

7th July, 2011

Jondaryan District Resident's Assn Inc

Post Office Box 2,

Jondaryan, Qld, 4403.



Ms. J. Moynihan,

Executive Director,

Queensland Floods Commission of Inquiry,



Brisbane, QLD 4001.

Dear Ms. Moynihan,

The Jondaryan District Resident's Association Inc. would like to formally present a copy of the "Aftermath of the Floods" Report to the Queensland Floods Commission of Enquiry, to be included as part of your information resources. Jondaryan District is part of Toowoomba Regional Council, and at the encouragement of some of their councillors and staff members, we held a public meeting in the Jondaryan Public Hall on 2nd March, 2011 to discuss the floods of December, 2010 and January, 2011, and their management, and issues that arose during and after that time.

Although the township of Jondaryan was inundated, it didn't experience widespread damage to homes such as that experienced in other areas. Surrounding agricultural areas were severely affected, with crop losses running into the tens of millions of dollars. Because of the closure of the Warrego Highway due to major flooding east towards Toowoomba and west towards Dalby, Jondaryan became a focal point for stranded travellers and truck drivers. The community rose to the occasion and catered and cared for those people who were unable to travel any further. This report is also a tribute to those members of the Jondaryan community, who generously gave of their time and labour to cater, provide clean clothes, provide toilet and shower facilities, and generally support the stranded motorists and transport operators, while in Jondaryan.

One of the issues that became apparent is the valuable contribution that radio, (and in particular the A.B.C. Southern Queensland) makes in alerting and informing communities. It makes absolutely no sense in government departments, and others, telling people to go to their websites for information on emergency procedures and latest road closures etc, when there isn't any power to use those computers.

Another problem that is a continuing factor to the flood levels in sections of Jondaryan township, is the lack of adequate drainage points under the Western Railway line. The railway holds back the water on the northern side, thereby raising water levels into the homes on that side of Jondaryan. When enough pressure builds, then the railway line blows out at many points between Doctor's Creek and Jondaryan, subsequently washing ballast from the line onto the Warrego Highway. When the railway line was repaired again, no additional points of drainage were included under the line. This just seems ludicrous in our view, not to take the opportunity to improve the stability and viability of the Western line while they had the chance. Also, the high and extensive stacks of coal on the new Acland Mine's

coal loading facility, just east of Jondaryan, has also forced the water into a more concentrated area near the town.

The recommendations emanating from this seminar are listed on Page 25. We hope to work towards some of these recommendations in the near future. Thank you for the opportunity to present our report to the Commission.

Kind Regards,



Mr. B. Arthur,
Chairman,
J.D.R.A. Inc.



Mrs. I. Burton,
Secretary,
J.D.R.A. Inc

Report on

**AFTERMATH OF JONDARYAN FLOOD
SEMINAR**

JONDARYAN PUBLIC HALL, JONDARYAN

DARLING DOWNS, Qld. 4403

WED. 2nd MARCH 2011



Old Jondaryan Post Office surrounded by an inland sea 11.01.11

Compiled by

B.A.Arthur, Chairman, Jondaryan District Residents Assn., Inc.

I.Burton, Secretary, Jondaryan District Residents Assn. Inc.

P.O.Box 2, Jondaryan, Q4403

22nd March, 2011

Executive Summary

Jondaryan township and surrounding rural areas experienced three major flood events on the following dates:

Monday 27th Dec., 2010

Thursday 6th Jan., 2011

Tuesday 11th January, 2011

Although the flooding was not as severe as many other parts of South. Qld. at the time, the town was isolated by road for many days.

This seminar was an opportunity for all parties concerned, to record for future planning and reference purposes, the events leading up to the floods, the way the situation was handled and recommendations for any future flood events.

This seminar was not designed to be a technical, scientific survey of the floods, but rather a practical, historical record as told by people on the ground **at the time**.

The seminar was divided into two sessions:

Session 1 : A description of events which took place in the township of Jondaryan

Session 2 : A description of events in surrounding rural areas including the Warrego Highway and south west rail line, west of Oakey.

These are the minutes of that meeting.



Programme

Overall Chairman:	Cr. Paul Antonio Deputy Mayor, Toowoomba Regional Council
Chairman Session I:	Mr. Bruce Arthur Chairman, Jondaryan District Residents Assn. Inc.
Chairman Session II:	Mr. Lindsay Evans Irrigation Farmer, Mt. Tyson Rd., Jondaryan
Minutes:	Mrs. I. Burton Secretary JDRA Inc.

1.0 Session I

1.30 pm – 1.45 pm	1.1	Opening Cr. Paul Antonio.....	p.5
		Powerpoint presentation TRC flood areas	
1.45 pm – 2.15 pm	1.2	Mr. J. Weller, Mr. C. Knowles- Jackson, DERM Toowoomba...p.6	
		Some technical data, Cause of major flood events.	
2.15 pm – 2.30 pm	1.3	Snr. Con. Dan Baker, Jondaryan Police.....p. 8	
		Lines of communication, Powers of Emergency Authorities	
2.30 pm – 2.45 pm	1.4	Mr. Graham Cooke, Reg. Inspector, Qld. Fire & Rescue , Dalby.....p.13	
	1.4	Mr. Col Whitby, OIC, Jondaryan Rural FB.....p.15	
		Powerpoint presentation	
		Evacuation procedures, evacuation centres,	
		Duties of Emergency Services personnel	
	1.5	Award Presentations.....	p.17

Programme (con't.)

2.0 Session II

3.15 pm – 3.30 pm:	2.1	Mr. Lindsay Evans, Mt. Tyson Rd., Jondaryan.....p.20 Effects of flooding in immediate rural areas Effects of floods on local infrastructure..road & rail
3.30 pm – 3.45 pm	2.2	Ms.Lisa Raklander, Manager, Jondaryan Woolshed.....p.22 Water at the Woolshed !
3.45 pm – 4.00 pm	2.3	Mr.Paul Smith, Centrelink, Warwick.....p.23 Financial assistance to flood victims
4.00 pm – 4.30 pm	2.4	Cr.Paul Antonio.....p.24 Questions to all panel members State and Federal financial assistance to rebuild Qld.
3.0 Recommendations		Recommendations from Seminar Discussion.....p.25
4.0 JDRA		Jondaryan District Residents Assn. Inc. Committee.....p.26
5.0 Flood Yarns	5.1	Flood yarns from the front.....p.27
	5.2	More flood photos from the front.....p.30
Appendix	App.I	Oakey Ck. Fairview Flow Stn.....p.34
	App.II	Gowrie Ck @Oakey Flow Stn.....p.35
	App. III	Oakey Aerodrome Climate Av. 40 yrs.....p.36
	App.IV	Sep.10 to Jan.11 Rainfall Graph Oakey Aero.....p.37
	App.V	Dec. 2010 Jondaryan Rainfall daily totals.....p.38
	App.VI	Jan. 2011 Jondaryan Rainfall daily totals.....p.39
	App.VII	Bur. Of Met. Flood Warning Networkp.40
	App.VIII	Jondaryan P.O. Yearly Rainfall Totals 1887 to 2006.....p.41.

Jondaryan District Residents Association Incorporated

presents

AFTERMATH OF Jondaryan FLOOD SEMINAR

2nd March, 2011

Held at: Jondaryan Public Hall

Commenced at: 1.45pm

Apologies: Joanne Evans, Peter Burton, Craig Knauth, Cam Hart, Sue Hart, Ian Sowden, Bureau of Meteorology Representative, Peter Baddely, Paul Bergin MRD

Overall Chairperson: Deputy Mayor of Toowoomba Regional Council Councillor Paul Antonio

1.0 First Session: Chairman of Jondaryan District Residents Association Incorporated, Mr. Bruce Arthur, who is also the proprietor of the Cobb and Co Roadhouse in Jondaryan, introduced Councillor Antonio who gave background detail leading up to and after the flood, and a power point report on damage to the region of Toowoomba Regional Council. He provided a map of the TRC region showing photographic evidence of damage.

1.1 Deputy Mayor Councillor Paul Antonio, Toowoomba Regional Council

- Significant falls of rain – 9 – 10 inches of rain fell in Toowoomba over a 1-1/2 hour period causing tremendous damage to roads and infrastructure
- 32 swift water rescues were performed in Toowoomba on the afternoon of 10th January, 2011, plus other rescues carried out by individuals
- 1300+ damaged sites within the TRC area – approximately \$50m dollars worth of damage to roads alone with about 70 sites experiencing major damage. Full repairs to roads may take up to two years
- Damage is expected to be repaired to the Railway by the end of March, but it is not expected that the railway lines will carry full capacity for some time.

Water and Wastewater Infrastructure:

- Up to \$5,000,000 damage to the systems
- \$300,000 damage to Oakey's Sewerage Wastewater system – it will be closed after December 2011 and sent to Wetalla for treatment
- Significant damage occurred to numerous sewerage mains along Gowrie Creek in Toowoomba.

Cooby Dam Impact:

- Cooby Dam lessened the impact of the flood. The wall of the dam was NOT breached, nor is it fitted with flood gates, so the water flows over the wall naturally when it reaches that height.
- It held back 1/3 of the catchment water. It takes about 18 hours for the water to reach Oakey from Cooby Dam

- The peak of water from the localised flooding occurred and receded, and then the peak of the Cooby Dam overflow arrived later, approximately 2.00am on Wednesday 12th January.

Funding from the Federal Government:

- Engineers are working hard trying to get an estimate for repairs, so that we can complete the applications for funding for repairs.
- Depreciation on capital works of 4% is no longer allowed which has hurt councils financially.
- The recovery team is trying to streamline processes to cut red tape and get funding through faster.
- No final details are available yet for the funding process

Question from the floor: Resident from O'Keefe's Road (Brymaroo area) stated that her route to Jondaryan is getting worse and worse. When can we expect some repairs?

Cllr. Antonio: Regional access is a priority of Toowoomba Regional Council. Jobs are put into the "Pathways" system and then prioritised. (Cllr Antonio took note of the concerns of this resident to follow up)

Chairman of J.D.R.A. Assn Inc Bruce Arthur stated that in the 21 years of living in this area, he'd never seen the community of Jondaryan pull together like they did during the floods of December 2010 and January 2011. If anyone wants a copy of the seminar report then please complete a form or contact a committee member.

1.2 Mr. Jim Weller, Water Services Manager, Department of Environment and Resource Management:

- We measure and maintain the records of the volume and quality of the water
- The Bureau of Meteorology is the national weather and climate authority, and has a role in weather and flood warnings.
- The Bureau of Meteorology and the Department of Environment and Resource Management jointly maintain the measuring stations on streams
- Information is shared, although the stations have different primary purposes
- Bureau of Meteorology has provided information for the meeting – apology from Mr. Peter Baddely for not attending, as he is busy collating/supplying information to the flood enquiry set up by the state government.
- B.O.M sent an analysis of rainfall at Oakey from 1-12-2010 to 28-02-2011 (See App.IV)
- Rainfall chart Jondaryan Dec. 2010 & Jan. 2011 (See App. V & VI)
- Flow charts supplied by D.E.R.M from stations at Fairview and Gowrie Ck.(App.I & II)
 - 1) Cranley – upstream from sewerage works
 - 2) Gowrie Creek at Oakey – measured 40,000mgs a day before gauges broke on 10-12-2010

3) Oakey Creek at "Fairview" upstream of the Cecil Plains - Dalby Road. The water breaks out over the flood plain before it reaches 25,000mgs.

Rates of flow measured at "Fairview":	10-12-2010	11-01-2011	11-02-2011
	95,799mgs	145,176mgs	2,197mgs
	Overall flow for 3 months: 145,176mgs		

Unvalidated data – Between December 2010 and February 2011, 11,691,100mgs of water entered the Murray-Darling rivers system

1.2 Mr. Clive Knowles-Jackson, Department of Environment and Resource Management

- Spent 30 years with the department, mostly based in Oakey
- This was the third significant flood event in that time which went over the railway lines.
- The catchments of Lagoon Creek and Doctor's Creek which affect the Jondaryan area are long, thin catchments. Lots of rain was received leading to extraordinary events.
- The railway (western line) has limited drainage points, and these act as "choke points".
- In 1996, the last significant flood, landholders across the region petitioned the state government to get rules on how to farm etc. These rules are still in place. This information is being used extensively to build up a "blue print" on what to do.
- 14 major catchments on the Upper Condamine River have been surveyed; quantify flood plain

Questions from Mrs. Glennis Hammond, Jondaryan township: (Referring to Stage 111 of the New Acland coal mine application to extend) a) Once the creek is channelled out, will that make the floods worse in Jondaryan? b) I was told that Lagoon Creek used to be 30 feet deep – will it be cleaned out again?

Response Mr Clive Knowles-Jackson: a) No decision has been made on that application – it is only something that has been put forward. b) Lagoon Creek has not changed that much in my 30 years with the department.

Question from Mr Rob. Kajewski, Jondaryan township: There is a large pile of dirt situated in Lagoon Creek, which impeded the flow of the flood water. Is there any chance of getting it shifted to allow the water to flow freely?

Response: It will be investigated

1.3 Senior Constable Dan Baker, Officer-in-Charge Jondaryan Police Station:

(Arrived in Jondaryan in November, 2010)

TIMELINE OF EVENTS

- 27/12/2010 – 29/12/2010 Warrego Highway Closed due to heavy rain and flooding in Dalby – Main Roads requested roadblock at Warrego Highway Oakey Turnoff
- 06/01/2011 – Warrego Highway closed Jondaryan due to heavy rain
- 07/01/2011 – Warrego Highway reopened one lane due to road quality and surface water
- 08/01/2011 – Warrego Highway Jondaryan opened in both directions
- 09/01/2011 1400hrs – Heavy Rainfall Nungil Street Jondaryan evacuated. Residents advised. Warrego Highway closed.
- 10/01/2011-13/01/2011 – Warrego Highway remained closed due to surface water and road condition. **Jondaryan township was isolated during this time due to flood waters. A disaster situation was declared for the region on 9th January.**



Plate I: *Blockade. Traffic banked up by highway barricade*

Warrego Hwy., Jondaryan 10.01.11. Photo by B. Arthur

POLICING RESPONSE

- As Officer in Charge of the Jondaryan Police Division from the initial flooding and road closures for the entirety of the situation I was in charge of the coordination and monitoring of the response regarding road closures, flooding and evacuations.
- I liaised with all local agencies such as Rural Fire Brigade and outside agencies such as Main Roads.
- Attended to all calls for service as required including several flood rescues of stranded vehicle with rural fire brigade.
- Attended to Evacuation of relevant community members and assisted at Community Hall.
- Obtained details and ensured welfare of stranded motorists.
- Each morning and afternoon I attended the Community Hall and checked welfare of gathered community members. Community members were provided with up to date information as it came to hand in relation to water levels and road conditions. Also on a daily basis I attended the Jondaryan Roadhouse and provided updates on relevant information.

ISSUES IDENTIFIED

Considering the scale of the situation and levels of devastation elsewhere in the Toowoomba District, I believe the response from Emergency Services, Council, Main Roads, Rural Fire Brigade and community persons was of an incredible standard. I believe any disaster situation debrief needs to look at three important questions.

1. How many people were injured?
2. How many people were killed?
3. How much property damage?

Jondaryan had no injuries or deaths and minimal property damage. As such I believe the response from all involved agencies was outstanding. Again I would like to thank the community and Rural Fire brigade for their support.

RESPONSE TO QUESTIONS RAISED

Who is in charge during flood emergencies?

What powers do they have?

Why was the Warrego Highway barricaded for so long?

Why were some vehicles "escorted" around flood waters?

What fines can be imposed on people ignoring police directions and road barricades?

1. During flood emergencies of this nature agencies work together under the Disaster Management Act Qld 2003. A 'disaster situation was declared under this act during this incident (A copy is here for reference). As such the Local District Disaster Management Group has control in managing the incident. This group has members of all relevant agencies. From a policing perspective under the Disaster Management Act 2003 we appointed a District Disaster Coordinator Superintendent SCHAFFERIUS who chaired a Major Incident Room that was established.
2. Even though these groups were unable to physically attend Jondaryan I was in constant contact with them updating them of the situation. As such I became the authorised officer under the Disaster Management Act 2003 to carry out the control and coordination of the incident.
3. The Highway was closed predominantly due to flooding and safety concerns as water was rising and falling very quickly. With substantial road blockages throughout the state and at one point the Warrego Highway was the only major thoroughfare open the decision to close the road was not taken lightly. Once waters had receded careful inspections of the roadway needed to occur to ensure its structural integrity. Also the road remained closed at Jondaryan as the highway was blocked at Dalby, and to prevent further pressure on resources at Dalby, the Warrego Highway remained closed. It also remained closed to ensure a safe emergency route for supplies to the devastated Dalby community.



Plate II: Lagoon Creek, Jondaryan, flowing across the Warrego Highway

11-01-11 approx. 10.00am. Photo by G.Cooke

However I believe diligence in closing the road and ensuring its structural integrity during the flooding prevented fatalities.

4. Local traffic was allowed to continue past roadblocks but the road was closed to through traffic. At one point escorts were being conducted as water had receded but the road was still unsound for two lanes of traffic at 100km/h. As such coordinated escorts were being conducted to ensure speeds were kept to a minimum and in only one direction. This also reduced backlogs of vehicles in case further inundation and flooding occurred. These actions by myself and Mains Roads, I believe, ensured that we still have a road today, and allowed essential works to be completed on the road prior to it being completely opened. It also prevented any persons being stranded in rising flood water, and any fatalities.
5. It is an offence to ignore road blocks and Police directions carrying infringement notices of up to \$1500 and also the possibility of court prosecution considering the nature and circumstances of the breach.

RECOMMENDATIONS

Considering historical and current information I believe extreme weather events such as that experienced in January is inevitable. I believe that the township of Jondaryan is adequately prepared for such situations and have adequate resources to handle such events.

Query from Mr. Bill Waller, Jondaryan township, about misinformation allegedly being given at roadblocks?

Answer by Snr. Constable Dan Baker: Not aware of any instances where the incorrect information was given.

Senior Constable Baker stated that he had struggled to get official information from Oakey and Toowoomba. He had kept details and account of where everyone was at what time, in case of

emergency evacuations. He attended all calls for service – there were a lot of stranded people in vehicles around Bowenville. Voluntary evacuations had been carried out in Nungil Road on the northern side of the railway line, Earl Street and Tooth Street, Jondaryan to the Jondaryan Public Hall. He didn't experience any major concerns with people ignoring the "Road Closed" signs.

Mrs Gillian Whiting, Heritage Motors, whose house overlooks the north to the catchment of Lagoon Creek, stated that she can see the flood markers and determine how high the water level will probably come. In the past, she had contacted the Jondaryan Rural Fire Brigade, who had erected barricades. This time she was told it wasn't anything to do with them. Who does she contact in the future?

Answer: Snr Cons. Baker can put in a request to the Department of Main Roads to put up barricades. Specific warnings can be given by the Department of Main Roads after information supplied by local police.



Plate III : Looking north from railway line 11-01-11 at 10.30am.

Nungil Rd. houses evacuated. Photo by G.Cooke



Plate IV: Looking N from Jondaryan Railway Line 11.01.11 at 10.30 am. Flooded Nungil Rd. in foreground. Jondaryan Cricket Grounds on right. Photo by G. Cooke

It was stated that warnings from further upstream are required. Mr. Graham Cooke stated that on January 11th, he heard a roaring noise from his house (which looks out to the east and north-east over the Lagoon Creek catchment), and saw a wall of water coming towards Jondaryan through a stand of brigalow trees.



Plate V: "Homeward Vale", Nungil Rd., Jondaryan at 6.30am 11.01.11 as the peak came through the Brigalow trees. Photo by G. Cooke



Plate IV: Looking N from Jondaryan Railway Line 11.01.11 at 10.30 am. Flooded Nungil Rd. in foreground. Jondaryan Cricket Grounds on right. Photo by G. Cooke

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Plate V: "Homeward Vale", Nungil Rd., Jondaryan at 6.30am 11.01.11 as the peak came through the Brigalow trees. Photo by G. Cooke

1.4 Mr Graham Cooke, Regional Inspector, Queensland Fire and Rescue, Dalby

Roles and Responsibilities:

- To protect life & property
- Joint approach with QPS & other agencies
- Specific roles for each agency
- Lead agency varies with actual scenario
- Links to Local Disaster Management Group & District Disaster Management Group
- Can include Local Emergency Co-ordination Committee
- Escalation dependent upon type & severity of event.

Legislation:

- Disaster Management Act
- Public Safety Preservation Act
- Agency specific Acts eg Police, Fire, Ambulance etc.
- Could be 'normal operations'
- Or lead to Disaster Declarations
- Or Emergency Situations

Monitoring and Reporting – Locally:

- No upstream official creek monitoring
- No upstream official rainfall recording
- Comparisons to other creeks
- Reliance on local knowledge / informal network
- Reliance on residents 'Situational Awareness'
- Checking of Websites.....

Local Situation:

- Series of heavy rainfall events previous 2 weeks
- Intense rainfall in Uplands previous 4 > 24hrs
- Local rainfall recordings were moderate
- Time for local warnings
- Daylight flooding - an advantage & positive aspect
- Travellers & Truckies stranded

Actions:

- Alert Residents – Urban & Rural
- Evacuate where necessary
- Ensure Evacuation Centre/s available & accessible
- Monitor floodwater levels – local & nearby
- Assess risks & hazards
- Contingency planning & welfare
- Future resourcing > following days.

Bigger Picture:

- Major flooding & inundations across many Communities at same time
- Limited access to additional agency & physical resources
- Agencies attempt to be proactive, incl deployment of personnel
- Dependent upon type of event
- Lead times can be short – compare floods to NZ Earthquake!!!
- However, Community Safety of all citizens is the priority

Issues and Welfare

- Mandatory v Voluntary evacuations
- Evacuation centres
- Facilities & catering
- Resourcing for longer term
- Involvement of other support agencies
- Communication

Risk Management

- Prevention (Research & Risk Analysis)
- Preparedness (Readiness)
- Response
- Recovery

Where to From Here?

-
-

1.4 Mr. Col Whitby, Officer-in-Charge Jondaryan Rural Fire Brigade



Plate VI: Members of Jondaryan Rural Fire Brigade cnr. Short and Station Sts., Jondaryan, evacuated several stranded families from their homes.

10.00 am 11.1.11. Photo by B. Arthur

Questions to Mr. Whitby

Question from Mr. Bruce Arthur: Where can residents get sandbags and sand from if required?

Answer from Mr. C. Whitby: We have never used them in Jondaryan before, so there aren't any available.

Answer from Snr. Cons. D. Baker: Perhaps some bags can be sourced from Oakey, but a supply of sand may be a problem. Where would we locate it so that it was available to all residents for emergencies only?

Question from Mr. Glen Steger, Jondaryan township: Who decides/gives authority for the power to be turned off to homes/areas? Why was the power only turned off after the flood water was receding?

Answer from Mr. C. Whitby: Ergon Energy decided to turn the power off for safety reasons, as there was still water underneath the buildings. They were concerned that the wiring, (which is under most of the Jondaryan houses), had been compromised. Ergon Energy assessed the risks and decided which houses needed to have their power turned off until the wiring could be inspected.

Answer from Mr. G. Cooke, Regional Inspector, Queensland Fire and Rescue: Ergon Energy was returning through Jondaryan from Dalby, and I asked them to make a Risk Assessment of the town. The potential for fatalities was very real, as shorts in the electricity had proved fatal to a Tara resident.

Question from Ms. Dianne Thomas: I had turned the power off to my home before evacuating to the Jondaryan Public Hall. Then I heard that someone had entered my locked house to turn the power off. Who has the right to enter my home without my permission to turn the power off?

Answer from Snr. Cons. D. Baker: Under the Disaster Management Act, Ergon Energy can enter any premises to turn the power off without the owner's permission. If they are unable to locate the resident, no notification is required to be given.



Plate VII : JRFB unit cnr, Short St. and Station St. 10.00 am

11.01.11. photo by B. Arthur



Plate VIII. Volunteers' Caravans, Jondaryan Woolshed. Oakey Ck.

pm 11.01.11 . Photo by I.Burton

1.5 Presentation of Awards

At this point, Chairman of the Jondaryan District Residents Association Incorporated, Mr. Bruce Arthur, called on Councillor Paul Antonio to present Certificates of Appreciation for the dedication and hard work that these people had carried out during the flood crisis.



Plate IX Jondaryan Rural Fire Brigade – accepted by Officer-in-Charge Mr.Col Whitby



Plate X Jondaryan Woolshed Staff and Volunteers – accepted by Manager, Mrs. Lisa Raklander on behalf of Mrs. Irene Burton, Mrs. Mary-Lou Wicks, Mrs. Brenda Marshall, Mr. Don Johnston and Mr. Jeff McGovern. (Jondaryan Woolshed catered for stranded truckies/travellers, and transported people to the Woolshed to use the showers) Photo by Irene Burton.

1.5 Presentation of Awards (con't.)



Plate XI .Senior Constable Dan Baker, Officer-in-Charge Jondaryan Police Station (In appreciation for the leadership he displayed during the flood crises) Photo by Irene Burton



Plate XII. Regional Inspector, Queensland Fire and Rescue, Mr. Graham Cooke



Plate XIII. Mrs. Cheryl Welch on behalf of Cheryl & Tim Welch, Jondaryan residents for many hours spent preparing meals and services for stranded truckies and ES staff.



Plate XIV. Jondaryan Public Hall Committee – accepted by Mrs. Joanne Evans . The Jondaryan Public Hall became the Evacuation Centre for the town and stranded travellers. Photo by Irene Burton

INTERVAL

2.0 SESSION TWO

2.1 Mr. Lindsay Evans

Commenced at 4.10pm. Chaired by Mr. Lindsay Evans, Jondaryan – Mt Tyson Road, Jondaryan.

We are irrigation farmers wedged between Doctor's Creek and Oakey Creek. We were flooded in.

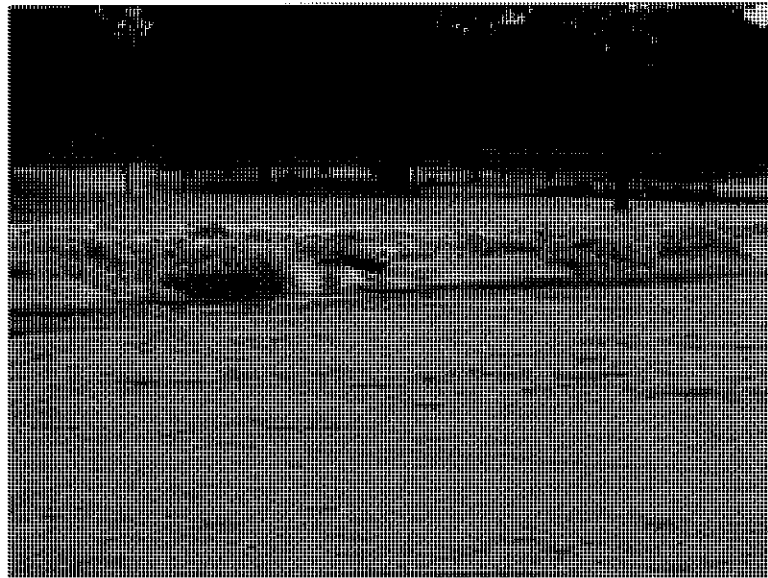


Plate XV : Water trap at the ninth hole ! Doctor's Ck. overflows the Mt. Tyson Rd. at the Oakey Golf Course. Photo By. Mr. Lindsay Evans

- The bridge over Doctor's Creek on the Jondaryan-Mt. Tyson Road was flooded and the Jondaryan-Mt Tyson Road washed out quite badly - the road was subsequently closed for a period of time. After the destruction of sections of the road, the effects of poor road building practices became apparent. Shoddy practices were clearly visible from the exposed layers of the road base. There are sharp sides on the roads - there should be better batters on the sides of the roads leading to the table drains, and this would minimise the erosion along the road edges.
- We have a problem whereby the levels of government aren't listening to the locals about local problems. Since the amalgamation of shires, we feel that the local contact with government authorities has been lost.
- The railway line is a significant contributor to the way the floods flow. Queensland Rail is not putting enough culverts under the rail line to allow water to flow more freely. Even when the line is washed out, Queensland Rail still doesn't take the opportunity to add more culverts.

The level of the rail line was raised when the new bridge was built, and this resulted in even more water being held back on the northern side of the line, until enough force was exerted for the line to blow out in numerous places. This is the first major flood event since the new rail bridge has been erected over Doctor's Creek, and this flood was two feet higher than any previous flood across our property. This time water entered houses and buildings not previously flooded, and I believe it is a direct result of the increased volume of water being held back by the line.

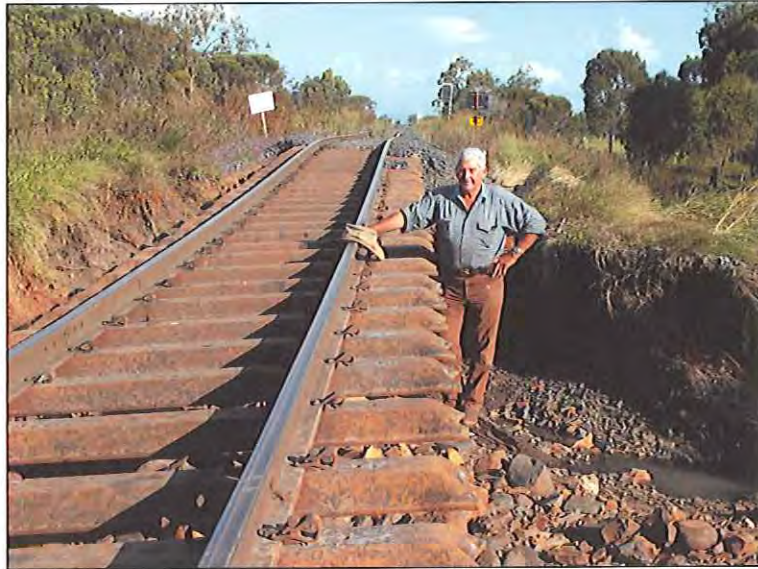


Plate XVII : Badly washed out ballast under Jondaryan rail line near Doctor's Ck. Photo by L. Evans

- We suffered a small degree of crop loss, but other farmers in the area had quite significant losses.

Comment from Councillor P. Antonio: I would have to agree with Mr. L. Evans about the poorer representation since amalgamation in rural areas.



Plate XVIII: Oakey Ck. in major flood 11.01.11. Mob of stranded Angus cattle to right of machinery shed. Jondaryan Station. Photo by L. Evans

2.2 Mrs. Lisa Raklander, Manager of Jondaryan Woolshed, 264 Evanslea Road, Jondaryan

I have been manager of Jondaryan Woolshed for approximately seven months – since August 2010. Since then, the Woolshed has experienced four floods.

- 27-12-2010 – The first severe flood came through quickly and caused the most damage. It affected fences, livestock, power supply and the Shearers' Quarters.
- 11-01-2011 – We were better prepared for this event. This time the water level was higher – it lapped under the Shearers' Quarters and cottages. The power was still turned off, and it took nearly three weeks to get the power turned back on.



Plate XIX: *Oakey Ck. at Jondaryan Woolshed midday 11.01.11 with water still rising. Under the water is the newly constructed Oakey Ck bridge designed to withstand a 1 in 100 year flood ! Power lines on right of bridge are just visible. Photo by G. Cooke.*

- The floods affected visitation, and therefore income for the Woolshed. It also affected the staff, most of whom were flood-bound in their own homes or affected by road closures. I was flood-bound at the Gold Coast due to the road closures.
- The Woolshed complex itself suffered very little significant damage. The volunteers from the Darling Downs Correctional Centre have been assisting with repairs, and we have lined up additional projects that they will be assisting us to complete.
- We had a great response from people

- We were happy to open our freezers to feed the stranded people/truckies in Jondaryan, and have hot showers available for them to use.
- I'd like to thank the local community for their support.



Plate XX: Oakey Ck. lapping under buildings and caravans at Jondaryan Woolshed .5.00 pm 11.01.11. Water still rising. Photo By I. Burton.

2.3 Mr. Paul Smith, Rural Services Officer, Centrelink, Warwick

Following a Commonwealth Declaration of Emergency, a payment of \$1,000.00 per adult, and \$400.00 per child is usually available to affected residents, under the "Australian Disaster Recovery Payment".

Eligible Criteria:

- 1) Seriously injured or killed, or major damage or destruction of home
- 2) Unable to gain access to home for 24 hours or more
- 3) Stranded in principal place of residence for 24 hours or more
- 4) Home is without utilities for 48 hours or more
- 5) You are the Principal Carer

Income Relief Subsidy:

Until the 28th February, 2011, a person could have applied for an Income Relief Subsidy Payment, if the floods prevented you from getting to work for a period of time.

Low Interest Loans are NOT available through Centrelink – these loans can be applied for through Qld. Rural Adjustment Authority.

2.4 Questions to Any Panel Members

Mr. L. Evans stated that some people had rung Toowoomba Regional Council, Oakey Service Centre to alert authorities about the impending flooding for Oakey, and staff didn't know who to report it to. Offices in Toowoomba were then called, and the same poor response was received. 122 houses in Oakey were subsequently inundated with little/no prior warning.

Cr. P. Antonio stated that this was one area already identified for improvement.

Mrs. G. Hammond stated that she had tried to ring Disaster Management, and the Department of Main Roads, without success. She then rang Toowoomba Regional Council who gave her a telephone number to contact. It is vital that people have access to the correct numbers to ring in similar emergencies in the future.

Everyone agreed with **Cr. Paul Antonio's** statement that the coverage supplied by ABC Southern Queensland radio for this area was magnificent. It was current and useful.

Mrs. G. Hammond rued the lack of television coverage for this area. Oakey's severe flooding barely rated a mention in the scheme of things.

Question from **Mr. Tim Welsh**: Across the north of Australia, we have a National Warning System for cyclones. Why can't the same be done for other types of disasters in Southern Queensland?

Cr. Paul Antonio advised that this would be a State Govt. responsibility and that this had been put in place for major Qld. cities and towns.

Cr P. Antonio stated that he, like all councillors, received an email from the Chair of the Disaster Management working Group banning him from speaking to any media. It is vital in times of crisis that there be only one spokesperson, so that the information is current and correct. That spokesperson for this area was the Mayor, Cr. Peter Taylor.

It was the mood of the meeting that the **Premier. Anna Bligh**, had done a tremendous job keeping the people of Queensland informed of the severity of the changing situation throughout Queensland. She was highly praised for her work during this time of crisis.

Mr. T. Welsh: Since amalgamation, there has been a lack of work done on drainage and creeks and core infrastructure of the towns.

Cr. P. Antonio: There has been an imbalance at the highest levels of government over a period of twenty years, to get infrastructure built and operational. With regards to the proposed Range Crossing/ Toowoomba Bypass, it is estimated that 50,000 infield gas pipes will be trucked through James Street, Toowoomba, and thereafter through Jondaryan via the Warrego Highway, on their way to the Surat Basin. Just think of all the extra trucks that will be travelling the Warrego Highway to cart those pipes alone. There is a push for the royalties from these regions to be used to build infrastructure in these regions.

We must work together as a community. If you have concerns, or know of roads etc that need repairing, pass it on to the Toowoomba Regional Council. These jobs go into the "Pathways" system – then I can follow it through and give an answer on when repairs are estimated to be carried out.

L. Evans stated that we need to combine our ideas, and put forward constructive alternatives to problems. Mr. Lindsay Evans, chairman for the second session, stated that this had been a most informative afternoon and called for a round of applause for all panel members.

Meeting closed at 4.50 pm.

3.0 Recommendations from Seminar

(1) Jondaryan Emergency Service Committee

It is clear from many comments made, that, although the ABC coverage of the Darling Downs floods was of great assistance, more local, up to date information was required throughout these flood events. A local, emergency service committee is required, a group which can be called on at short notice to meet at a predetermined point and set up a communication and action programme, depending on the event. This could be made up of local Police, local Rural Fire Brigade, any local ES personnel, and two to three local residents with IT and / or organizational skills. Possibly Facebook, Twitter, Skype or Messenger pages could be created, as a link to local flood information.

- (2) **First Aid Station.** A local first aid station, complete with emergency first aid equipment, and some personnel trained in first aid, is badly required in case the township is isolated from medical services in Oakey.
- (3) **Jondaryan Rural Fire Brigade.** During these flood events, the local JRFB could have made use of a suitable boat and motor to inspect homes and perhaps ferry people and emergency food and medical supplies across floodwaters. Could the JRFB apply to SES or Qld Rural FB services for the Jondaryan station to be issued with a suitable boat and motor? The use of a siren as an early warning to the townspeople is worth some consideration.
- (4) **Early Warning System.** It is incredible after numerous flood events in the township, that no early flood warning system is in place. The town is subject to possibly one to two minor floods each year. Major floods were recorded in 1956, 1981 and now 2010/11. We recommend that suitable application be made to DERM for suitable flood height measurement systems for Doctor's Ck., Lagoon Ck. and Oakey Ck. be installed a.s.a.p. BOM (Bureau of Meteorology) could also be approached for up to the minute, on line rainfall information in the catchment areas. Mrs. G. Whiting, Heritage Motors, Jondaryan, did have a rather late flood height warning procedure in place as she can view the Warrego Hwy. flood gauge height level from her front balcony. Similar procedures could be set in place for residents in the upper reaches of these flood prone creeks.
- (5) **Informed Citizens.** Residents need to be better informed of the powers of emergency services personnel. (n.b. evacuation procedures and powers of ERGON staff)
- (6) **Residential Development.** Town planning dept. of TRC should advise potential new home builders of frequency and height of floods on low lying Jondaryan allotments.

4.0 Seminar organized by:



**Jondaryan District Residents Association Incorporated
with assistance from Jondaryan Hall Committee Inc.**

JDRA Executive Committee:

Chairman: Mr. Bruce Arthur, Station St., Jondaryan
Secretary: Mrs. Irene Burton, Evanslea Rd. , Jondaryan
Vice Chairman: Mr. Richard Nothdurft, Jondaryan
Acting Treasurer: Mrs. Irene Burton
Committee Members: Mr. Peter Burton, Evanslea Rd., Jondaryan
Mrs. Gillian Whiting, Warrego Highway, Jondaryan
Mr. Craig Knuth, Tooth St., Jondaryan

All enquiries:

P.O. Address: P.O.Box 2, Jondaryan, Q4403

Email: [REDACTED]

5.0 FLOOD YARNS

Wet Monday Jondaryan 27.12.10

5.1 Flood Yarns from the Front



8.00 pm Boxing Day 26.12 .10 to 5.00 am 28.12.10

Greg Young's cars started to float away about 2.00 pm on 27.12 and were rescued by a new McCormick tractor from Barry Latta's machinery dealership.

Greg was hit in the leg by a floating log, and as he bent down to examine the damaged shin, his new digital camera fell out of his shirt pocket into the floodwater.

His wife had given it to him for xmas !

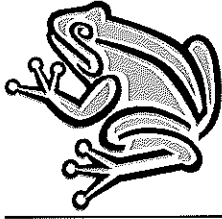
The newly completed Oakey Ck. (Woolshed) bridge was designed to withstand a 1 in 100 year flood. Two weeks after it opened, the water was 2.5m. over the handrails.

Jondaryan Station homestead was completely surrounded by a moat and Mr. Davey's Angus bull letterbox , 100 m. from the creek, went completely under. A jet skier flew past the back verandah at the height of the flood!



Plate XXI : The jet ski story was not a yarn! Photo by L.Evans

Flood Yarns from the Front (con't.)



The woolshed lost two faithful draughthorses from the back paddock. They made a final dash for safety and got caught up in trees trying to cross Oakey Ck.

The water was lapping Terry Ryan's back stairs at "The Ten Mile".

The water was lapping the front stairs of Cam Hart's house "Narinya", which is on the flat country in the middle of the Prairie.

Norwin was turned into an inland sea by the Condamine.

Jondaryan wheelie bins (Mondays are rubbish days) floated away in the debris spewing rubbish all over the top of the floodwater from Lagoon Ck.

A discarded surfboard floated past the roadhouse and was immediately commandeered by local children.

Tom Lambley had to do a three hour round trip to get home, to avoid the police blockade at the Oakey by pass.

Bitumen sealing on the Acland Coal Mine road was peeled off the road by the force of water running down Lagoon Ck.

Alec Gwynne from "Tangalooma", a long term local of Formartin, reported that, the water level reached 6" higher than the 1956 flood, which was marked by him on his back verandah posts.

The police and QT maintained a blockade of the Warrego Highway 27.12.,28.12 & 29.12, near the Oakey gas fired power station, to prevent motorists travelling to flood inundated Dalby which was having a major emergency of its own.

Mr. Glen Steger stated that during the 1956 flood, water covered the floor of the Station St. butcher shop (since used as a hair salon and now a granny flat). During the height of the 2011 flood, water only rose to within 50 mm of the front door.



Plates XXII &XXIII: A contested height. Old Jondaryan Butchery.

Water did not enter butcher shop floor on 11.01.11.

Water entered the floor in 1956.

Was the '56 flood higher than the 2011 flood?

Photos by B. Arthur

BA Phunny Fotos 30.1.11 Jondaryan correspondent

5.2 Flood Photos from the Front



Plate XXIV: Station St., Jondaryan at 10.00 am 11.01.11. Old Post Office on LHS. Photo by G. Cooke



Plate XXV: Lagoon Creek flooding Earl Street, Jondaryan with no flood warning signs or height markers visible. Photo by I. Burton 27-12-10



Plate XXVI: Doctor's Creek flowing towards the Oakey Golf Club on Jondaryan-Mt. Tyson Road on 27-12-2010. Photo by I. Burton.



Plate XXVII: BRT Machinery to the rescue. 4.00 pm 27.12.10

Photo by B. Arthur



*Plate XIX: Water flows into BRT Machinery yard. 2.00 pm
11.01.11. Photo by B. Latta*



*Plate XXX: Every boy needs a shed with running water!
22 Duke St., Jondaryan. 2.30 pm 11.01.11
Photo : B. Latta, Principal, BRT Machinery*



Plate XXXI: A permanent marker. New power pole at rear of Jondaryan Cobb & Co. Roadhouse at height of flood. 12 noon 11.01.11. Photo by B. Arthur



Plate XXXII: Lagoon Ck. flows around Jondaryan Hotel from Warrego Hwy. Bridge into Station St. 10.00 am 11.01.11 Photo by B. Arthur.



Environment and Resource Management

Home → Topics → Water → Monitoring and assessment → Streamflow monitoring
→ Water streamflow data

Oakey Creek @ Fairview

Site details

Site ID: 422350A

Site: Oakey Creek

Location: Fairview

Latitude: (south) 27:18:12

Longitude: (east) 151:16:41

Sub-catchment: Condamine

Catchment: Balonne-Condamine

Catchment area: 0 km²

AMTD* : 0.0 km

Water Resource Plan: Condamine Balonne

Date open: 16 October 1980

* Adopted Middle Thread Distance (the distance upstream from the river's outlet)



Data collection timeframes

- [Last 24 hours](#)
- Last 7 days
- [Last 14 days](#)
- [Historic data](#)

Data collected over last 7 days

7 day trend



Environment and Resource Management

Home → Topics → Water → Monitoring and assessment → Streamflow monitoring
→ Water streamflow data

Gowrie Creek @ Oakey

Site details

Site ID: 422332B

Site: Gowrie Creek

Location: Oakey

Latitude: (south) 27:28:14

Longitude: (east) 151:44:27

Sub-catchment: Condamine

Catchment: Balonne-Condamine

Catchment area: 0 km²

AMTD*: 0.0 km

Water Resource Plan: Condamine Balonne

Date open: 30 June 1992

* Adopted Middle Thread Distance (the distance upstream from the river's outlet)



Data collection timeframes

- [Last 24 hours](#)
- [Last 7 days](#)
- [Last 14 days](#)
- [Historic data](#)

Data collected over last 7 days

7 day trend



Climate statistics for Australian locations

Monthly climate statistics

All years of record

Site information

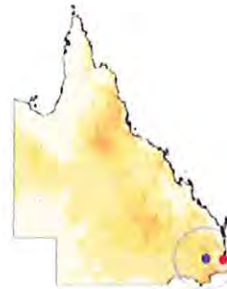
Site name: OAKEY AERO
 Site number: 041359
 Latitude: 27.40 °S Longitude: 151.74 °E
 Elevation: 406 m
 Commenced: 1970 Status: Open
 Latest available data: 24 Feb 2011

Additional information

Additional site information

Nearest alternative sites

- 041529 TOOWOOMBA AIRPORT (22.8km)
- 041103 TOOWOOMBA (27.3km)
- 041011 CAMBOOYA POST OFFICE (35.7km)



View: Main statistics All available Period: Use all years of data Text size: Normal Large

Statistics	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Years
Temperature														
Mean maximum temperature (°C)	30.8	29.9	28.7	25.9	22.3	19.1	18.5	20.3	23.8	26.6	28.5	30.3	25.4	38 1973-2011
Mean minimum temperature (°C)	17.8	17.6	15.6	11.9	8.0	4.1	2.8	3.7	7.3	11.3	14.4	16.6	10.9	38 1973-2011
Rainfall														
Mean rainfall (mm)	81.8	83.0	45.3	32.7	40.4	28.9	30.4	26.3	32.5	56.8	78.6	97.4	635.5	41 1970-2011
Decile 5 (median) rainfall (mm)	60.4	71.1	34.6	19.0	27.3	17.4	24.6	21.2	25.0	46.6	67.2	93.0	622.2	41 1970-2011
Mean number of days of rain ≥ 1 mm	5.8	5.1	4.3	3.2	3.5	3.1	3.6	3.1	3.9	5.3	6.3	6.7	53.9	40 1970-2011
Other daily elements														
Mean daily sunshine (hours)														
Mean number of clear days	3.9	4.2	7.2	7.8	8.3	9.2	11.6	12.7	11.6	9.4	6.3	4.5	96.7	37 1973-2010
Mean number of cloudy days	5.8	7.2	6.2	5.2	6.5	5.8	5.7	4.1	4.0	6.3	6.5	5.2	68.5	37 1973-2010
9 am conditions														
Mean 9am temperature (°C)	24.3	23.6	22.3	19.5	15.3	11.0	10.4	12.6	16.9	20.2	22.2	23.9	18.5	37 1973-2010
Mean 9am relative humidity (%)	63	67	66	67	74	79	76	67	59	56	58	59	66	37 1973-2010
Mean 9am wind speed (km/h)	16.4	16.9	16.0	13.8	10.1	8.5	8.3	10.9	14.3	16.5	15.8	15.3	13.6	34 1973-2010
3 pm conditions														
Mean 3pm temperature (°C)	29.3	28.3	27.3	24.5	21.1	18.0	17.4	19.2	22.6	25.2	26.9	28.5	24.0	37 1973-2010
Mean 3pm relative humidity (%)	44	48	44	43	46	46	44	37	35	36	40	41	42	37 1973-2010
Mean 3pm wind speed (km/h)	18.6	17.7	17.2	16.4	16.2	17.2	17.3	17.9	18.1	17.7	17.7	17.5	17.5	32 1973-2010

red = highest value blue = lowest value

Product IDCJCM0027 Prepared at Thu 24 Feb 2011 22:51:37 PM EST

Monthly statistics are only included if there are more than 10 years of data. The number of years (provided in the 2nd last column of the table) may differ between elements if the observing program at the site changed. More detailed data for individual sites can be obtained by contacting the Bureau.

Related Links

This page URL: http://www.bom.gov.au/climate/averages/tables/cw_041359.shtml
 About climate averages: <http://www.bom.gov.au/climate/cdo/about/about-stats.shtml>
 Bureau of Meteorology website: <http://www.bom.gov.au>

Page created: Thu 24 Feb 2011 22:51:37 PM EST

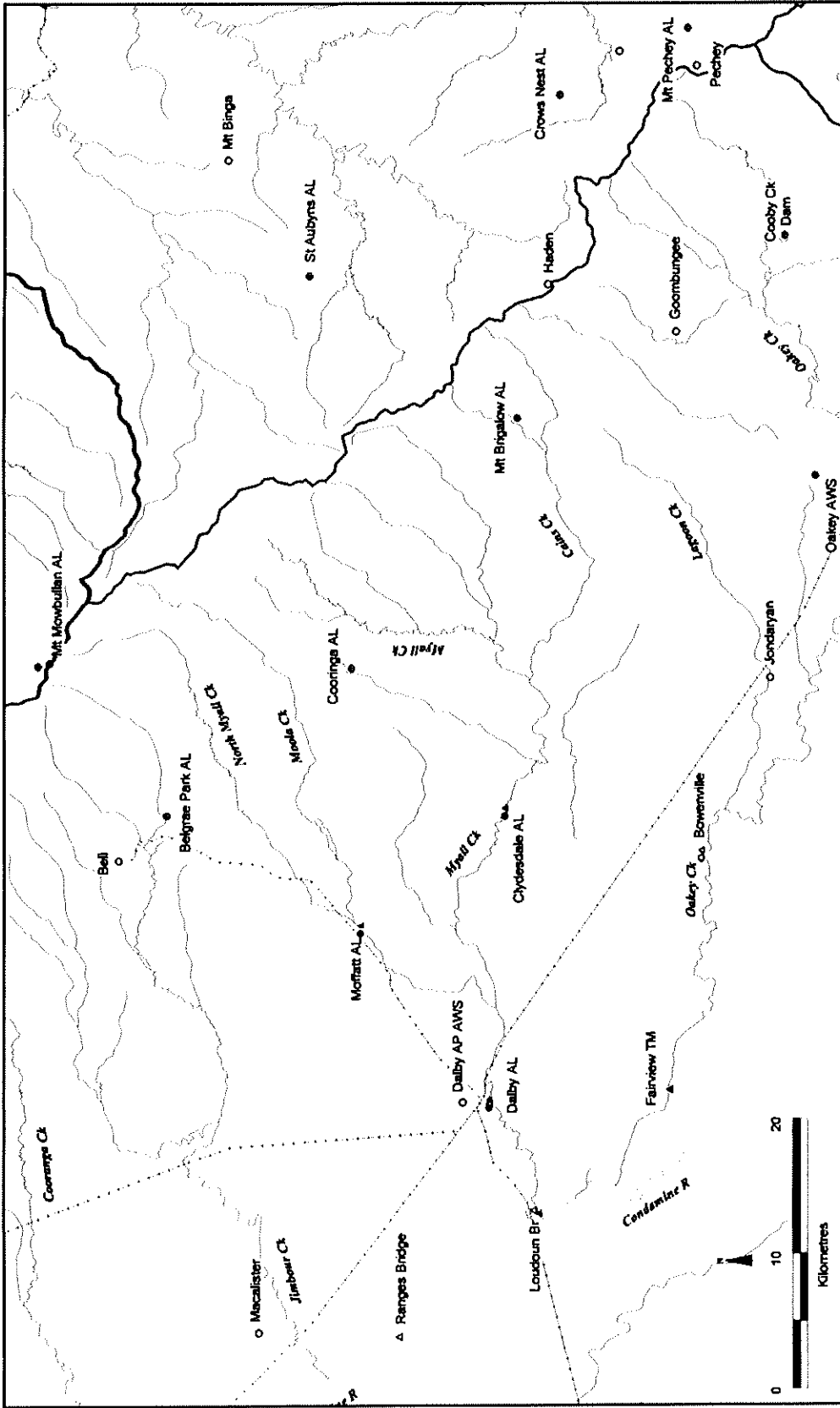
Jondaryan Rainfall Reports

January 2011		Jan	2011	go latest
date		rain to 9am	interval	
		mm	hours	
Sat 01/01/2011		0.0	-	-
Sun 02/01/2011		0.0	-	-
Mon 03/01/2011		5.8	24	-
Tue 04/01/2011		20.0	24	-
Wed 05/01/2011		0.0	-	-
Thu 06/01/2011		20.0	24	-
Fri 07/01/2011		31.8	24	-
Sat 08/01/2011		6.8	24	-
Sun 09/01/2011		12.8	24	-
Mon 10/01/2011		64.6	24	-
Tue 11/01/2011		36.2	24	-
Wed 12/01/2011		3.4	24	-
Thu 13/01/2011		0.0	-	-
Fri 14/01/2011		0.0	-	-
Sat 15/01/2011		0.0	-	-
Sun 16/01/2011		0.0	-	-
Mon 17/01/2011		0.0	-	-
Tue 18/01/2011		0.0	-	-
Wed 19/01/2011		0.0	-	-
Thu 20/01/2011		11.0	24	-
Fri 21/01/2011		0.0	-	-
Sat 22/01/2011		0.0	-	-
Sun 23/01/2011		0.0	-	-
Mon 24/01/2011		0.0	-	-
Tue 25/01/2011		0.0	-	-
Wed 26/01/2011		0.0	-	-
Thu 27/01/2011		0.0	-	-
Fri 28/01/2011		0.0	-	-
Sat 29/01/2011		0.0	-	-
Sun 30/01/2011		0.0	-	-
Mon 31/01/2011		0.0	-	-
January 2011 Total		212.4	10 day(s)	
Jan-Jan 2011 Total		212.4	10 day(s)	

Highlights the highest daily rainfall during the period.

10

A yellow cell indicates a probable monthly record for this site (sites with ≥ 10 years of records only). The number of years of records available for the relevant field for this month is indicated in black. See the station's climate page for full details.



- ▶ Manual Heavy Rainfall Station
- Daily Reporting Rainfall Station
- Manual River Station
- Telemetry Rainfall Station
- ▲ Telemetry River Station

MYALL CREEK TO DALBY FLOOD WARNING NETWORK

Major Roads
Railway
Revised: Nov 2009

Digital data supplied Geoscience Australia. All rights reserved.

c:\pub\maps\map12\map422_7.mxd

Monthly Data for Jondaryan Post Office

Site Number 041053 • Locality: Jondaryan • Opened Jan 1887 • Still Open • Latitude 27°22'03"S • Longitude 151°35'23"E • Elevation 371.9m

Total Monthly Precipitation (mm)

Annual column shows total of monthly values, but only when 12 months are present

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1887	97.8	66.0	86.4	30.7	3.0	0.8	80.0	64.3	39.9	28.2	38.6	43.4	579.1
1888	55.9	129.3	0.0	0.0	2.5	0.0	0.0	6.1	16.5	11.2	59.9	70.1	351.5
1889	26.4	15.5	62.5	111.0	97.0	38.4	127.0	50.5	86.1	26.2	104.6	97.0	842.2
1890	202.4	126.5	295.4	63.5	43.7	36.1	8.6	13.5	68.8	83.8	19.8	74.9	1037.0
1891	162.6	16.5	4.3	47.0	35.3	55.9	66.0	62.0	41.9	52.8	175.3	99.8	819.4
1892	50.3	61.7	161.0	108.2	58.4	22.4	23.1	21.6	72.4	118.1	57.7	72.1	827.0
1893	135.9	276.9	54.1	104.1	17.8	205.7	68.3	65.3	25.7	91.7	44.2	5.3	1095.0
1894	141.5	53.3	107.2	37.1	30.0	48.0	4.3	20.1	88.4	119.4	37.6	43.9	730.8
1895	231.4	18.3	4.3	68.6	16.3	0.0	28.4	12.7	31.8	34.8	171.7	206.8	825.1
1896	84.3	118.1	39.4	21.1	16.8	15.5	100.1	15.5	22.1	23.6	81.5	94.5	632.5
1897	135.1	25.9	62.5	0.0	1.8	46.7	92.7	40.1	72.1	136.4	8.4	222.5	844.2
1898	241.6	11.9	35.8	0.0	37.3	29.0	16.5	10.9	65.5	36.6	34.3	31.5	550.9
1899	170.7	49.3	14.5	70.9	20.3	28.0	37.0	25.6	56.4	36.3	19.1	56.4	584.5
1900	43.7	66.1	68.6	42.7	55.5	26.7	45.8	36.1	51.6	0.0	34.4	36.6	507.8
1901	38.9	24.9	121.7	92.7	23.7	79.5	62.3	102.4	30.5	80.8	9.6	22.1	689.1
1902	48.3	0.0	6.9	8.6	0.0	5.3	0.0	10.7	26.6	43.3	29.2	84.0	262.9
1903	30.5	68.5	67.7	29.5	132.4	0.0	86.9	50.3	83.9	100.6	122.8	48.3	821.4
1904	35.6	98.5	114.1	11.7	111.4	13.0	58.2	2.3	51.1	49.4	64.3	110.5	720.1
1905	50.2	7.9	42.4	56.1	58.1	14.5	21.1	10.2	7.6	58.0	45.9	130.4	502.4
1906	72.4	96.0	126.8	10.2	9.9	27.6	48.5	78.7	87.3	99.6	44.9	120.5	822.4
1907	107.7	33.3	130.3	0.0	63.1	69.7	18.5	17.8	3.0	10.4	74.8	82.9	611.5
1908	0.0	126.3	100.0	21.0	0.0	16.8	0.3	42.3	34.5	39.6	63.8	41.6	486.2
1909	62.3	41.4	20.9	61.2	5.1	34.9	28.0	62.2	53.1	28.7	28.8	69.3	495.9
1910	193.2	36.6	75.7	7.6	0.0	85.6	40.9	14.0	52.4	83.2	42.0	83.5	714.7
1911	101.0	47.3	65.0	14.5	21.3	0.0	14.3	7.9	22.4	91.9	28.0	16.5	430.1
1912	51.2	43.9	101.7	0.0	6.4	102.3	43.2	32.1	25.1	55.6	20.4	26.1	508.0
1913	77.0	29.4	40.9	0.5	66.4	119.1	14.3	0.0	28.9	37.9	36.9	25.2	476.5
1914	77.4	71.2	87.0	27.0	49.8	59.2	39.9	22.1	0.0	43.4	3.6	47.9	528.5
1915	59.8	28.2	5.1	26.2	14.5	10.1	29.0	23.7	23.9	5.1	44.0	49.1	318.7
1916	86.7	103.6	107.7	71.8	11.7	72.6	80.5	44.4	31.5	88.6	158.5	54.6	912.2
1917	88.8	82.1	59.7	21.9	7.4	8.4	8.4	26.5	139.0	79.1	124.0	61.5	706.8
1918	109.3	24.1	42.7	19.6	3.8	19.0	3.5	34.3	3.6	44.6	2.0	64.3	370.8
1919	36.3	64.6	74.5	7.1	53.6	3.3	3.8	9.9	4.0	12.0	15.2	17.0	301.3
1920	188.2	33.5	22.1	4.6	69.1	61.5	76.2	31.7	35.6	61.9	50.0	64.7	699.1
1921	46.7	7.4	31.0	5.3	21.8	124.4	90.1	2.5	24.7	23.4	26.9	176.5	580.7
1922	65.6	59.3	49.5	0.0	3.8	33.5	57.6	0.0	41.2	50.8	56.9	74.2	492.2
1923	36.9	0.0	13.9	5.0	7.1	50.4	15.7	3.8	17.8	28.4	7.4	204.4	390.8
1924	80.0	74.7	88.8	27.7	0.0	14.7	43.9	29.7	113.4	81.7	90.3	106.5	751.4
1925	106.4	92.7	42.1	0.0	58.9	15.4	20.6	72.2	14.2	2.0	141.3	89.4	655.2
1926	88.4	6.6	37.8	44.4	21.6	54.8	17.3	19.1	34.0	23.6	20.3	130.1	498.0
1927	214.4	89.2	74.8	69.2	0.0	92.8	10.2	14.0	14.4	92.9	82.4	57.7	812.0
1928	20.3	159.2	25.7	83.3	14.2	44.9	29.1	0.0	0.0	39.5	70.1	103.2	589.5
1929	42.1	79.1	114.3	75.0	5.6	35.3	16.3	16.8	4.6	79.1	46.4	116.5	631.1
1930	57.7	107.4	47.8	65.3	50.8	62.7	76.5	17.6	34.1	50.2	50.0	26.2	646.3
1931	49.8	128.3	75.6	52.2	35.4	43.2	34.5	11.7	31.1	43.9	138.3	138.0	781.8
1932	69.4	7.4	1.5	117.0	16.5	30.7	32.0	6.1	40.1	75.4	119.5	95.3	610.9
1933	122.9	45.7	0.0	81.0	9.6	24.9	58.7	39.3	59.9	61.5	198.5	62.8	764.8
1934	76.9	108.4	0.0	83.3	79.7	27.2	73.4	48.3	9.6	53.3	129.1	189.8	879.0
1935	156.4	6.1	12.4	42.6	55.1	6.3	35.0	14.7	60.0	31.2	7.1	93.0	519.9
1936	127.7	15.7	91.7	15.0	8.4	39.9	55.4	5.8	36.0	26.1	26.9	99.7	548.3
1937	46.6	19.5	107.7	39.1	5.3	22.7	18.8	32.9	14.2	105.6	96.0	19.2	527.6
1938	167.9	16.5	64.8	13.7	53.4	21.6	54.5	34.1	11.9	71.2	96.5	11.1	617.2
1939	202.2	45.2	132.3	63.1	8.6	86.7	33.0	32.1	1.6	44.1	157.7	98.8	905.4
1940	102.2	121.2	58.4	13.6	50.0	22.6	7.6	0.3	32.5	4.3	66.8	105.6	585.1
1941	140.3	52.3	142.0	32.5	15.5	29.0	18.0	3.3	6.1	27.0	113.8	26.7	606.5
1942	106.5	179.5	52.1	54.3	31.3	11.3	52.6	25.9	12.7	68.8	64.0	251.1	910.1
1943	79.8	26.7	13.0	36.5	24.9	19.1	5.1	47.0	64.0	98.9	107.7	195.2	717.9



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Prepared by Shaun Fitzsimon in the Queensland Regional Observations Section of the Bureau of Meteorology. Contact us by phone on 1800 017 028 or (07) 3239 8783, by fax on (07) 3229 0614, or by email on s.fitzsimon@bom.gov.au
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Monthly Data for Jondaryan Post Office

Site Number 041053 • Locality: Jondaryan • Opened Jan 1887 • Still Open • Latitude 27°22'03"S • Longitude 151°35'23"E • Elevation 371.9m

Total Monthly Precipitation (mm)

Annual column shows total of monthly values, but only when 12 months are present

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1944	141.5	47.1	0.0	12.2	35.4	19.0	57.4	43.1	48.3	29.7	44.4	78.0	556.1
1945	121.9	83.1	3.5	65.8	51.1	115.3	35.3	43.7	23.0	14.8	62.1	85.2	704.8
1946	259.3	42.1	30.8	20.3	1.3	1.3	8.9	3.8	44.7	61.2	36.5	48.9	559.1
1947	114.9	56.3	209.3	44.7	40.9	21.1	2.8	17.3	72.7	61.7	136.4	148.5	926.6
1948	19.3	52.6	65.0	9.1	38.2	98.5	34.2	5.6	46.2	1.8	35.1	94.7	500.3
1949	28.0	83.1	49.3	4.1	3.8	56.3	27.4	10.7	38.3	149.5	74.5	65.0	590.0
1950	99.5	209.8	91.1	80.9	29.8	158.4	113.6	9.1	9.4	126.0	110.9	4.6	1043.1
1951	183.6	28.2	68.0	37.1	13.7	38.3	2.0	13.2	12.7	40.8	26.7	43.4	507.7
1952	35.1	128.0	25.5	113.2	91.6	61.4	29.8	38.8	38.2	152.6	23.3	38.5	776.0
1953	30.5	104.5	66.2	18.3	43.5	1.8	4.8	65.8	0.0	28.2	41.5	66.8	471.9
1954	22.3	174.1	33.1	23.1	11.7	20.4	50.6	66.3	28.7	106.3	100.4	18.2	655.2
1955	96.8	29.6	71.8	78.6	94.5	25.9	43.2	15.2	62.7	92.2	17.8	170.4	798.7
1956	310.6	224.9	80.5	30.5	76.4	50.5	29.6	3.0	14.0	40.3	38.6	161.3	1060.2
1957	51.5	31.7	71.0	16.8	0.0	38.8	77.5	9.1	6.4	64.8	32.3	52.8	452.7
1958	70.5	68.1	103.4	65.3	0.0	134.6	14.7	44.4	41.4	85.6	14.2	123.7	765.9
1959	177.5	143.3	59.7	5.3	29.6	2.0	42.5	0.0	35.0	161.9	125.5	126.1	908.4
1960	39.6	81.3	36.3	20.9	19.3	28.7	31.5	35.8	8.2	38.3	106.6	87.2	533.7
1961	52.0	116.6	15.2	10.4	16.8	25.4	51.2	37.8	12.2	43.5	208.5	83.9	673.5
1962	56.4	38.9	77.0	58.9	12.5	13.9	52.6	41.8	54.9	25.9	23.9	69.6	526.3
1963	42.7	40.8	77.3	11.9	52.3	17.3	1.0	59.1	7.1	44.4	120.7	81.1	555.7
1964	42.2	75.2	84.1	46.7	63.3	24.8	35.0	11.7	42.7	104.7	22.8	136.5	689.7
1965	38.7	15.3	20.1	35.8	2.0	28.4	125.0	64.1	26.7	36.4	25.8	217.4	635.7
1966	36.3	136.1	115.6	55.1	4.6	59.2	7.4	92.8	39.2	45.0	43.8	120.6	755.7
1967	71.2	57.9	84.7	2.0	53.6	149.5	10.8	28.0	3.6	51.6	46.2	17.7	576.8
1968	63.8	41.4	96.7	57.2	37.8	5.8	64.0	54.6	17.5	2.5	72.9	79.3	593.5
1969	123.0	25.7	27.4	10.9	53.8	32.7	11.7	57.0	23.7	117.8	91.5	97.0	672.2
1970	87.9	23.4	37.9	18.3	57.1	16.8	1.5	6.6	51.5	52.3	52.6	205.6	611.5
1971	160.1	259.6	6.9	0.0	28.0	16.5	20.3	49.7	36.0	57.5	75.5	166.4	876.5
1972	144.0	47.3	46.2	14.2	15.6	15.2	1.3	12.9	14.5	213.2	105.1	127.3	756.8
1973	133.1	82.6	39.1	0.8	21.8	7.4	83.2	52.8	53.0	54.3	87.0	69.5	684.6
1974	245.4	0.0	46.2	8.2	38.4	14.6	8.6	71.6	41.4	88.8	165.6	108.4	837.2
1975	43.4	68.4	97.8	17.4	0.0	40.0	46.6	36.2	65.6	98.4	94.4	143.2	751.4
1976	92.8	91.2	65.0	15.0	62.2	27.5	37.8	0.0	88.8	24.2	158.4	20.0	682.9
1977	34.9	93.8	134.8	23.6	75.9	0.0	0.0	6.4	4.0	35.5	36.4	5.0	450.3
1978	80.8	37.8	60.6	68.0	24.6	71.8	64.9	84.4	90.4	48.8	72.6	123.6	828.3
1979	20.0	23.0	105.0	20.0	30.4	78.2	41.4		22.9	52.2	90.8	26.8	
1980	97.2	71.2	17.0	0.0	37.0	0.0	29.0	18.2	0.0	85.1	37.0	73.4	465.1
1981	17.0	212.4	0.0	103.4	25.6	59.0	55.8	21.9	5.6	15.7	103.2	145.8	765.4
1982	40.0	50.2	31.5	28.2	23.4	0.0	19.0	1.0	43.7	60.3	3.0	86.8	387.1
1983	69.0	3.6	82.0	106.4	187.2	115.6	17.0	42.4	15.6	120.2	122.1	82.0	963.1
1984	80.1	62.7	63.9	111.8	12.6	36.2	142.7	28.7	28.8	26.6	54.1	49.0	697.2
1985	45.5	40.6	26.7	34.3	22.6	48.8	46.8	36.5	40.6	51.1	39.2	128.2	560.9
1986	36.4	104.4	0.2	9.2	96.4	2.4	57.8	33.2	5.6	84.4	52.2	45.2	527.4
1987	120.0	14.8	23.8	0.4	31.8	17.4	25.4	27.7	7.2	115.8	26.8	121.3	532.4
1988	114.2	148.3	35.9	235.1	26.2	36.0	78.7	47.2	59.7	3.0	30.1	76.6	891.0
1989	129.6	25.8	65.2	66.5	37.4	19.5	25.2	19.4	6.0	72.6	138.8	56.6	662.6
1990	41.2	107.4	35.4	85.4	83.6	25.2	29.8	17.2	38.0	39.6	37.2	41.0	581.0
1991	70.2	109.6	0.0	4.0	32.8	10.6	17.8	0.0	1.3	26.0	79.8	165.8	517.9
1992	136.2	127.4	36.0	15.4	44.4	9.2	26.6	24.6	44.4	35.6	69.2	48.2	617.2
1993	25.8	43.6	17.0	0.0	56.4	6.4	34.0	12.6	36.4	46.6	24.0	89.6	392.4
1994	13.4	150.2	78.0	0.0	7.7	22.0	8.8	2.4	6.0	47.6	12.8	18.2	367.1
1995	84.9	99.9	37.8	2.0	33.0	52.6	7.0	0.0	41.2	83.1	205.0	114.0	760.5
1996	148.2	18.8	6.6	14.0	217.7	5.0	18.4	35.2	35.2	31.4	47.8	104.4	682.7
1997	0.0	50.8	0.0	7.4	43.8	6.6	10.8	1.2	71.0	62.8	123.8	62.0	440.2
1998	49.2	74.6	0.0	29.6	71.6	18.2	56.8	81.0	90.4	32.2	75.2	31.4	610.2
1999	61.2	130.4	41.8	1.2	20.0	17.2	83.6	19.0	18.4	51.2	87.6	106.6	638.2
2000	62.6	39.6	12.6	6.6	13.0	41.8	8.4	5.5	2.0	21.2	83.9	69.6	366.8



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Monthly Data for Jondaryan Post Office

Site Number 041053 • Locality: Jondaryan • Opened Jan 1887 • Still Open • Latitude 27°22'03"S • Longitude 151°35'23"E • Elevation 371.9m

Total Monthly Precipitation (mm)

Annual column shows total of monthly values, but only when 12 months are present

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2001	57.4	116.0	17.6	40.9	3.0	0.0	19.2	8.0	14.6	131.9	189.4	89.6	687.6
2002	12.6	57.8	126.0	0.0	15.0	46.0	0.0	64.2	6.4	9.8	26.8	132.4	497.0
2003	17.0	51.8	67.4	36.7	70.4	69.0	17.0	12.0	3.0	89.8	17.0	103.6	554.7
2004	227.0	73.0	52.6	46.0	6.0	2.0	11.0	26.0	18.0	32.4	89.4	80.6	664.0
2005	90.0	18.6	6.0	0.0	6.4	93.4	0.0	6.0	16.2	96.6	104.8	54.4	492.4
2006	128.2	16.6	13.4	26.0	19.1	1.8	23.2	21.0	34.3	10.0	54.3	113.6	461.5
2007	18.0	24.4	4.8	12.0	10.6	70.0							

Summary of Total Monthly Precipitation (mm)

using available data from 1887 to 2007. Annual column shows total of monthly values, but only when 12 months are present

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Number of Obs	121	121	121	121	121	121	120	119	120	120	120	120	119
Mean	89.8	69.9	56.9	36.0	34.8	38.2	36.4	28.1	34.0	58.6	69.7	87.1	641.8
Median	76.9	56.3	49.5	23.6	24.9	27.2	29.4	21.9	31.3	50.4	55.6	81.6	617.2
Lowest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.6	262.9
Highest	310.6	276.9	295.4	235.1	217.7	205.7	142.7	102.4	139.0	213.2	208.5	251.1	1095.0

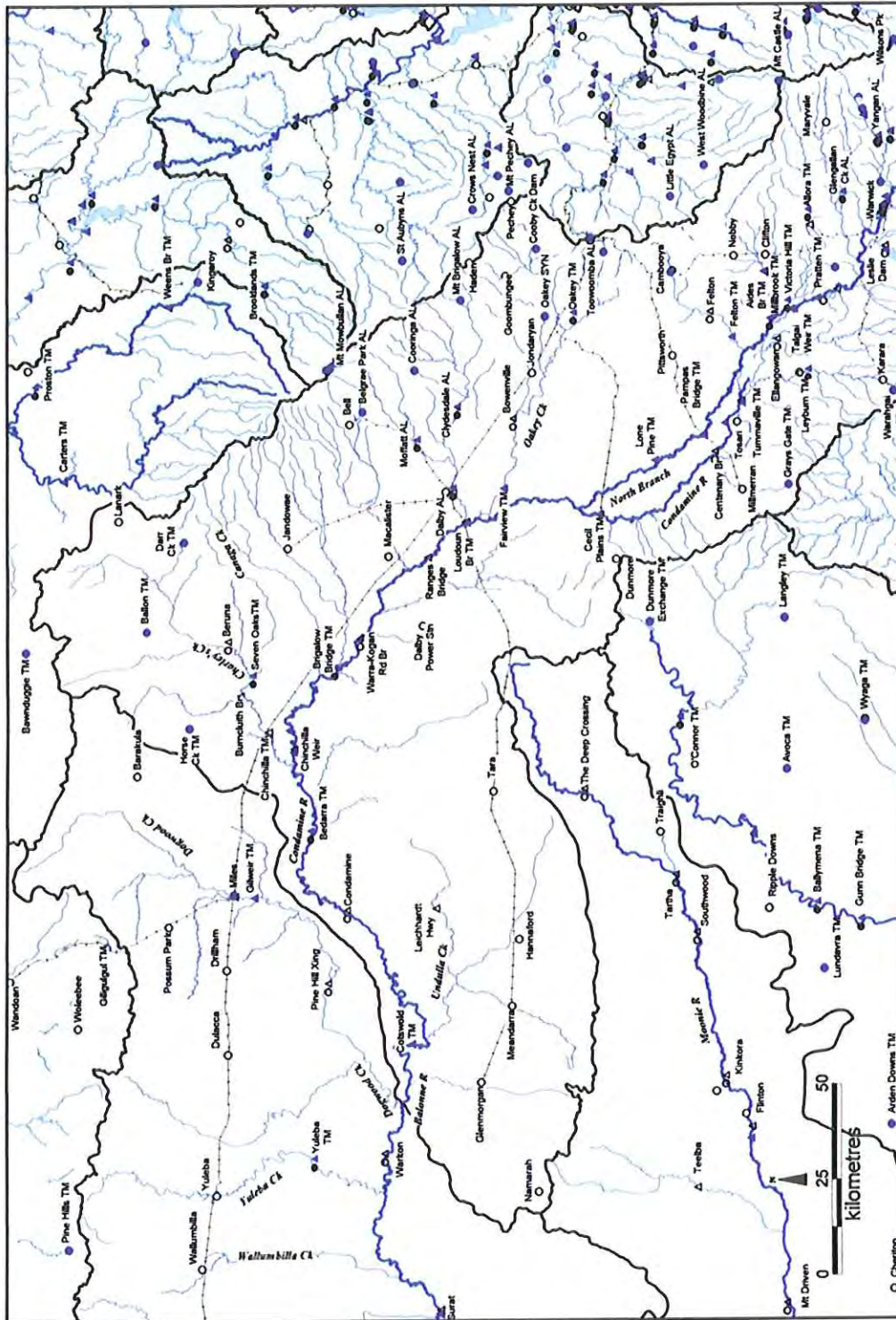


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Photo Register

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- Manual Heavy Rainfall Station
- Daily Reporting Rainfall Station
- △ Manual River Station
- Telemetry Rainfall Station
- ▲ Telemetry River Station

- Major Roads
- Railway

CONDAMINE RIVER - WARWICK TO COTSWOLD FLOOD WARNING NETWORK

Revised: Nov 2009

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IAN MACFARLANE MP
Federal Member for Groom

IMPORTANT FLOOD RECOVERY INFORMATION

Listed below are some of the forms of assistance available to individuals, families, small businesses and farmers affected by the recent flooding and/or severe weather.

If you encounter difficulty in obtaining **information** or require further **assistance** please do not hesitate to contact my office, details of which can be found on the bottom and back of this letter.

Insurance Claims

I would be especially interested to hear from you if you are encountering any difficulty whatever in dealings with your insurance company, particularly if they are not paying 100% of the insured amount.

KEY ASSISTANCE MEASURES

Australian Government Disaster Recovery Payment

One-off payments of \$1,000 per adult and \$400 per child are payable to people adversely affected by the flood. Claims must be lodged by 4 July 2011.

Call 180 22 66

Disaster Income Recovery Subsidy

If you can demonstrate a loss of income as an employee, small business operator or farmer because of flooding and/or severe weather after 29 November 2010, payments of \$469 per fortnight (or \$424 for each member of a couple) is payable for up to 13 weeks. Claims must be lodged by 28 February 2011.

Call 180 22 66

Australian Taxation Office (ATO) Special Assistance

The ATO may be able to assist individuals and businesses affected by flooding by fast tracking refunds, allowing extra time to pay debts or to meet BAS and/or other lodgement obligations.

Call 1800 806 218

Personal Hardship Assistance Grants

Non means tested once-off payments of \$170 per person (max 5 per family) are available.

Call 1800 173 349

Essential Household Contents Grants

Means tested payments to a maximum of \$5,120 per UNINSURED family are available to replace household items lost in the floods.

Call 1800 173 349

Electorate Office:
216 Margaret Street
Entry from Duggan Street
Toowoomba

PO Box 777
Toowoomba, Qld, 4350
Tel (07) 4632 4144
Fax (07) 4638 2147
Email: Ian.Macfarlane.MP@aph.gov.au

Canberra Office:
Room RG-61
Parliament House
Tel (02) 6277 4433
Fax (02) 6277 8492

Structural Assistance Grants

Means tested payments of \$10,500 to \$14,200 are available only to UNINSURED individuals or families to assist with residence repairs.

Call 1800 173 349

Special Disaster Flood Assistance Grants (Small Businesses)

Grants of up to \$25,000 are available to eligible small businesses to repair buildings, purchase equipment or stock etc.

Call 1800 623 946

Natural Disaster Relief & Recovery Assistance Loans (Small Businesses)

Loans of up to \$250,000 at 4% interest are available for terms of up to seven (7) years to repair buildings, purchase equipment or stock etc. No fees or charges are payable in respect of these loans.

Call 13 25 23

Queensland Premier's Disaster Relief Appeal

You may also be eligible to apply for funds from the Premier's Disaster Relief Appeal if the damaged residence was your home that you lived in at the time of the flooding, regardless of whether you own or rent the property, the damaged residence was flooded internally above the level of the floor in the living areas making your home uninhabitable or you will find it hard to recover from the impact of the floods without financial assistance.

If you are eligible, you will receive: \$2000 per adult (18 years of age and over) and \$1000 per dependent child (under 18 years of age). To apply, download the claim form at www.qld.gov.au/floods to read more about your eligibility, how payments will be made and how to apply for assistance.

If you require any further assistance as a result of the floods please don't hesitate to contact my office on 4632 4144.

Yours sincerely



Ian Macfarlane MP
Federal Member for Groom