom.gov.au/qld/flood.

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Moderate flood levels easing along Magnificent Creek at Kowanyama.

Weir River: Moderate flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:15 AM on Monday the 31st of January 2011

The following Watches/Warnings are current:
FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND ST LAWRENCE AND ADJACENT INLAND CATCHMENTS
FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE CONNORS AND ISAAC RIVERS AND NEARBY CREEKS.

Additional information:
Other flooding includes:

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Minor flood levels along Magnificent Creek at Kowanyama.

Weir River: Moderate flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

IDQ20885

Australian Government Bureau of Meteorology
Queensland

Flood Summary
Issued at 10:56 AM on Monday the 31st of January 2011

The following Watches/Warnings are current:

FLOOD WARNING FOR THE BALONNE RIVER
FLOOD WARNING FOR THE CONNORS AND ISAAC RIVERS AND NEARBY CREEKS.

Additional information:
Other flooding includes:

Burdekin Catchment: Minor flooding likely along the Bowen River nr. Jacks Creek

later today and overnight.

Diamantina River: Minor flooding is occurring between Diamantina Lakes and Monkira.

Norman River: Minor flooding continues around the Yappar River confluence.

Mitchell River: Minor flood levels along Magnificent Creek at Kowanyama.

Weir River: Moderate flood levels continue to fall betwen Jericho and Mascot. Information for Mungindi is covered in NSW flood warnings. See: http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDN36620.html

Warnings and River Height Bulletins are available at http://www.bom.gov.au/qld/flood/ . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

In the matter of the *Commissions of Inquiry Act 1950*

Commissions of Inquiry Order (No.1) 2011

Queensland Floods Commission of Inquiry

Second Witness Statement of Peter Baddiley

Annexure "PB2-9"

Bureau of Meteorology, Queensland
METRICS FOR FLOOD WARNING CENTRE

December 2010 – January 2011

Item	Activity	1 day Monday 10 Jan 2011	3 weeks 25 Dec 2010 to 14 Jan 2011	2 months 1 Dec 2010 to 31 Jan 2011	Past 10 year average
1	Pieces of rainfall information stored in time-series database	71,800	1,137,000	2,881,000	
2	Pieces of water level information stored in time-series database	67,700	1,144,000	2,832,000	
3	Above threshold River Height Bulletins issued	96	1891	4897	
4	Rainfall Bulletins to www.bom.gov.au	864	8,144	53,568	
5	River Height Bulletins to www.bom.gov.au	576	12,096	35,712	
6	Flood Warnings issued	32	486	889	347 per year
7	Flood Warnings for major flooding	28	>373	>500	133 per year
8	River height predictions (within warnings)	54	>846	>1173	142 per year
9	Locations for which predictions made	19	94	135	30 per year
10	Peak flood heights recorded		753	1326	
11	Peak flood heights, highest on record		145	152	

Notes for each item:

1. Includes each piece of rainfall data from manual and automatic stations stored in operational time-series database. Communicated via telephone, internet, VHF radio, computer-computer links. Includes information from replicated data channels implemented for data security/redundancy.
2. Includes each piece of water level data from manual and automatic stations stored in operational time series database. Communicated via telephone, internet, VHF radio, computer-computer links. Includes information from replicated data channels implemented for data security/redundancy.
3. Each River Height Bulletin contains latest water level data for river stations which are currently above a pre-defined threshold water level. Also contains information regarding heights above/below road crossings, bridges, spillways etc. Each River height Bulletin is automatically faxed, emailed or computer

4. Rainfall Bulletins containing lists of all Queensland rainfall stations with the available “since 9am”, one hourly, 3 hourly and 24 hourly rainfall totals. Automatically updated each hour on the Bureau’s website.
5. River Height Bulletins contain latest water level data (and past few days data and plots) for river stations, updated half hourly on the Bureau website. Also contains information regarding heights above/below road crossings, bridges, spillways etc. Latest water level data is also updated every 15 minutes on ‘clickable’ maps on Bureau website.
6. Total number of Flood Warnings prepared and issued by Hydrologists in the Flood Warning Centre. Each Flood Warning is faxed, emailed or computer linked to multiple recipients (emergency service agencies, government, media etc) and displayed on Bureau website.
7. Total number of Flood Warnings involving major flooding.
8. Total number of river height predictions provided in Flood Warnings. Does not include additional predictions provided during briefings and upon request.
9. Total number of locations for which river height predictions have been given in Flood Warnings. Does not include numerous predictions for additional locations provided during briefings and upon request.
10. Total number of flood peaks recorded at flood warning stations and entered (by hydrologic technicians) into Peak Heights database. Includes information from replicated flood warning stations implemented for data security/redundancy.
11. Total number of flood peaks recorded at flood warning stations which are the highest on record. Includes information from replicated flood warning stations implemented for data security/redundancy.

Metrics for Items 7, 8 and 9 are yet to be updated and may change (increase). Database input is not yet complete