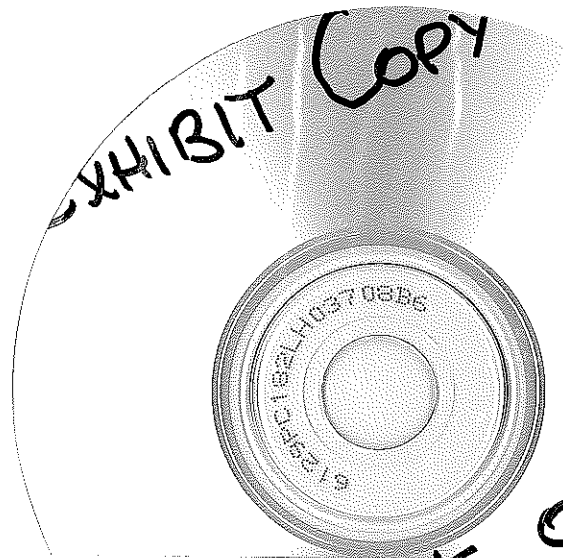


CARROLL



OF

QFCI

Date:

19/05/11

Jm

Exhibit Number:

434

Statement of Donald Gerard Carroll

I, **Donald Gerard Carroll**, Civil Engineer, of [REDACTED] Brisbane, in the State of Queensland, state on oath as follows:

Introduction

1. Attachment "**DGC-1**" is a copy of a notice from the Commissioner of the Queensland Floods Commission of Inquiry (**Commission**) requiring me to provide a statement to the Commission by 1 April 2011 (**Notice**).
2. I am informed that the Commission has advised that the Notice will be taken to have been complied with if by 7 April 2011, I provide:
 - (a) a summary of my communications with the Flood Operations Centre (**FOC**) between 1 October 2010 and 6 January 2011; and
 - (b) an account of my communications with FOC, verbatim where possible, and annexing copies of relevant documents, between 6 January 2011 and 19 January 2011.
3. The Commission has identified certain individuals (and their respective email addresses and a generic email address) as members of FOC between 1 October 2010 and 19 January 2011. Those names and the generic email address are - Rob Ayre, John Ruffini, John Tibaldi, Terry Malone, Mark Tan, Neville Ablitt, Lou van Blerk, Albert Navruk, Kim Hang, Bill Stephens; John West, David Pokarier, Ken Price and [REDACTED]
4. In the time provided to respond to the Notice I have, relevantly:
 - (a) extracted and reviewed the emails from my Brisbane City Council (**Council**) email account to and from FOC during the relevant period;
 - (b) reviewed certain emails from the Council's Flood Information Centre (**FIC**) generic email accounts to and from FOC during the relevant period; and
 - (c) reviewed the FOC "Event Log", a redacted version of which appears as Appendix M to the report dated 2 March 2011, prepared by the Queensland Bulk Water Supply Authority trading as Seqwater (**Seqwater**) and titled "*January 2011 Flood Event - Report on the operation of Somerset Dam and Wivenhoe Dam*". I have also reviewed an un-redacted version which was provided by the Commission. This

[REDACTED]
Donald Gerard Carroll

[REDACTED]
Witness

statement refers to that un-redacted version (**Seqwater Log**). Attachment "DGC-2" is a copy of the Seqwater Log.

5. The information set out below represents my best present recollection of events, given the time available to me and with the benefit of having reviewed the documents attached to this statement.

Qualifications and Background

6. My qualifications include the following:

- (a) Bachelor of Engineering (Civil) (Hons), National University of Ireland, 1978; and
- (b) Masters of Engineering Science (Distinction), Queensland University of Technology, 1991.

7. I am a qualified civil engineer specialising in hydrology and hydraulics. I am a Registered Professional Engineer Queensland. Over the last 10 years my role has been predominantly managerial. I still maintain a deep interest in hydrology and hydraulics.

8. From May 2001 to date, I have been employed by Council under contract. My role has been Group Manager of Water & Environment, City Design. City Design provides advice and consulting services to other sections of Council. The Water & Environment unit consists of a team of 60 to 70 staff.

9. Prior to this role I was engaged as a professional engineer in various consultancy and government agency roles.

Flood Information Centre

10. The FIC becomes operative when a Brisbane River flood is threatened. The FIC sources most of its members from the Water & Environment unit of which I am Group Manager.

11. The FIC is operated in three separate shifts per day, and is led by Ken Morris who is the Principal Engineer, Flood Management, Water & Environment, City Design and is the director of FIC.

12. During the January 2011 flood event, I generally played a supporting role to the FIC from when it stood up. I provided advice and input when required. From time to time I would assume the role of FIC Controller or Assistant Controller. Throughout the day I provided as much support as possible to the FIC while meeting the demands of my regular position. At

2

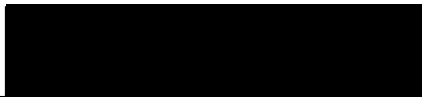

Donald Gerard Carroll

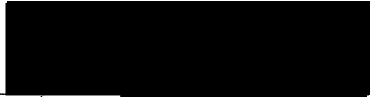

Witness

approximately 4pm each afternoon I would relocate to the FIC and stay until approximately midnight each night. I maintained this schedule between Monday 10 January 2011 to Sunday 16 January 2011.

Communications with FOC

13. Attachment "**DGC-3**" is a copy of a chronological bundle of documents (separated by dated tabs) comprising records of my email communications with members of FOC during the period 1 October 2010 and 19 January 2011 (the **Bundle**).
14. Unless specified below I do not comment any further on these communications.
15. The majority of the email communications sent or copied to me, were either being handled by somebody else or did not call for a response from me.
16. To the extent that I can recall conversations with members of FOC relevant to dam operations, these conversations are set out below.
17. It was my understanding that in about October there was a concern amongst Seqwater, the Bureau of Meteorology (BoM) and Council about the need to improve communications between the respective agencies regarding flood events. To improve communications, the three key agencies (Seqwater, BoM and Council) decided to meet to discuss operating procedures and respective technical capabilities.
18. I received an email at 4.00pm on Monday 18 October 2010 from James Charalambous, in relation to a technical capability meeting between Seqwater, BoM and Council to be held on Friday 22 October 2010. A copy of that email appears at **BCC.024.0024** of the Bundle.
19. The purpose of the meeting on Friday 22 October 2010 as stated in the agenda was:
 - (a) Seqwater, BoM and Council to discuss their technical capabilities and how they operate/function in a flood event;
 - (b) To discuss communications between agencies and the processing of information and data; and
 - (c) To discuss any suggestions or improvements to current systems/processes.
20. I chaired the meeting on Friday 22 October 2010, which was held on the second floor of the Greensquare Building, corner St Paul's Terrace and Constance Street, Fortitude Valley.


Donald Gerard Carroll


Witness

21. The meeting on Friday 22 October 2010 was relatively informal, and to the best of my recollection, the following parties were in attendance (in addition to myself):
- (a) Terry Malone and John Tibaldi on behalf of Seqwater;
 - (b) Peter Baddiley and Jeff Perkins on behalf of the BoM; and
 - (c) James Charalambous, Chris Lavin, Evan Caswell and Ken Morris on behalf of Council.
22. I have a limited recollection of the presentations and discussions that took place at the meeting on Friday 22 October 2010. However, I specifically recall that the meeting identified a real need to convene further meetings on a weekly basis.
23. After the meeting had taken place, James Charalambous circulated a further email at 3.01pm on Friday 22 October 2010 to the relevant representatives of Seqwater, BoM and Council which attached notes from the meeting. A copy of that email appears at **BCC.022.0055**. The notes from the meeting were not prepared by me.
24. I recall that I took long service leave from 25 October 2010 to 12 November 2010 (inclusive).
25. I have identified that my name appears in an entry in the Seqwater Log at 3.02pm Friday 7 January 2011:
- "Don Carrol (BCC) called FOC with concerns that dam release will add another 200mm on top of abnormal high tide. TM spoke to Jimmy Stewart (BoM) who advised that the effect could be around 50mm - if that can be measured."*
26. I do not recall the detail of this conversation. However, I do recall discussions on this topic on that day. Having refreshed my memory from a review of my emails of that day, I recall one of my team prepared a spreadsheet which included a note referring to a 200mm impact on top of an abnormal high tide from a proposed dam release. This assessment was based on a conservative estimate from the BoM. It is likely that I discussed this issue with FOC.
27. Subsequently, the Seqwater Duty Engineer sent an email to various parties at 3.09pm on 7 January 2011. A copy of that email appears at **BCC.022.0427** of the Bundle and relevantly states as follows:
- "Conversations have just taken place between BCC, Seqwater and BoM re impact of flows in the lower Brisbane R."*


Donald Gerard Carroll


Witness

Seqwater and BoM concur that a flow of 1,500 m3/s in the lower Brisbane R will only add about 50mm to the expected water levels in the City Reach on the recorded high tides..."

28. I have identified that my name appears in an entry in the Seqwater Log at 5.25pm on Sunday 9 January 2011:

"Don Carroll (BCC) returned call to TM. TM advised potential for releasing up to 2,500 cumecs by Tuesday. With further heavy rainfall, as forecast, the flow in the Lower Brisbane could increase to 3,000 cumecs with potential for closure of Fernvale Bridge and Mount Crosby Bridge by Thursday (possibly Wednesday). Releases from Wivenhoe are dependant on flows from Lockyer Ck and inflow into Wivenhoe. FOC will continue to update BCC."

29. I do not recall the detail of this conversation, but have no reason to doubt the accuracy of the entry in the Seqwater Log and it is likely that the conversation did occur.

30. The Seqwater Log also contains the following entry at 7.20pm on Sunday 9 January 2011:

"TM called Don Carroll (BCC) advising him of potential for high releases sooner than previously expected."

31. I do not recall the detail of this conversation, but have no reason to doubt the accuracy of the entry in the Seqwater Log and it is likely that the conversation did occur.

32. I attended work at about 8.30am on the morning of Monday 10 January 2011. That morning the FIC was stood up and I proceeded to ensure that appropriate measures were being put in place regarding the efficient operation of the FIC, such as rostering and resources.

33. The Seqwater Log also contains the following entry at 9.38am Monday 10 January 2011:

"Conference call with Ken Morris (BCC) - informed them that release from Wivenhoe will be maintained at 2000m3/s for the next 24 hrs. This will be revised in 24 hrs. The strategy is to limit the flows to 3000 - 3500m3/s. At 3500m3/s about 322 (the whole property) will be submerged and about 7000 properties will be affected somehow damage bill \$7mil). If the rainfall in the Bremmer and Lockyer increases substantially - it is likely the flows from these catchments can peak at 1000m3/s (on top of Wivenhoe release)"

34. I recall that there was a teleconference that morning. It was my practice to attend teleconferences that were held when I was at the FIC. However, I cannot recall the detail of the specific teleconference referred to in the above entry in the Seqwater Log.

35. A copy of an email that I received from Terry Malone at 3.57pm on 19 January 2011 appears at BCC.002.8675 of the Bundle. The email was sent to myself and various other Council staff.

36. The email includes the following passage:

"As discussed with Don, I'm interested in getting a handle on the relative size of the flood plain storages indicated on your image below..."

37. I have some recollection of receiving a telephone call from Terry Malone prior to his email being sent, to the following effect:

He asked: "I understand that Council has a hydraulic model that could detail the characteristics of flood plain storage along the Brisbane River. Would it be possible for me to get that data?"

I responded: "James will have that information."

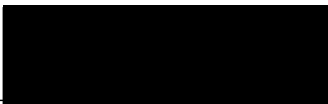
38. The "James" in the above conversation is a reference to James Charalambous, Senior Engineer, Flood Management Section of Water & Environment, City Design.

I make this statement conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1867 (Qld).

Dated 6 April 2011

Signed and declared by Donald Gerard Carroll at
Brisbane in the State of Queensland on
this 6th day of April 2011

Before me:



Signature of person before whom the declaration is
made



Signature of declarant

ALEXANDER NORDANG, SOLICITOR
Full name and qualification of person before whom the
declaration is made

" DGC - 2 "

Thursday 6/1/2011	7:00 AM	TM duty Engineer. Rainfall and water had been remote monitored to this point in time. TM advises Senior Duty Engineer that Flood Operations are required at both Somerset, Wivenhoe and North Pine Dams. TM arrived at FOC to assess strategies and mobilises FOC, Wivenhoe, Somerset and North Pine Dam. <u>North Pine Dam</u> At 07:00hrs Thursday, North Pine Dam was 39.60m, 0.05m below gate trigger level and having risen 0.18m since 2/1/2011 due to a combination of base flow and runoff from rain in the last 24 hours. Given the forecast rain, gate operations will commence tonight. MBRC will be advised this morning. <u>Somerset Dam</u> At 07:00hrs Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck. Further regulator operations will be required later Thursday. <u>Wivenhoe Dam</u> The regulator and hydro were discharging at 50 cumecs to manage baseflow recession from previous flow event. At 07:00hrs Thursday, Wivenhoe Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. The	Situation Report	MT
	8:00 AM	SDWD Model Updated - SDWD-201101060800.xls	Model Run	JW
	8:00 AM	NPD model updated - NPD-201101060800.xls	Model Run	JW
	8:14 AM	<u>Situation Report 0800 06/01/2011</u> <u>Rainfall</u> - Since 9am Wednesday, there have been widespread falls of 30mm with isolated heavy falls up to 50mm in the Somerset and Wivenhoe catchments. Totals in the North Pine catchment have generally been below 10mm. Falls up to 60mm were recorded in the Leslie Harrison catchment. - The forecast for the next 24 to 48 hours is for totals up to 150mm in SE Qld. - The catchments remain wet and are likely to generate additional runoff in the event of rain. <u>North Pine Dam</u> - At 0700 Thursday, North Pine Dam was 39.60m, 0.05m below gate trigger level and having risen 0.18m since 2/1/2011 due to a combination of baseflow and runoff from rain in the last 24 hours. - Given the forecast rain, gate operations will commence tonight. MBRC will be advised this morning <u>Somerset Dam</u> - At 0700 Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck. Further regulator operations will be required later Thursday.	Situation Report	TM

	Wivenhoe Dam	Situation Report	
	- At 0700 Thursday, Wivenhoe Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenhoe Dam. Gates will be opened in the next 24 hours to manage the inflows from the upper Brisbane River and the outflow from Somerset. Impacts of Wivenhoe Dam Releases - Somerset Regional, Ipswich City and Brisbane City Councils will be advised of the potential for gate operations after a full assessment of the situation this morning. At this stage it is anticipated that peak releases from Wivenhoe will be below 500m³/s but this will depend on the forecast rain and flows downstream of the dam. - The expected Wivenhoe release and local flows will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. At this stage, there are not expected to be any adverse impacts upon Fernvale Bridge, Burtons Bridge or Mt Crosby Weir Bridge Leslie Harrison Dam Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours. The next situation report will be issued at 1800 Thursday 6/1/2011.		
8:30 AM	MT spoke with Graham Keegan (Stand-in Central Coordinator) about readiness of staff for flood operations. Graham confirms that staff have been rostered and are ready.	Correspondence	MT
8:50 AM	Andy Bickerton (MBRC) called to query about flows are Fernvale bridge. TM provided an update for possible gate operations.	Correspondence	MT
9:05 AM	Glen Paterson called to inform that North Pine Dam staff have been rostered and are ready.	Correspondence	MT
9:40 AM	Rob Drury called to inform that Tony Trace has returned to the office and is contactable. He also requested for a situation update.	Correspondence	MT
11:00 AM	Tony Trace (Ipswich City Council (ICC)) called for a situation update. TM shared the release strategy for tonight.	Correspondence	MT
11:49 AM	TM advised MBRC Call Centre that North Pine Dam will commence gate operations tonight. He requested for MBRC to call him.	Correspondence	MT
12:00 PM	SDWD Model Updated - SDWD-201101061200.xls	Model Run	JW
12:04 PM	Kerry (MBRC) called. TM advised her that the latest North Pine Dam gates may be opened will be 7:00pm today. FOC will advise them accordingly.	Correspondence	MT
12:43 PM	Andy Bickerton (MBRC) called. TM advised that water will be over Savages Crossing until end of the week.	Correspondence	MT
12:46 PM	TM advised Ken Marsh (BCC) Wivenhoe Dam will commence gate operations later today.	Correspondence	MT
1:30 PM	Revised Operating Strategy 1200 6/1/2011 North Pine - On track to open tonight Somerset/Wivenhoe - No change to current status - expected inflow volume about 45,000ML. Will reach about 89.7m AHD without releases. - Expected inflow volume about 130,000ML including Somerset. Will reach about 66.3m AHD without releases. - There has been further heavy falls in the Lockyer since 0900 Thursday and the flow from the Lockyer is going to be larger than initially assessed, possibly as high as 600m³/s peaking Saturday. This may close Burtons without any contribution from Wivenhoe. The opening of the Wivenhoe gates will therefore be delayed until the Lockyer peak passes. TM left message for Tony Jacobs (SRC) to return his call.	Situation Report	TM
1:32 PM	TM left message for Tony Jacobs (SRC) to return his call.	Correspondence	MT
1:35 PM	TM advised Andy Bickerton (MBRC) Wivenhoe gate operations will be delayed to Saturday morning. This is due to higher than expected inflows from Lockyer.	Correspondence	MT

1:45 PM	TM advised Tony Trace (ICC) Wivenhoe's gate operations will be delayed till Saturday morning. This is due to higher than expected inflows from Lockyer.	Correspondence	MT
1:46 PM	TM left message for Chris Levin (BCC) to return his call.	Correspondence	MT
1:47 PM	TM left message for Ken Morris (BCC) to return his call.	Correspondence	MT
2:41 PM	Andy Bickerton (MBRC) asked for TM's mobile. He wanted to share MBRC's text message informing people living downstream from North Pine Dam.	Correspondence	MT
2:45 PM	Ken Morris (BCC) called for situation update. TM provided an update.	Correspondence	MT
2:54 PM	Situation Report 1500 06/02/2011 Rainfall - In the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wivenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment. - The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qld. - The catchments remain wet and are likely to generate additional runoff in the event of rain. North Pine Dam At 1400 Thursday, North Pine Dam was 39.66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. MBRC have been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday. Somerset Dam At 0700 Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset inflows.	Situation Report	TM
	Wivenhoe Dam - At 0700 Thursday, Wivenhoe Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenhoe Dam. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow. - There has been significant rainfalls in the Lockyer Ck catchment since 0900 Thursday and a peak of about 600m³/s is expected from the Lockyer late Friday. Wivenhoe gates will be opened after flood levels in the lower Lockyer subside. At this stage Wivenhoe releases during Saturday may be as high as 1,500m³/s and continue for a couple of days. Impacts of Wivenhoe Dam Releases - Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours. - The will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. The relatively high Lockyer flows will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days.	Situation Report	
3:00 PM	SDWD Model Updated - SDWD-201101061500.xls	Model Run	JW
3:11 PM	Jimmy Stewart (BoM) called to discuss with TM about readings from Upper Brisbane & Lockyer. Jimmy & TM are in agreement on readings.	Correspondence	MT
3:19 PM	Kerry (MBRC) called. TM advised her North Pine Dam will commence gates operations from 19:00 hrs.	Correspondence	MT
4:00 PM	SDWD Model Updated - SDWD-201101061600.xls	Model Run	JW
4:00 PM	NPD model updated - NPD-201101061600.xls	Model Run	

5:30 PM	Issued North Pine Directive #1. • Gate C : Open 1 increment at 1900 • Gate E : Open 1 increment at 1915 • Gate A : Open 1 increment at 1930 • Gate D : Open 1 increment at 1945 • Gate B : Open 1 increment at 2000	Directive	NGA
5:33 PM	Situation Report 1800 06/01/2011 Rainfall - In the 8 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wivenhoe catchments. There have been significant rainfalls in the Lockyer Ck catchment in the last 24 hours with widespread falls of 50mm and isolated falls up to 75mm. Totals in the North Pine catchment have generally been about 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment. - The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qld. North Pine Dam At 1700 Thursday, North Pine Dam was 39.68m, 0.03m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. Moreton Bay Regional Council has been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday. Somerset Dam At 1700 Thursday, Somerset Dam was 99.45m, 0.45m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset inflow. Wivenhoe Dam - At 1700 Thursday, Wivenhoe Dam was 67.39m and rising slowly. This is 0.39m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels are still rising at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow. - A peak of about 600m³/s is expected from the Lockyer late Friday. At this stage there is some uncertainty associated with this estimate and it may or may not impact Burtons Bridge. Wivenhoe gates will be opened after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. At this stage Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,500m³/s, similar to recent events, and continue for a couple of days. Impacts of Downstream of Wivenhoe - Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours. - The relatively high Lockyer flows will adversely impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days and may impact upon Burtons Bridge early Saturday. At this stage, there are not expected to be any adverse impacts. Brett Schultz (North Pine Dam) called to inform that MBRC workmen were waiting until 19:00 hrs to close Young's Crossing boom gates. This delayed dam gate opening by 15 minutes. Graham Francis (Somerset Dam) called to enquire about the release strategy. RA advised the impacts of the Lockyer flow were being monitored. Communication by e-mail was O.K'd.	Situation Report	TM
6:57 PM	Issued North Pine Directive #2. • Gate C : Open to 2 increments at 20:30 • Gate E : Open to 2 increments at 20:45 • Gate A : Open to 2 increments at 21:00 • Gate D : Open to 2 increments at 21:15 • Gate B : Open to 2 increments at 21:30	Correspondence	NGA
7:45 PM	Issued North Pine Directive #2. • Gate C : Open to 2 increments at 20:30 • Gate E : Open to 2 increments at 20:45 • Gate A : Open to 2 increments at 21:00 • Gate D : Open to 2 increments at 21:15 • Gate B : Open to 2 increments at 21:30	Correspondence	NGA
8:15 PM	Issued North Pine Directive #2. • Gate C : Open to 2 increments at 20:30 • Gate E : Open to 2 increments at 20:45 • Gate A : Open to 2 increments at 21:00 • Gate D : Open to 2 increments at 21:15 • Gate B : Open to 2 increments at 21:30	Directive	NGA
9:00 PM	NPD model updated - NPD-201101062100.xls	Model Run	JW
9:00 PM	SDWD Model Updated - SDWD-201101062100.xls	Model Run	JW

Friday, 7 January 2011	6:07 AM	FOC Situation Report at 06:00 on Friday 7 January 2011 <u>Rainfall</u> - There have been general totals around 30 to 50 mm with isolated heavy falls up to 75mm in the Somerset and Wivenhoe catchments since the event commenced on Wednesday 5 January 2011. There have been significant rainfalls in the Lockyer Ck catchment in the last 72 hours with widespread falls of 50mm and isolated falls up to 100mm. - Totals in the North Pine catchment have generally been about 35mm. - Falls between 20 and 30mm were recorded in the Lesile Harrison catchment. - The forecast for the next five days is for totals between 100 and 200mm in SE Qld. Given the saturated condition of the catchments further runoff will most likely be generated from this rainfall. <u>North Pine Dam</u> At 0600 Friday, North Pine Dam was at 39.48m, 0.12m below FSL. Gate operations commenced at 1915 on Thursday 6 January and are expected to continue until at least mid-day Friday 7 January when North Pine Dam is expected to be at 39.40m. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was advised and they closed Youngs Crossing prior to Friday 7 January. <u>Wivenhoe Dam</u> - At 0600 Friday, Wivenhoe Dam was at 67.64m and rising slowly. This is 0.64m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels have peaked at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 230,000ML including Somerset Dam outflow. - A peak of about 470 cumecs is expected from Lockyer Creek by mid-afternoon on Friday 7 January. At this stage there is some uncertainty associated with this estimate but it may be of sufficient magnitude to inundate Burtons Bridge. - Wivenhoe gate releases will occur after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. It is proposed that Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,200 cumecs, (similar but slightly smaller to recent events), and the releases are expected to continue over the weekend though to Monday or Tuesday. <u>Impacts of Downstream of Wivenhoe</u> - Somerset Regional Council, Ipswich City Council and Brisbane City Council have been advised of the potential for gate operations TM and LVB commenced day shift.	Situation Report	LVB
	7:00 AM		Other	LVB
	8:00 AM	Advice from BoM indicates that SEQ can expect some high rainfall totals over the next 5 days up to Tuesday 11/1/11 with the largest falls predicted for Sunday and Monday.	Correspondence	LVB
	8:00 AM	NPD model updated - NPD-201101070800.xls	Model Run	LVB
	8:21 AM	Called Tony Jacobs @ Somerset Council to inform him that the Lockyer is running - all bridges in Somerset Region will be cut off this morning. Wivenhoe gates will be opened once the Lockyer peak is through.	Correspondence	LVB
	8:40 AM	FOC called Kerry (MBRC) to inform them that North Pine will be operate for the next few days - probably till Tuesday.	Correspondence	LVB
	8:44 AM	Called Chris Lavin (BCC) to inform that Wivenhoe gates will be opened again this afternoon and releases might peak at 1500m3/s. This might continue until the end of next week.	Correspondence	LVB
	8:47 AM	Called Tony Trace (ICC) to inform him that Wivenhoe gates will be opened again this afternoon and releases might peak at 1500m3/s. This might continue until the end of next week.	Correspondence	LVB
	10:12 AM	Called Robert Glen (BCC) to provide situation report.	Correspondence	LVB
	12:00 PM	NPD model updated - NPD-201101071200.xls	Correspondence	LVB
	12:00 PM	SDWD Model Updated - SDWD-201101071200.xls	Model Run	JW
	12:15 PM	Site Rep There has been falls between 15 and 30mm in the North Pine catchment in the last 3 hours. This will cause renew rises and increased inflows.	Situation Report	TM
		There are no gate movements projected for the next 3 hours.		

12:34 PM	Issued Wivenhoe Directive #1. • 15:00 Open Gate 3 from 0.0 metres to 0.5 metres • 16:00 Open Gate 3 from 0.5 metres to 1.0 metres • 17:00 Open Gate 3 from 1.0 metres to 1.5 metres • 18:00 Open Gate 3 from 1.5 metres to 2.0 metres • 19:00 Open Gate 3 from 2.0 metres to 2.5 metres • 20:00 Open Gate 3 from 2.5 metres to 3.0 metres • 21:00 Open Gate 3 from 2.5 metres to 3.5 metres		LVB
3:02 PM	Don Carrol (BCC) called FOC with concerns that dam release will add another 200mm on top of abnormal high tide. TM spoke to Jimmy Stewart (BoM) who advised that the effect could be around 50mm - if that can be measured.	Correspondence	LVB
5:00 PM	Issued Somerset Directive #1. • Please open a regulator 100%	Directive	LVB
6:00 PM	SDWD Model Updated - SDWD-201101071800.xls	Model Run	JW
6:00 PM	Issued Somerset Directive #2. • Please open Sluice M at 12:00.	Directive	LVB
6:00 PM	Issued North Pine Directive #3. • Gate B : Close to 1 increment at 19:00 • Gate D : Close to 1 increment at 19:15 • Gate A : Close to 1 increment at 19:30 • Gate E : Close to 1 increment at 19:45 • Gate C : Close to 1 increment at 20:00	Directive	LVB
6:00 PM	Situation Report 1800 Friday 07/01/2011 <u>Rainfall</u> - Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R. - Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days. Saturday: Rain light at times 15-50mm with higher falls along the coast Sunday: Widespread rain with totals between 50-100mm Monday: Widespread rain again with totals between 50-100mm Tuesday: Rain easing with totals between 25-50mm Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday. North Pine (Full Supply Level 39.60 m AHD) - At 1700 Friday, North Pine currently has 5 gates open releasing runoff from rain on Wed/Thursday. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and	Situation Report	TM

		Wivenhoe (Full Supply Level 67.00 m AHD) - At 1700 Friday, Wivenhoe Dam was 68.10 m AHD and rising steadily with one gate open to 1.5 metres and releasing about 168m³/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam. It is intended to ramp up the release from Wivenhoe to about 1,200m³/s during the next 18 hours. However, given the high likelihood of significant inflows in the next week, this may be increased later on the weekend. - Since the commencement of the event on 02/01/2011, approximately 140,000ML has flowed into Wivenhoe Dam with a further 160,000ML expected (including Somerset release) based on the recorded rainfall to date. Approximately 24,000ML has been released from Wivenhoe via the hydro and regulator at about 50m³/s. Impacts downstream of Wivenhoe - The projected Wivenhoe release of 1,200m³/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted.		
	9:53 PM	Issued Wivenhoe Directive #2. • 07/01/2011 22:00 Open Gate 2 from 0.0 metres to 0.5 metres • 07/01/2011 23:00 Open Gate 4 from 0.0 metres to 0.5 metres • 08/01/2011 00:00 Open Gate 2 from 0.5 metres to 1.0 metres • 08/01/2011 01:00 Open Gate 4 from 0.5 metres to 1.0 metres • 08/01/2011 02:00 Open Gate 1 from 0.0 metres to 0.5 metres • 08/01/2011 03:00 Open Gate 5 from 0.0 metres to 0.5 metres • 08/01/2011 04:00 Open Gate 2 from 1.0 metres to 1.5 metres	Directive	MT
Saturday, 8 January 2011	4:55 AM	Issued Wivenhoe Directive #3. • 08/01/2011 05:00 Open Gate 4 from 1.0 metres to 1.5 metres • 08/01/2011 06:00 Open Gate 1 from 0.5 metres to 1.0 metres • 08/01/2011 07:00 Open Gate 5 from 0.5 metres to 1.0 metres • 08/01/2011 08:00 Open Gate 3 from 3.5 metres to 4.0 metres	Directive	MT
	7:55 AM	Agg Dagan from Somerset Dam rang enquiring on Somerset's strategy. RA advised possibly opening a gate later today.	Correspondence	AN
	8:00 AM	Issued Wivenhoe Directive #4. • 08/01/2011 09:00 Open Gate 2 from 1.5 metres to 2.0 metres • 08/01/2011 10:00 Open Gate 4 from 1.5 metres to 2.0 metres • 08/01/2011 11:00 Open Gate 1 from 1.0 metres to 1.5 metres • 08/01/2011 12:00 Open Gate 5 from 1.0 metres to 1.5 metres • 08/01/2011 13:00 Open Gate 2 from 2.0 metres to 2.5 metres • 08/01/2011 14:00 Open Gate 4 from 2.0 metres to 2.5 metres	Directive	AN
	8:10 AM	RA advised Matthew O'Reilly (Wivenhoe Dam) on directive #4 and discussed strategy.	Correspondence	AN
	8:20 AM	RA rang Brett Schultz (North Pine Dam) and advised on strategy.	Correspondence	AN
	9:00 AM	SDWD Model Updated - SDWD-201101080900.xls	Model Run	JW
	9:00 AM	Agg Dagan (Somerset Dam) rang to advise he is going into Kicoy to see the treatment plant and will be off-site for a couple of hours.	Correspondence	AN
	10:00 AM	NPD model updated - NPD-201101081000.xls	Model Run	JW
	10:50 AM	Rob Drury rang. RA advised current status and strategy.	Correspondence	AN
	11:30 AM	Issued Somerset Directive #3.	Directive	AN
	11:30 AM	• Please open Sluice M to 100% at 12:00. Ken Morris (BCC) rang asking about combined flows down the Brisbane River (Wivenhoe, Warrill Creek and Bremer River). AN advised that at this stage flows would not exceed 1500m³/sec.	Correspondence	AN
	3:00 PM	NPD model updated - NPD-201101081500.xls	Correspondence	
	3:00 PM	SDWD Model Updated - SDWD-201101081500.xls, SDWD-201101081500-Forecast72hr.xls	Model Run	JW

Sunday, 9 January 2011	12:00 AM	Issued North Pine Directive #4. • Gate B : Close to 0 increments at 00:30 • Gate D : Close to 0 increment at 00:45	Directive	NGA
	1:00 AM	Issued Wivenhoe Directive #5. • Open Gate 3 from 4.0 metres to 4.5 metres	Directive	NGA
	4:30 AM	Issued Wivenhoe Directive #6. • Open Gate 1 from 1.5 metres to 2.0 metres	Directive	NGA
	6:15 AM	FOC Situation Report at 06:00 on Sunday 9 January 2011 <u>Rainfall</u> Catchment average rainfall for the past 12 hours is: North Pine Dam (less than 10 mm); Somerset Dam (40 mm); Wivenhoe Dam (less than 10 mm). The bulk of the rain that has fallen in the Somerset Dam catchment has occurred in the last two hours, with recorded falls exceeding 60mm in some areas. The BOM forecast for the next seven days issued at 0450 this morning is:- Sunday: Rain periods. Monday: Rain periods. Tuesday: Rain periods. Wednesday: A few showers. Thursday: A shower or two. Friday: A shower or two. Saturday: Mostly fine. A severe whether warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates. North Pine Dam (Full Supply Level 39.60 m AHD) The dam level is currently 39.47 m AHD and steady. Two radial gates remain open to release runoff generated from recent rainfall. Based on rainfall forecasts, the radial gates have been kept open in anticipation of further inflows over the next few days. However u Somerset Dam (Full Supply Level 99.00 m AHD) The dam level is currently falling slowly, with the current level being 100.27m AHD. However the rain that has fallen in the dam catchment over the last two hours (recorded falls exceed 60mm in some areas) will result in significant inflows later today. The current release rate into Wivenhoe Dam is 35,000ML/day. Since the commencement of the event on 02/01/2011 approximately 56,000ML has been released from the dam, with a total of at least 150,000ML to be released based on the currently recorded rainfall. The total release for the event is likely to increase significantly over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Tuesday. Wivenhoe Dam (Full Supply Level 67.00 m AHD) The dam level is currently falling slowly, with the current level being 68.58m AHD. River levels upstream of the dam are receding, however further inflows will result from any additional rainfall. The current gate operation strategy will maintain flows of around Rob Drury rang. JT advised Rob on current release strategy based on recent heavy overnight rainfall. SDWD Model Updated - SDWD-201101090700.xls Issued Somerset Directive #4. • Please open Sluice K to 100% at 09:00. TM called BoM regarding advice received that widespread rain was expected to continue in the catchment areas over the next 24 - 48 hours. SDWD Model Updated - SDWD-201101090900.xls NPD model updated - NPD-201101090900.xls Issued North Pine Directive #5. • Gate A : Close to 0 increment at 11:00 Issued Wivenhoe Directive #7. • Open Gate 5 from 1.5 metres to 2.0 metres	Situation Report	JT
	6:50 AM		Correspondence	NGA
	7:00 AM		Model Run	JW
	8:15 AM		Directive	NGA
	8:40 AM		Correspondence	NGA
	9:00 AM		Model Run	JW
	9:00 AM		Model Run	JW
	10:30 AM		Directive	NGA
	10:30 AM		Directive	NGA

Time	Event	Model Run	JW
12:00 PM	SDWD Model Updated - SDWD-201101091200.xls	Model Run	JW
12:00 PM	RA scheduled meeting of Duty Engineers this afternoon to discuss current situation and forward release strategies.	Correspondence	JW
12:30 PM	Issued Somerset Directive #5. • Please open Sluice N to 100% at 13:00 • Please open Sluice J to 100% at 14:00	Directive	JW
2:00 PM	SDWD Model Updated - SDWD-201101091400.xls	Model Run	JW
2:00 PM	NPD model updated - NPD-201101091400.xls	Model Run	JW
2:30 PM	NA called Agg Dagan (Somerset Dam) and requested status readings be faxed to the FOC on an hourly basis until advised otherwise. Current Somerset lake level is EL 100.54 and rising fast.	Correspondence	NGA
2:42 PM	FOC called Brett Schultz (North Pine Dam) advising of impending gate openings due to recent heavy rainfall and subsequent projected inflows.	Correspondence	NGA
2:45 PM	Issued North Pine Directive #6. • Gate A: Open to 1 increment at 15:00 • Gate D: Open to 1 increment at 15:15 • Gate B: Open to 1 increment at 15:30	Directive	NGA
3:00 PM	NPD model updated - NPD-201101091500.xls	Model Run	JW
3:30 PM	Duty Engineer Conference held at the FOC: Attended by RA, JR, TM with JT on conf phone. At this stage operating at the top end of W1 and the bottom end of W2 Storing approx. 300,000 ML at present (above Wivenhoe) with an additional 500,000 ML expected to flow into the dams from rainfall on the ground. The rainfall system is currently in the N-E part of the catchment and expected to travel south over the next 24-36 hours according to the BoM forecasts. This has the potential to significantly increase flows in Lockyer Ck & the Bremer River which potentially could close Fernvale Bridge and Mt Crosby Bridge and increase the risk of flooding in the Lower Brisbane. Releases from Wivenhoe Dam will be maintained at the current level of ~ 1,400 cumecs. If required, releases from Wivenhoe Dam will be reduced to contain the flow in the Mid-Brisbane to 1,600 cumecs and 3,000 cumecs in the Lower Brisbane. At this stage it is anticipated that levels below 102.5 in Somerset and 72.5 in Wivenhoe can be attained.	Situation Report	NGA
3:30 PM	Issued North Pine Directive #7. • Gate C: Open to 2 increment at 16:00 • Gate E: Open to 2 increment at 16:15 • Gate A: Open to 2 increment at 16:30	Directive	NGA
4:00 PM	SDWD Model Updated - SDWD-201101091600.xls	Model Run	JW
4:15 PM	TM called Tony Jacobs (Somerset RC) advising that the current strategy was to maintain a flow in the Brisbane River such that the Fernvale Bridge and the Mount Crosby Bridge could be kept open. However, future rainfall could well impact on those roads remaining open. Closure next Tuesday is a real possibility at this stage.	Correspondence	NGA
4:20 PM	Terry Malone phoned Tony Trace (ICC) advising that the current strategy was to maintain flow in the Brisbane River such that the Fernvale Bridge and the Mount Crosby Bridge could be kept open. However, future rainfall could well impact on those roads remaining open. Closure next Tuesday is a real possibility at this stage.	Correspondence	NGA
4:25 PM	TM called Chris Lavin (BCC). A message was left to phone FOC.	Correspondence	NGA
4:26 PM	TM called Ken Morris (BCC). A message was left to phone FOC.	Correspondence	NGA
4:27 PM	Ken Morris returned phone call. Ken was advised by TM that the current strategy was to maintain a flow in the Brisbane River such that the Fernvale Bridge and the Mount Crosby Bridge could be kept open. However, future rainfall could well impact on those roads remaining open. Closure next Tuesday is a real possibility at this stage. Flow in the Lower Brisbane potentially might reach 3,000 cumecs by next Wednesday or Thursday.	Correspondence	NGA
5:18 PM	NA left a message with Graham Keegan (A/Co-ord) regarding the potential for Fernvale Bridge and Mount Crosby Bridge to be closed, possibly from Tuesday. This may impact on staffing issues for both Wivenhoe and Somerset Dams during this flood event. Request for Graham to contact the FOC ASAP.	Correspondence	NGA

5:25 PM	Don Carroll (BCC) returned call to TM. TM advised potential for releasing up to 2,500 cumecs by Tuesday. With further heavy rainfall, as forecast, the flow in the Lower Brisbane could increase to 3,000 cumecs with potential for closure of Fernvale Bridge and Mount Crosby Bridge by Thursday (possibly Wednesday). Releases from Wivenhoe are dependant on flows from Lockyer Ck and inflow into Wivenhoe. FOC will continue to update BCC.	Correspondence	NGA
5:32 PM	Brett Schultz (NPD) phoned the FOC with a manual reading of EL 20.860 at Lake Kurwongbah. Brett noted that should NPD gates be closed in the near future, the Lake Kurwongbah tailwater would impact on Youngs Crossing.	Correspondence	NGA
5:40 PM	Rob Drury phoned TM for an update on the current situation.	Correspondence	NGA
5:45 PM	Graham Keegan returned call and NA advised that TM had requested Graham to factor into his staffing roster of Wivenhoe and Somerset Dams the potential for the Fernvale bridge and the Mount Crosby Bridge to be closed from mid-week sometime, depending on the likelihood of further heavy rainfall.	Correspondence	NGA
5:51 PM	Situation Report 1700 Sunday 9/1/2011 Rainfall Catchment average rainfall for the past 12 hours is: North Pine Dam (60 mm); Somerset Dam (150 mm); Wivenhoe Dam (80 mm). The bulk of the rain that has fallen in the upper reaches of the Stanley and Brisbane Rivers. The BOM rainfall forecast for the next few days is:- Monday: Very heavy rain periods with totals up to 300mm centred around North Pine. Tuesday: Rain periods with totals up to 150mm centred around North Pine. Wednesday: A few showers less than 10mm Thursday: A shower or two. Friday: A shower or two. Saturday: Mostly fine. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates. North Pine Dam (Full Supply Level 39.60 m AHD) The dam level is currently 39.65 m AHD and rising at 1600. Following the rain in the 9 hours, the number of open gates has been	Situation Report	TM
	Somerset Dam (Full Supply Level 99.00 m AHD) - The dam level is 100.75 m AHD and rising quickly. Estimated peak inflow to the dam is about 3,000m ³ /s. Five sluice gates are open releasing about 1,100m ³ /s (95,000ML/d) into Wivenhoe Dam. At this stage the dam will reach at least 101.5 during early Tuesday morning. - Since the commencement of the event on 02/01/2011 approximately 80,000ML has been released from the dam, with an event total of at least 320,000ML based on the recorded rainfall to date. The event total is expected to increase significantly due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Wednesday. Wivenhoe Dam (Full Supply Level 67.00 m AHD) - The dam level is currently rising again, with the current level being 68.70m AHD. Estimated peak inflow to the dam just from the Upper Brisbane R is about 5,000m ³ /s and, at this stage, the dam will reach at least 72.5 m AHD during Wednesday morning. River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. The current TM called Jeff Perkins (BoM) to discuss Wivenhoe Dam's release strategy i.e. Major bridge open strategy Vs increased inflow into Wivenhoe resulting from current heavy rainfall. Situation will become clearer in 24 hours time. SDWD Model Updated - SDWD-201101091800.xls NPD model updated - NPD-201101091800.xls The caretaker from the house at the Colleges Crossing Reserve rang FOC to enquire about predicted flood height at the Colleges Crossing Bridge. TM referred him to Tony Trace (ICC) for an update on flood information affecting the Ipswich area. Advised no change in Wivenhoe releases at this stage and the future options were presently unknown. SDWD-201101091900.xls, SDWD-201101091900norain.xls, SDWD-201101091900withrain.xls	Situation Report	
5:58 PM	TM called Jeff Perkins (BoM) to discuss Wivenhoe Dam's release strategy i.e. Major bridge open strategy Vs increased inflow into Wivenhoe resulting from current heavy rainfall. Situation will become clearer in 24 hours time.	Correspondence	NGA
6:00 PM	SDWD Model Updated - SDWD-201101091800.xls	Model Run	JW
6:00 PM	NPD model updated - NPD-201101091800.xls	Model Run	JW
6:35 PM	The caretaker from the house at the Colleges Crossing Reserve rang FOC to enquire about predicted flood height at the Colleges Crossing Bridge. TM referred him to Tony Trace (ICC) for an update on flood information affecting the Ipswich area. Advised no change in Wivenhoe releases at this stage and the future options were presently unknown.	Correspondence	NGA
7:00 PM	SDWD Model Updated - SDWD-201101091900.xls, SDWD-201101091900norain.xls, SDWD-201101091900withrain.xls	Model Run	JW

7:10 PM	FOC called Tony Jacobs (SRC) advising him that high releases from Wivenhoe (3000 cumecs) are expected to be necessary in view of heavy rain over the last 3 hours.	Correspondence	BS
7:15 PM	FOC called Peter Burrows (Seqwater) advising him that high rainfall is expected overnight and releases from Wivenhoe causing damaging flooding are likely to be necessary.	Correspondence	BS
7:15 PM	FOC called Peter Allen advising him that FOC is now looking at much larger flows and will have to ramp up releases to around 3000 cumecs as by as early as midnight which is likely to have flooding impacts on low-lying areas of Brisbane.	Correspondence	BS
7:20 PM	TM called Don Carroll (BCC) advising him of potential for high releases sooner than previously expected.	Correspondence	BS
7:25 PM	Mal Lane (North Pine Dam) called to advise dam level is at 39.82m AHD. 3 gates are at increment 1 and two are at increment 2. The two at increment 1 are currently being raised to increment 2 (next few minutes).	Correspondence	BS
7:30 PM	Issued North Pine Directive #8. • Open Gate B to 2 increments 19:45 • Open Gate D to 2 increments at 20:00	Directive	BS
8:00 PM	SDWD Model Updated - SDWD-201101092000withrain.xls	Model Run	JW
8:05 PM	RA called Shane Watson (North Pine Dam) to confirm last directive is completed. All gates at increment 2.	Correspondence	BS
8:30 PM	Darryl Hickey (ICC) returned call and spoke to JR. He was informed of current situation and the likelihood of high releases tomorrow causing flood damage.	Correspondence	BS
8:50 PM	RA called Ken Morris (BCC) to request copy of flood damages curve from 2007 study. Ken will send a copy tomorrow.	Correspondence	RA
8:55 PM	Ken Morris called back and spoke with JR. Confirmed BCC mobilisation triggers need to be in place. Status report is in preparation and will be emailed out shortly.	Correspondence	BS
9:00 PM	Issued North Pine Directive #9.	Directive	BS
9:04 PM	Situation Report 2100 9/01/2011	Situation Report	TM
	Rainfall - Very heavy rainfall has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to 140mm. Totals for the last 24 hours range from 100 to 300mm. - Rainfall of similar magnitudes is expected in the 12 to 24 hours, especially around the Bremer/Warrill catchments as the system tracks south. - A severe weather warning remains current for heavy rainfall in the dam catchment areas. Somerset Dam (Full Supply Level 99.00 m AHD) - The dam level is 101.88 m AHD (about 500,000ML currently in storage) and rising quickly. Peak inflow to the dam is estimated to be about 4,000 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m3/s (95,000ML/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 early Tuesday morning which will adversely impact areas around Kilcoy. - Since the commencement of the event on 02/01/2011 approximately 100,000ML has been released from the dam into Wivenhoe. Wivenhoe Dam (Full Supply Level 67.00 m AHD) - River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 6,700m3/s and the river is still rising. - The dam level is rising again, with the current level being 69.10m AHD (1,410,000ML with about 300,00 of flood storage). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning. - The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches. - The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon	Situation Report	
9:10 PM	Rob Drury called and spoke with RA. Rob confirmed that releases will need to be ramped up from current 1400 cumecs to 2500 cumecs which will cause flooding in low lying areas of Brisbane. Brisbane flood information centre has not yet been mobilised. Somerset RC has no DTMR A/H contacts and will be contacting them in the morning. Rob will locate DTMR contacts. Confirmed volumes getting close to 1974 levels. Confirmed situation report has gone out.	Correspondence	BS

9:15 PM	Geoff Perkins (BoM) called and spoke with TM. They discussed on rainfall expectations and flood warning requirements for Brisbane. Bremer/Warrill situation being monitored. Actual and projected flows sent to Geoff.	Correspondence	BS
9:20 PM	Tony Trace (ICC) spoke with RA. Emailing DTMR AH contact to floodroom. Kiosk caretaker at Colleges Crossing is being evacuated. Contact Number for DTMR: Ron Hemley	Correspondence	BS
10:00 PM	SDWD Model Updated - SDWD-201101092200withnorain.xls, SDWD-201101092200-Forecast24hr.xls	Model Run	JW
10:00 PM	NPD model updated - NPD-201101092200.xls	Model Run	JW
10:00 PM	JR called Wivenhoe operator (Doug Grigg) and confirmed current flooding expectations based on rainfall predictions and expected impacts.	Correspondence	BS
10:15 PM	FOC called Tony Jacobs (SRC). A situation update was provided. Fernvale Bridge closure likely to be required in view of probable releases from Somerset to Wivenhoe.	Correspondence	BS
10:20 PM	Rob Drury called and spoke with RA. A teleconference with Water Grid Manager and DERM was completed. Explained 9:00pm situation report. Water Grid Manager will be distributing media release in the morning regarding closure of bridges.	Correspondence	BS
10:30 PM	Brett Myatt (Mt Crosby WTP) called and spoke with RA. He was concerned the guardrails need to be taken off bridge before bridge goes over. RA recommended getting the rails straight off in view of increasing flow expectations overnight. Flow expected to get to 2000ML by morning.	Correspondence	BS
10:30 PM	JR called Wivenhoe Dam operator (Doug Grigg) requesting for a visual inspection of Fernvale Bridge.	Correspondence	BS
10:40 PM	Doug Grigg (Wivenhoe Dam) called discussed Fernvale Bridge situation with JR. Water was lapping the bridge girders.	Correspondence	BS
10:45 PM	Rob Drury called and spoke with RA. Rob Drury will be contacting Dan Spiller to confirm closure of Mt Crosby Weir Bridge. Police are on site.	Correspondence	BS
11:20 PM	JR called Tony Trace (ICC) and left message regarding rates of rise at Mt Crosby. Bridge will be inundated within the next couple of hours.	Correspondence	BS
11:25 PM	JR called Ross Drabble (ICC) regarding rates of rise at Mt Crosby (approx 200 mm from going over) - will be inundated within the next couple of hours. Confirmed more rain is on the way and releases will need to be increased.	Correspondence	BS
11:25 PM	RA spoke with Doug Grigg (Wivenhoe Dam). Water is up to the centreline of the Chine Gully approach to Fernvale Bridge. Esk police are on site and are considering placing road closure signs in Fernvale. Rob Tiltmarsh and Darren Valley (operators living in Fernvale) will be mobilised to the dam by police prior to closure.	Correspondence	BS
11:30 PM	JR called Tony Jacobs (SRC) and left message advising of situation.	Correspondence	BS
11:35 PM	RA called Ron Hemley (DTMR) and left message regarding current road closure situation.	Correspondence	BS
11:35 PM	JR called Andy Bickerton (SRC) and left message for call to be returned re Fernvale Bridge situation.	Correspondence	BS
11:38 PM	JR called Robert Bain (CEO SRC) and left message regarding Fernvale Bridge situation and requested call be returned ASAP.	Correspondence	BS
11:40 PM	Andy Bickerton (SRC) called back and spoke with JR. JR confirmed the high flow levels and anticipated further level rises will impact road crossings. Fernvale Bridge was about to go out. Informed of the levels and inflows to Wivenhoe and Somerset and the expectation for more rain.	Correspondence	BS
12:00 AM	Andy Bickerton called again and spoke with JR. JR confirmed police were on site at Fernvale Bridge and were contemplating road closure signs at Fernvale. Confirmed message has been left with DTMR but call not yet returned.	Correspondence	BS
12:15 AM	Brett Myatt (Mt Crosby WTP) called to confirm Mt Crosby Weir road is closed (call taken by Bill Stephens). Confirmed that ICC has been notified and message left with DTMR.	Correspondence	BS
12:45 AM	Ken Morris (BCC) called and spoke with JR. Ken indicated that 3500 cumecs is the damaging flow level for Brisbane urban areas. The manual documents 4000 cumecs as the damaging level. JR undertook to take this into consideration when preparing the current situation report, and would not refer to damage levels.	Correspondence	BS
12:55 AM	JR called Rob Drury to discuss Ken's view on damaging flow. JR confirmed that if flows were kept below 3500 the fuse plug would be triggered. Agreed that situation reports will not allude to damage levels - the councils can make decisions on what to report in this regard.	Correspondence	BS
1:00 AM	SDWD Model Updated - SDWD-201101100100withnorain.xls	Model Run	JW
1:00 AM	RA called Ray Ballinger (Somerset Dam) regarding purported dam stability issues (via Tony Trace - two reports received). Ray confirmed that inspection had revealed no issues.	Correspondence	BS

Monday, 10 January 2011

1:14 AM	FOC Situation Report at 01:00 hrs on Monday 10 January 2011 Rainfall - Very heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up 100 to 240mm. - Totals for the last 24 hours range from 100 to 300mm. - Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south. - A severe weather warning remains current for heavy rainfall in the dam catchment areas. North Pine Dam (Full Supply Level 39.60 m AHD) - The dam level was 39.95 m and steady. Five gates are open releasing 445 m³/s. The inflow into the dam since the commencement of the event is 42,000 ML. Estimated event volume is 57,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011. Somerset Dam (Full Supply Level 99.00 m AHD) - The dam level is 102.22 m AHD and rising quickly (storing 157,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m³/s based on observed rainfall and could be as high as 5,000m³/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m³/s (95,000ML/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 on Monday afternoon. - Since the commencement of the event on 02/01/2011 approximately 115,000ML has been released from the dam into Wivenhoe, with the current release rate from Wivenhoe Dam is 1,400m³/s (120,000ML/day). Gate opening will start to be increased during early morning.	Situation Report	JR
	Wivenhoe Dam (Full Supply Level 67.00 m AHD) - River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 7,350m³/s and the river has just peaked at 23:00 on Sunday 9 January. - The dam level is rising quickly, with the current level being 69.60m AHD (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 8,800m³/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe during Monday morning. - The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m³/s and the combined flows in the lower Brisbane will be limited to 4,000m³/s if possible. - Fernvale Bridge approaches and Mt Crosby Weir Bridge have been inundated and both bridges are now closed or are in the process of being closed. - The current release rate from Wivenhoe Dam is 1,400m³/s (120,000ML/day). Gate opening will start to be increased during early morning.	Situation Report	
2:00 AM	Issued Wivenhoe Directive #9. • Open Gate 1 from 2.0 metres To 2.5 metres At 02:00 • Open Gate 5 from 2.0 metres To 2.5 metres At 03:00 • Open Gate 2 from 2.5 metres To 3.0 metres At 04:00 • Open Gate 4 from 2.5 metres To 3.0 metres At 05:00 • Open Gate 2 from 3.0 metres To 3.5 metres At 06:00	Directive	BS
3:00 AM	SDWD Model Updated - SDWD-201101100300withnorain.xls	Model Run	JW
3:00 AM	NPD model updated - NPD-201101100300.xls	Model Run	JW
4:10 AM	JR discussed Wivenhoe status and release strategy with Doug Grigg.	Correspondence	BS
5:00 AM	SDWD Model Updated - SDWD-201101100500withnorain.xls	Model Run	JW
5:00 AM	Graham Francis called and discussed Somerset situation with RA.	Correspondence	BS
5:00 AM	NPD model updated - NPD-201101100500.xls	Model Run	JW
5:05 AM	Rob Drury called and received situation update from JR.	Correspondence	BS
5:20 AM	RA called BoM regarding next forecast update - due at 9:00 am.	Correspondence	BS
6:00 AM	Send out situation report for this morning.	Correspondence	LVB

6:30 AM	FOC Situation Report at 06:00 on Monday 10 January 2011 Rainfall - Moderate to heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up to 90 mm. Totals for the last 24 hours range from 100 to 325mm. - Mt Glorious recorded 100 mm in the last 12 hours. - Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south. - A severe weather warning remains current for heavy rainfall in the dam catchment areas. North Pine Dam (Full Supply Level 39.60 m AHD) - The dam level was 39.97 m and steady. Five gates are open releasing 475 m³/s. The inflow into the dam since the commencement of the event is 52,000 ML. Estimated event volume is 72,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011. Somerset Dam (Full Supply Level 99.00 m AHD) - The dam level at 05:00 was 102.84 m AHD and rising (storing 193,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m³/s based on observed rainfall and could be as high as 5,000m³/s with additional forecast rainfall. Five sluice gates are open. - Since the commencement of the event on 02/01/2011 approximately 142,000ML has been released from the dam into Wivenhoe, W.	Situation Report	JR
	Wivenhoe Dam (Full Supply Level 67.00 m AHD) - River levels upstream of the dam have peaked and are falling slowly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have peaked at 7,350m³/s at 23:00 on Sunday 9 January. This peak is bigger than January 1974 and February 1999 at this location. - The dam level is rising quickly, with the current level being 70.77m AHD (storing 450,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R is around 8,800m³/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it was necessary to start to increase the release from Wivenhoe during Monday morning. - The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m³/s and the combined flows in the lower Brisbane will be limited to 4,000m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000 m³/s.	Situation Report	
6:30 AM	Issued Wivenhoe Directive #9. • Open Gate 4 from 3.0 metres To 3.5 metres At 07:00 • Open Gate 1 from 2.5 metres To 3.0 metres At 08:00 • Open Gate 5 from 2.5 metres To 3.0 metres At 09:00 • Open Gate 2 from 3.5 metres To 4.0 metres At 10:00 • Open Gate 4 from 3.5 metres To 4.0 metres At 11:00	Directive	LVB
7:40 AM	Talked to BoM - we are in general agreement about current flows in the Brisbane River.	Correspondence	LVB
8:30 AM	FOC left a message for Ken Morris (BCC) to call back.	Correspondence	LVB
8:30 AM	Issued Wivenhoe Directive #10. • Open Gate 4 from 3.0 metres To 3.5 metres at 07:00 • Open Gate 1 from 2.5 metres To 3.0 metres at 08:00 • Open Gate 5 from 2.5 metres To 3.0 metres at 09:00	Directive	LVB

8:38 AM	Talked to Peter Baddley BOM) to discuss our planned strategy i.e to maintain gate openings for the next 24 hrs. This increases flood storage by 75 000ML which is equivalent to 0.2m rise and limits flows in the Brisbane to 3 000 m3/s this provides a buffer for potential runoff for the next 24 hrs.	Correspondence	LVB
9:38 AM	Conference call with Ken Morris (BCC) - informed them that release from Wivenhoe will be maintained at 2000m3/s for the next 24 hrs. This will be revised in 24 hrs. The strategy is to limit the flows to 3000 - 3500m3/s. At 3500m3/s about 322 (the whole property) will be submerged and about 7000 properties will be affected somehow damage bill \$7mil). If the rainfall in the Bremer and Lockyer increases substantially - it is likely the flows from these catchments can peak at 1000m3/s (on top of Wivenhoe release)	Correspondence	LVB
10:08 AM	Received QPF - 100mm in Brisbane and 150mm North Pine catchment	Other	LVB
10:15 AM	Received phone call from Mike Shetland (EMQ) and Supt Allstair Dawson - Disaster Coordinator for this District - gave them the same information as what we gave Ken Morris before.	Correspondence	LVB
10:46 AM	Called Jimmy Stewart (BoM) to inform that TM can do the model and with 600m3/s in the Bremer the flows in Brisbane will go up to 3600m3/s. BoM will discuss with BCC.	Correspondence	LVB
11:14 AM	Tony Trace (ICC) called to clarify our strategy. Gave him the same info as above.	Correspondence	LVB
12:00 PM	Send out second situation report for today	Situation Report	LVB
1:00 PM	SDWD Model Updated - SDWD-201101101300withnorain.xls	Model Run	JW
2:58 PM	FOC Situation Report at 12:00 on Monday 10 January 2011	Situation Report	TM
	<u>Rainfall</u> Significant rainfall has fallen in the Wivenhoe Dam catchment over the last 3 hours, with falls exceeding 100mm. This rainfall will significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (75mm to 150mm); Wivenhoe/Somerset Dam Catchments (50mm - 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar. Somerset Dam (Full Supply Level 99.00 m AHD) The dam level is 103.41m AHD and rising. Peak inflow to the dam is estimated to be about 4,200 m3/s. Five sluice gates are open releasing about 1,100m3/s (95,000ML/day) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5m AHD on Monday afternoon. Areas around Kilooy will continue to be adversely affected. Wivenhoe Dam (Full Supply Level 67.00 m AHD) - The dam level is 72.41m AHD and rising quickly. The rainfall experienced over the last 2 to 3 hours will result in significant further - Five radial gates are currently open at the dam releasing about 2,000m3/s into the Brisbane River and this will need to be increased - The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep <u>Impacts downstream of Wivenhoe Dam</u> - The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream - Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and <u>Outlook</u> Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The		
12:02 PM	Spoke with Peter Borrows (Seqwater) to answer elaborate on Situation Report and inform him of large rainfalls currently occurring in the Wivenhoe catchment.	Correspondence	LVB
12:33 PM	Called BCC twice. No answer, so left messages.	Correspondence	LVB
12:36 PM	Talked to Tony Trace (ICC) informed him that we are moving strategy from urban damage control to dam safety priority	Correspondence	LVB
12:41 PM	NPD operator called to inform FOC the level is dropping. Instructed them not to close gates - heavy rain fell in catchment.	Correspondence	LVB

2:00 PM	Send out third situation report for today.		Correspondence	LVB
2:30 PM	Called BCC 3 times before getting through to Flood Information Centre (FIC). Discussed latest strategy with them i.e. changing from "Flood Mitigation" to "Dam Safety". We will start opening Wivenhoe gates from 15:00.		Correspondence	LVB
3:00 PM	Called Disaster Coordinator, Ian Stewart @ [REDACTED] No answer.		Correspondence	LVB
4:00 PM	NPD model updated - NPD-201101101600.xls		Model Run	JW
4:00 PM	Issued Wivenhoe Directive #11. • Open Gate 2 to 4.0 m at 15:00 • Open Gate 4 to 4.0 m at 15:30 • Open Gate 3 to 5.0 m at 16:00 • Open Gate 1 to 3.5 m at 16:30 • Open Gate 5 to 3.5 m at 17:00 • Open Gate 2 to 4.5 m at 17:30 • Open Gate 4 to 4.5 m at 18:00 • Open Gate 1 to 4.0 m at 18:30 • Open Gate 5 to 4.0 m at 19:00 • Open Gate 1 to 4.5 m at 19:30		Directive	LVB
3:15 PM	Had conference call with BoM. They agree with FCC on model discharge results. However, BoM included 6hrs of additional rain which takes the discharge to 4600m3/s		Correspondence	LVB
4:09 PM	Issued North Pine Directive #10. • Gate E : Close to Increment 4. • Gate C : Close to Increment 4.		Directive	LVB
4:09 PM	TM spoke to a police officer about Crestbrook Dam - advising that FOC does not manage Crestbrook but gave him a contact at Toowoomba RC		Correspondence	LVB
5:00 PM	Issued North Pine Directive #11. • Gate B : Close to Increment 3. • Gate D : Close to Increment 3. • Gate A : Close to Increment 3. • Gate E : Close to Increment 3.		Directive	LVB
5:00 PM	SDWD Model Updated - SDWD-201101101700withnorain.xls, SDWD-201101101700with50mmrain.xls		Model Run	JW
5:09 PM	Agg (Somerset Dam) phoned and reported water from Wivenhoe in getting into the hydro		Correspondence	LVB
	FOC Situation Report at 18:00 on Monday 10 January 2011 Rainfall - Only minor rainfall has been experienced in the North Pine Dam and Somerset Dam catchments with a catchment averages of less than 20mm. - However, significant rain has fallen in the Wivenhoe Dam catchment over the last 6 hours, with isolated falls exceeding 100mm. This rainfall has significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar. North Pine Dam (Full Supply Level 39.60 m AHD) - The dam level is 39.84m AHD and falling slowly (storing 9,000ML above FSL). Five gates are open and releasing 362 m3/s. The inflow into the dam since the commencement of the event is 72,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.		Situation Report	TM
6:06 PM	Get weather update from BoM - the forecast now is - still more of the same of what we had today.		Other	LVB

6:43 PM	FOC Situation Report at 18:00 on Monday 10 January 2011 Rainfall - Only minor rainfall has been experienced in the North Pine Dam and Somerset Dam catchments with a catchment averages of less than 20mm. - However, significant rain has fallen in the Wivenhoe Dam catchment over the last 6 hours, with isolated falls exceeding 100mm. This rainfall has significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar. North Pine Dam (Full Supply Level 39.60 m AHD) - The dam level is 39.84m AHD and falling slowly (storing 9,000ML above FSL). Five gates are open and releasing 362 m3/s. The inflow into the dam since the commencement of the event is 72,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011. Wivenhoe Dam (Full Supply Level 67.00 m AHD) - The dam level is 72.92m AHD and rising quickly. Releases from the dam have been increased over the last 3 hours in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m3/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. The flash flooding experienced in the upper areas of Lockyer Creek have been examined and are not expected to significantly increase Brisbane River flows above the current projection of 4000m3/s at Moggill. - Five radial gates are currently open at the dam releasing about 2,400m3/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m3/s. At this stage, the dam will reach about 73.8m AHD during Tuesday morning. - The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m3/s if possible. This is significantly less than the current estimated combined projected flows. Impacts downstream of Wivenhoe Dam The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream - Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and rain. Outlook Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The	Situation Report	TM:
6:45 PM	Brett Schultz (North Pine Dam) raised concerns with school groups using Lake Kurwongbah for rowing exercise while water is running over the spillway at 500mm. He was referred to Rangers.	Correspondence	LVB
7:20 PM	Issued North Pine Directive #12. • Gate C : Close to Increment 3. • Gate B : Close to Increment 2. • Gate D : Close to Increment 2. • Gate A : Close to Increment 2. • Gate E : Close to Increment 2. • Gate C : Close to Increment 2.	Directive	JW
7:30 PM	Agg Dagan (Somerset) called to inform that Somerset hydro is inundated with water. Agg believes he has located source of leak, has tightened seals to prevent further leakage. Agg also noted that there is oil in the water.	Correspondence	JW

8:00 PM	SDWD Model Updated - SDWD-201101102000withnorain.xls, SDWD-201101102000-Lockyer.xls, SDWD-201101102000-Tminflows.xls	Model Run	JW
20:00 PM	Peter Baddiley (BoM) called to advise of situation regarding flows in Lockyer. Estimated very heavy localised rainfall (eg. 500mm in few hours) on Toowoomba escarpment to cause observed flood flooding. Will monitor via Glenore Grove gauging station.	Correspondence	JW
20:45 PM	Brett Myatt (Seqwater Mt Crosby WTP) called to get situation update. Advised that at 20m there will be issues at Mt Crosby WTP. FOC to advise Brett if likely to reach that level.	Correspondence	JW
21:00 PM	Spoke to Peter Allan regarding strategies for reducing Wivenhoe release to mitigate latest event in Lockyer. Peter endorsed variation to manual to operate at minimum gate settings to create gap to allow peak of flash flood to pass. Also endorsed concept allowing Wivenhoe HW to rise above 74 mAHD briefly.	Correspondence	JW
21:30 PM	Provided Boyd Wilson (ICC) with situation update.	Correspondence	JW
21:30 PM	Issued North Pine Directive #13. • Gate B : Close to Increment 1. • Gate D : Close to Increment 1.	Directive	JW
21:45 PM	Issued North Pine Directive #14. • Gate A : Close to Increment 1 when level reaches 39.775 m • Gate E : Close to Increment 1 when level reaches 39.760 m	Directive	JW
20:20 PM 11:20 PM	Spoke to Peter Baddiley (BoM) regarding reducing Wivenhoe release to accommodate peak of Lockyer flash flood. Spoke to Rob Drury to give situation update. Rob agreed that if possible to reduce flow from Wivenhoe to accommodate Lockyer flash flood peak.	Correspondence Correspondence	JW JW
11:56 PM	FOC Situation Report at 00:00 Tuesday 11 January 2011 Rainfall - Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments with falls of generally less than 20mm since 18:00 today. However, some isolated falls in the Upper Brisbane River of up to 110 mm have been recorded at Monsildale in this time. This rainfall will increase inflows into the dam. - A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). North Pine Dam (Full Supply Level 39.60 m AHD) The dam level is 39.80m AHD and falling slowly (storing 4,400ML above FSL). Five gates are open, releasing 153 m3/s. The inflow into the dam since the commencement of the event is 74,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011. Somerset Dam (Full Supply Level 99.00 m AHD) The dam level is 103.40m AHD and falling slowly. Peak inflow to the dam is estimated to be about 4,200 m3/s. Total discharge into	Situation Report	RA

		Wivenhoe Dam (Full Supply Level 67.00 m AHD)	Situation Report	
		- The dam level is 73.22m AHD and rising at about 50 mm/hour. Releases from the dam have been held at a rate of 2,750 m³/s since 19:30 hours. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. - The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall stations but it is considered to be very significant. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow may result in increases in Brisbane River levels below the junction of Lockyer Creek. - Five radial gates are currently open at the dam releasing about 2,750m³/s into the Brisbane River. At this stage, the dam will reach about 73.8m AHD during Tuesday afternoon. - The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m³/s if possible. This is significantly less than the current estimated combined peak flows. <u>Impacts downstream of Wivenhoe Dam</u> - The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream - Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and rain. - The BoM will provide further information regarding the magnitude of the flash flood event occurring in Lockyer Creek early Tuesday <u>Outlook</u> Heavy rainfall continues throughout South East Queensland and the situation could deteriorate over the next 24 hours. The flood of		
Tuesday, 11 January 2011	12:00 AM	SDWD Model Updated - SDWD-201101110000withnorain.xls	Model Run	JW
	12:00 AM	INPD model updated - NPD-201101110000.xls	Model Run	JW
	12:15 AM	Spoke to Ken Morris (BCC) to update on current release strategy.	Correspondence	JW
	1:30 AM	Spoke to Tony Trace (SRC). Somerset Regional Council offices were flooded and email addresses are no longer working. Tony can be emailed on tonelee@internode.on.net	Correspondence	JW
	2:15 AM	James Charalambous (BCC) called to confirm forecast peak height of 3.1m at Brisbane city gauge for Wednesday high tide. This is based on 4600 cumecs modelled by BoM. Provided James with update on current release strategy.	Correspondence	JW
	3:00 AM	SDWD Model Updated - SDWD-201101110300withnorain.xls	Model Run	JW
	3:15 AM	James Charalambous (BCC) has provided inundation forecast for Brisbane city to assist with devising strategy to manage Wivenhoe releases	Correspondence	JW
	4:30 AM	Issued Somerset Directive #6. • Please close Sluice J at 05:00 • Please close Sluice N at 06:00 • Please close Sluice K at 07:00	Directive	JW
	5:00 AM	Issued North Pine Directive #15. • Gate A : Open to Increment 2 at 6:00 am	Directive	JW
	5:15 AM	Spoke to Peter Baddiley (BoM) regarding reducing Wivenhoe release to accommodate peak of Lockyer flash flood. Update: Consensus was that reducing release from Wivenhoe would no longer be feasible due to attenuation of Lockyer peak and significant additional rainfall in upper Brisbane during the night.	Correspondence	JW
	5:45 AM	Issued North Pine Directive #15a. • Gate D: Open to Increment 2 at 6:00 am	Directive	JW

6:00 AM	Issued North Pine Directive #16. • Gate B: Open to Increment 2 when level reaches 39.820 • Gate C: Open to Increment 3 when level reaches 39.835 • Gate E: Open to Increment 3 when level reaches 39.850 • Gate A: Open to Increment 3 when level reaches 39.865 • Gate D: Open to Increment 3 when level reaches 39.880	Directive	JW
6:12 AM	FOC Situation Report at 06:00 on Tuesday 11 January 2011 Rainfall - Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments. Isolated falls in the Upper Brisbane River of up to 125 mm have been recorded with widespread falls of 40 to 70 mm in the Somerset Dam catchment. This rainfall will increase inflows into the dam. - There has also been 20 to 60 mm in the Lockyer Creek catchment in the last 12 hours with falls of up to 30 mm in the Bremer River. - A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). North Pine Dam (Full Supply Level 39.60 m AHD) The dam level is 39.80m AHD and has commenced rising again (storing 4,400ML above FSL). Five gates are open releasing 177 m3/s. The inflow into the dam since the commencement of the event is 77,000 ML. Estimated event volume is 88,000 ML assuming Wivenhoe Dam (Full Supply Level 67.00 m AHD). - The dam level is 73.51m AHD and rising at about 25 mm/hour. Releases from the dam have been held at a rate of 2,750 m3/s since 19:30 hours on Monday 10 January 2011. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. - The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall stations but it is considered to be extreme. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow will result in increases in Brisbane River levels below the junction of Lockyer Creek. - Five radial gates are currently open at the dam releasing about 2,750m3/s into the Brisbane River. At this stage, the dam will reach just over 74.0m AHD during Tuesday evening. - Above EL 74.0m AHD the objective for dam operations is to maintain the security of the dam and minimise downstream flood flows	Situation Report	
7:00 AM	SDWD Model Updated - SDWD-201101110700withnorain.xls	Model Run	JW
7:00 AM	NPD model updated - NPD-201101110700.xls	Model Run	JW
7:15 AM	Issued North Pine Directive #17. • Gate B: Open to Increment 3 when level reaches 39.895 • Gate C: Open to Increment 4 when level reaches 39.910 • Gate E: Open to Increment 4 when level reaches 39.925 • Gate A: Open to Increment 4 when level reaches 39.940 • Gate D: Open to Increment 4 when level reaches 39.955 • Gate B: Open to Increment 4 when level reaches 39.970	Directive	JW
7:20 AM	TM called Peter Borrowers to appraise of latest situation of Wivenhoe and lower Brisbane	Correspondence	DP
7:22 AM	TM called BoM to appraise of situation. BoM unable to talk and will call back.	Correspondence	DP
7:35 AM	Peter Baddiley of BoM called back. Full appraisal of SEQWater strategy. Both SEQWater and BoM models results were discussed in detail, and generally agreed with each other.	Correspondence	DP
7:51 AM	Called Matthew O'Reilly (Wivenhoe Dam) advised that gates opening at Wivenhoe are imminent.	Correspondence	DP
7:56 AM	TM called BoM. Advised Jimmy Stewart and Peter Baddiley that Wivenhoe will ramp up to a minimum release of 3700m3/s.	Correspondence	DP
7:59 AM	JT called Peter Borrowers (Seqwater) and advised that releases from Wivenhoe will reach 3700m3/s at a minimum, and BoM has been informed. Likely to affect Moggill 24 hours later. Phone call terminated due to bad connection.	Correspondence	DP

8:00 AM	Issued Wivenhoe Directive #12. • Open Gate 5 to 4.5 m at 08:00 • Open Gates 2 and 4 to 5.0 m at 08:30 • Open Gate 3 to 5.5 m at 09:00		DP
8:01 AM	Peter Borrow returned call. JT advised that model to be run for BoM first and results to be past to BoM and BCC immediately. Rain likely to continue today	Correspondence	DP
8:05 AM	Brett from NPD informed that levels are still rising and another directive is required. JT advised to proceed as per operations manual.	Correspondence	DP
8:09 AM	Advised Matthew (Wivenhoe Dam) that Wivenhoe Directive was coming through in a matter of minutes.	Correspondence	DP
8:10 AM	JT called Peter Allen to advise of current Wivenhoe situation - Will exceed EL74m. Ramping up gate opening to a minimum of 3700 and gate operations will progress.	Correspondence	DP
8:11 AM	TM called BCC flood information centre (Duty Officer - James). Wivenhoe releases will reach 3700m3/s at a minimum and higher flows are possible.	Correspondence	DP
8:15 AM	NPD Directive # 18 An interval of 15 minutes is to be used between gate movements. Gate C: Open to increment 5 when level reaches 39.985 Gate E: Open to increment 5 when level reaches 40.000 Gate A: Open to increment 5 when level reaches 40.015 Gate D: Open to increment 5 when level reaches 40.030 Gate B: Open to increment 5 when level reaches 40.045 Please also confirm by fax once these gate operations are complete.	Directive	DP
8:15 AM	JT called Rob Drury to advise of the situation that Wivenhoe will increase to 3700m3/s as a minimum.	Correspondence	DP
8:16 AM	TM called SRC and left a message.	Correspondence	DP
8:20 AM	JT Called Matthew (Wivenhoe Dam) and advised more gate opening directives are coming.	Correspondence	DP
8:21 AM	TM called Tony Trace (ICC) to advise of situation and that Wivenhoe releases to be at a minimum of 3700m3/s	Correspondence	DP
8:25 AM	JT called Brett Schultz (North Pine Dam). Verbal directive to open gates, faxed directive to follow before 9am.	Correspondence	DP
8:50 AM	Peter Borrows (SEQwater) called TM mobile requesting 'worst case' scenario	Correspondence	DP
8:50 AM	Doug from Wivenhoe called informing that Wivenhoe has lost power, high voltage fuse blown. Hydro outlet is shut off.	Correspondence	DP
9:00 AM	Issued Wivenhoe Directive #13. • Open Gates 2 and 4 to 5.5 m at 09:30 • Open Gates 1 and 5 to 5.5 m at 10:00 • Open Gate 3 to 6.0 m at 10:30 • Open Gates 2 and 4 to 6.0 m at 11:00 • Open Gates 1 and 5 to 6.0 m at 11:30	Directive	DP
9:09 AM	JT called SEQWater maintenance (Jo Misner) advised that Wivenhoe has lost power, possibly blown high voltage fuses. JO to resolve issue.	Correspondence	DP
9:12 AM	Brett called. NPD at 40.140 m HAD all gates at 6, currently heading to setting 7.	Correspondence	DP
9:13 AM	Energex called. All incoming power has been lost at Wivenhoe.	Correspondence	DP
9:16 AM	JT called Tony Martini and left message: very large inflows into North Pine Dam has resulted in steep gate openings. Flood downstream can be expected.	Correspondence	DP
9:17 AM	JT called Ed Hamold and informed that very large inflows into North Pine Dam has resulted in steep gate openings. Flood downstream can be expected. Strathpine Rd (Old Gynple Rd) to be flooded within next hour.	Correspondence	DP
9:21 AM	Agg from Somerset called TM. Water ingress through doors at the bottom of dam	Correspondence	DP
9:22 AM	JT advised Brett (NPD) that Strathpine Rd is expected to be closed.	Correspondence	DP
9:26 AM	JT advised Brett verbally that all gates can go to 9 increments based on water level as per manual.	Correspondence	DP
9:40 AM	TM called MT and requested a technically knowledgeable person be dispatched to test HF radio links and satellite phone are in working condition	Correspondence	DP
9:51 AM	Voicemail : Jo Misner left message. He's contacted Energex and Energex suspect a dirty feed. Currently all helicopters are grounded. Garry Ludlow is lead at Mt Crosby. Energex will get as close as they can and get helicopter lift when possible.	Correspondence	DP
10:00 AM	NPD model updated - NPD-201101111000.xls	Model Run	JW

10:25 AM	Brett (North Pine Dam) called to report Lake level at EL 40.490m AHD. All gates currently at setting No. 10.	Correspondence	DP
10:29 AM	Stan from SEQWater called TM. In conference with Barton Marr. Internal questioning of release strategy. Internal discussion regarding current approved strategy.	Correspondence	DP
10:45 AM	JT advised MBC (Ed Hamold) of current situation.	Correspondence	DP
10:54 AM	Rob Drury called. Bad line and disconnected.	Correspondence	DP
11:00 AM	SDWD Model Updated - SDWD-20110111100withnoirain.xls	Model Run	JW
11:01 AM	Message received by JT. Kilcoy police rang Somerset, JT advised general status information to be provided by dam operators, predictions to go through FOC.	Correspondence	DP
11:02 AM	Peter Burrows (Seqwater) requested update on situation.	Correspondence	DP
11:04 AM	JT called Doug (operator). Discussed that if forecast rain falls, fuse plug likely to go.	Correspondence	DP
11:06 AM	FAX not working at Wivenhoe!	Other	DP
11:07 AM	Jimmy Stewart (BoM) called. Inflow into NPD of 1500cumecs. Advised Wivenhoe strategy to be revised.	Correspondence	DP
11:17 AM	Barton called TM - on the way to talk to Grid Manager. TM advised current strategy is 3 hourly.	Correspondence	DP
11:19 AM	JT called Ed Haold. Advised North Pine still rising. Current releases to exceed 2000cumecs.	Correspondence	DP
11:30 AM	Brett (North Pine Dam) called to report lake level EL 40.740 m AHD. Water level rising slowly. All gates now at setting 14.	Correspondence	DP
11:38 AM	TM called BoM. Unable to contact Peter Baddiley. Will call back.	Correspondence	DP
11:38 AM	JT called Peter Burrows and advised that releases at Wivenhoe will be ramped up to 4000cumecs and strategy will be revised on an hourly basis. In reality releasing slightly less than the Flood Ops manual.	Correspondence	DP
11:51 AM	Incoming Phone call from Rob Ayre. Advised SS that Wivenhoe will ramp up to 4000cumecs. Also advised that staff likely to stay in offices overnight.	Correspondence	JP
11:56 AM	JT called Ed Hammon and left message again. Outflow will exceed 2000cumecs	Correspondence	DP
11:57 AM	JT called Elnor Davidson. Left message: North Pine Dam outflow likely to exceed 2000cumecs.	Correspondence	DP
11:59 AM	JT called Tony Martini. Left message, outflow from North Pine Dam will exceed 2000cumecs.	Correspondence	DP
12:00 PM	Issued Wivenhoe Directive #14. • Open Gates 2, 3 and 4 to 6.5 m at 12:00 • Open Gates 1 and 5 to 6.5 m at 12:30 • Open Gate 3 to 7.0 m at 13:00	Directive	JP
12:04 PM	Brett (North Pine Dam) called to report lake level at EL 40.683 m AHD. Gates are currently set at setting 16.	Correspondence	DP
12:10 PM	Kim Hang called from FOC satellite phone. Made contact with Somerset and North Pine. Connection issues with Landline to Wivenhoe.	Correspondence	DP
12:11 PM	SitRep 1200 11/1/2011 Somerset/Wivenhoe - Our current strategy revolves around trying to prevent initiation of the first fuse plug at EL 75.6m. If this happens we will get a rapid increase of about 2,000m3/s in outflow from the dam in addition to the gate release which could be as high as 4,500 to 5,000m3/s at the time. However, it may be that fuse plug initiation might provide a lower outflow than increasing the gate outflow to protect it. In this case, we would adopt an alternate scenario. - Sluices have been closed at Somerset and this will result in high upstream water levels affecting Kilcoy. - With no further rainfall, Wivenhoe will approach 75.0m AHD and there will be an attempt to limit the dam outflow to 4,500m3/s, however this strategy currently being reviewed on an hour by hour basis. The release will be 4,000m3/s by 1300. - With 50mm rainfall in the Stanley and Upper Brisbane in the next 12 to 24 hours, the release will need to be significantly increased to be in the order 6,000m3/s. - It should be noted that the flow in the lower Brisbane River in 1974 was about 9,500m3/s - Wivenhoe has lost incoming mains power and are on backup power. Energex are attempting to rectify.	Situation Report	
12:17 PM	Tony Martini called. TM advised discharge in excess of 1989 flood (1500cumecs). Current releases in excess of 2000cumecs.	Correspondence	DP
12:30 PM	Brett (North Pine Dam) called to report lake level is now at EL 40.950m AHD and rising. Gate settings at 17.	Correspondence	DP
12:42 PM	Mike Morrison from Redlands shire requesting information for Lesley Harrison. Was told to call Craig Duncan	Correspondence	DP
12:42 PM	Call from Glen Patterson. Asked what is required of the Northern dams. Was advised to monitor dams more closely when/if 1 in 50 year event occurs.	Correspondence	DP

1:00 PM	Issued Wivenhoe Directive #15. • Open Gates 1, 2, 4 and 5 to 7.0 m at 13:15	Directive	DP
1:00 PM	Issued Wivenhoe Directive #16. • Open Gates 1, 2, 3, 4 and 5 to 7.5 m	Directive	DP
1:02 PM	Brett Schultz (North Pine Dam) called to report Lake level EL 41.040 m AHD. Gate settings at setting 18.	Correspondence	DP
1:26 PM	Peter Burrows (Seqwater) called and requested the FOC request the BoM to consider if Wivenhoe is releasing 9000cumecs.	Correspondence	DP
1:44 PM	Jeff (North Pine Dam) called on Satellite phone to confirm it is operational.	Correspondence	DP
1:50 PM	Brett Schultz (North Pine Dam) called to report lake level at EL 41.105m AHD. Gates currently at setting 19.	Correspondence	DP
1:55 PM	SEQwater is continually revising release strategy, could be as high as 6500cumecs by tonight. If dam stabilise, then estimates may be reduce. TM also passed on information for BoM to consider the effects at Brisbane if Wivenhoe releases 9000cumecs.	Situation Report	DP
1:56 PM	Rob Drury requesting status update.	Correspondence	DP
2:00 PM	SDWD Model Updated - SDWD-201101111400withnorain.xls	Model Run	JW
2:00 PM	Issued Wivenhoe Directive #17. • Open Gates 1, 2, 3, 4 and 5 to 8.0 m	Directive	DP
2:15 PM	Issued Wivenhoe Directive #18. • Open Gates 1, 2, 3, 4 and 5 to 8.5 m	Directive	DP
2:24 PM	Cheryl Wivenhoe SEQwater called to pass on message. Phil Wilson (Old fire rescue) called to enquire about Wivenhoe Releases (0457 821 919). Unable to call at this stage.	Correspondence	DP
2:37 PM	Peter Burrows (SEQwater) called to discuss current situation.	Correspondence	DP
2:46 PM	Brett Schultz (North Pine Dam) called to report lake level steady at 41.110 for last 30 minutes.	Correspondence	DP
2:53 PM	North Pine Dam is isolated as per conversation with Brett.	Correspondence	DP
3:00 PM	NPD model updated - NPD-201101111500.xls	Model Run	JW
3:06 PM	Stan Stevenson (SEQwater) called to enquire about the current release rate from Wivenhoe Dam.	Correspondence	DP
3:14 PM	Peter Burrows (Seqwater) called to discuss the proposed release of 10,000cumecs. JT and TM explained release strategy is constantly being revised.	Correspondence	DP
3:15 PM	Issued Wivenhoe Directive #19. • Open Gates 1, 2, 3, 4 and 5 to 9.0 m	Directive	DP
3:30 PM	Issued Wivenhoe Directive #20. • Open Gates 1, 2, 3, 4 and 5 to 9.5 m	Directive	DP
3:49 PM	Peter Baddiley & Jimmy Stewart had a conference with JT, JR, TM and RA about current release strategy and possible maximum release scenario of 10000m ³ /s. This would be of a similar magnitude to the 1893 event (~8.36m in Brisbane Port Office)	Correspondence	DP
3:54 PM	Stan Stevenson (Seqwater) called and talked to JT regarding current inflow strategy.	Correspondence	DP
3:58 PM	Called Brett Schultz (Wivenhoe Dam) to check if all is ok, levels are slowly reducing.	Correspondence	DP
4:15 PM	Issued Wivenhoe Directive #21. • Open Gates 1, 2, 3, 4 and 5 to 10.0 m	Directive	DP
4:29 PM	Lowood police rang to request water level of Wivenhoe and discuss the current release strategy with respect to the fuse plug (conversed with John West).	Correspondence	DP
4:33 PM	Phone call with TM and Peter Burrows. Discussed that even though the magnitude flood in Brisbane is similar to 1974 flood event, the no-dam flood would be significantly larger without Wivenhoe.	Correspondence	DP
4:41 PM	Peter Allen phone call. PA requested more technical information in the status reports released by Duty Engineers. PA will send through an example of the technical data requested in the report.	Correspondence	DP
4:45 PM	Issued Wivenhoe Directive #22. • Open Gates 1, 2, 3, 4 and 5 to 10.5 m	Directive	DP
4:46 PM	Dave Roberts called to request update in inflow/outflow of Wivenhoe Dam.	Correspondence	DP
5:00 PM	SDWD Model Updated - SDWD-201101111700withnorain.xls	Model Run	JW
5:12 PM	JT called Brett Schultz (North Pine Dam) regarding gate operating strategy. JT advised to keep gates at current setting until water is clear of the controls. Gate closing strategy then to follow Flood Manual.	Correspondence	DP

5:15 PM	Issued Wivenhoe Directive #23. • Open Gates 1, 2, 3, 4 and 5 to 11.0 m	Directive	DP
5:22 PM	Jimmy Stewart (BoM), TM and JR discussed current Wivenhoe inflows and anticipated outflows. TM confirmed that 7500cumecs is still likely early tonight.	Correspondence	DP
5:27 PM	Brett Schultz (North Pine Dam) called to report of NPD level EL 40.7 m AHD. JT verbally advised 10 minute gate closure intervals is ok until 39.9 m AHD - then back to 15 min intervals.	Correspondence	DP
5:48 PM	Rob Drury asking Tarong Energy to hold off releasing water from Spillway Creek.	Correspondence	DP
6:00 PM	NPD model updated - NPD-201101111800.xls, NPD-201101111800 Final.xls	Model Run	JW
6:00 PM	SDWD Model Updated - SDWD-201101111800withnorain.xls	Model Run	JW
6:00 PM	Issued Wivenhoe Directive #24. • Open Gates 1, 2, 3, 4 and 5 to 12.0 m	Directive	DP
6:00 PM	Situation Report 1800 11 January 2011 - In the last twelve hours totals of up to 370mm have fallen in the area around Wivenhoe Dam. In the last hour, rainfalls between 15 and 30mm have been recorded in the same area. At 1600, the BoM advised that falls between 50 to 100mm are still forecast for the 24hrs to 1600 Wednesday 12 January 2011 for the North Pine and Somerset/Wivenhoe catchments. - At 1730 Wivenhoe Dam was 74.92m AHD and rising slowly and releasing about 6,700m3/s. - The current expectation is that the dam will reach a steady state (outflow equals inflow) within the next 3 hours without further significant rainfall. At this time, release from the dam will be about 8,000 m3/s. - If there is no further rainfall, it may be possible to then slowly reduce this release overnight. - The dam is expected to peak below 75.5m AHD which is 100mm below the first fuse plug initiation level. - Note that the automatic recorder as indicated on the BoM website is affected by drawdown and is not reflecting the actual lake level.	Situation Report	TM
6:04 PM	Glen Patterson called to advise he is unable to reach Lake MacDonalid to take readings.	Correspondence	DP
6:07 PM	Recap of current release strategy amongst Duty Engineers. Current Wivenhoe scenario: 74.9 m - all gates at 12m. Won't go to 13m settings until level reaches 75.0 m AHD.	Correspondence	DP
6:35 PM	Agg (Somerset Dam) called to confirm all is good.	Correspondence	DP
6:38 PM	Bill Stevens called to inform team he is cut off due to flood waters and unable to come in.	Correspondence	DP
6:41 PM	Tarong Energy confirmed releases from Spillway creek have stopped.	Correspondence	DP
6:56 PM	Daryl Hicky informed that tailwater gauge appears to be OOA. Confirmed by TM.	Correspondence	DP
7:00 PM	Spoke to Brett Schultz who confirmed that North Pine gate settings were at 17, with level of 40.5. Closing sequence was still to close in 10 minute increments down to level 39.9, at which time increments would increase to 15 minutes.	Correspondence	JW
7:10 PM	Brett Schultz at NPD rang is concerned that the level is dropping too fast.	Correspondence	AN
7:30 PM	Issued North Pine Directive #19. • Gate B: Close to increment 11 at 19:45. • Gate D: Close to increment 11 at 20:00. • Gate A: Close to increment 11 at 20:15. • Gate E: Close to increment 11 at 20:30. • Gate C: Close to increment 11 at 20:45.	Directive	AN
7:30 PM	Doug Grigg (Wivenhoe Dam) called to report that Wivenhoe Level 74.97m AHD is holding.	Correspondence	AN
7:30 PM	Brett Schultz (North Pine Dam) rang to say he is behind in gate settings.	Correspondence	AN
7:25 PM	JR called Brett Schultz (North Pine Dam) to advise that a directive will be sent to move all gates down to 11m.	Correspondence	AN
7:45 PM	Brett Schultz (North Pine Dam) called FOC. JT clarified directive 19 to drop gates from 16 to 11 in one go, at 15 minutes intervals.	Correspondence	AN
8:00 PM	Peter Baddiley rang. Unofficially TM advised that things have stabilised. Also advised predicted peaks at various sites.	Correspondence	AN
8:25 PM	Joe Meisner rang to advise that the high voltage feeder to Wivenhoe will not be restored for the duration of this event. JT advised that Wivenhoe is operating successfully on the generator, and they have a fair bit of diesel. There are still 2 other backups to operate the gates.	Correspondence	AN
8:25 PM	Chris Hughes at Colliers Building Services rang back. Rob Ayre asked about power supply to our power requirements.	Correspondence	AN
8:30 PM	Doug Grigg (Wivenhoe Dam) called to advise that Wivenhoe's level is 5mm down.	Correspondence	AN
8:30 PM	RA called Colliers Building Services and left a message to call back (regarding loss of power to the [REDACTED])	Correspondence	AN

8:30 PM	RA rang John Thornton (SunWater) to advise that power will be shutting down in the CBD tomorrow morning.	Correspondence	AN
8:30 PM	Issued Somerset Directive #7. • Fully Open Sluice L at 10:30.	Directive	AN
8:35 PM	RA rang John Thornton to advise the power situation.	Correspondence	AN
8:35 PM	Peter Burrows (Seqwater) called FOC to speak with all duty engineers on the operating strategies for Wivenhoe releases.	Correspondence	AN
8:40 PM	MT called FOC to ensure we received the Energex message regarding power shutdown to the CBD.	Correspondence	AN
8:45 PM	Warren Shallicross rang. Rob Ayre advised that Energex will be cutting power to the CDD in the morning. Warren will call Mike Minter and the security guys for Mineral House.	Correspondence	AN
8:50 PM	Brett Schultz (North Pine Dam) called to report NPD Level at EL 40.07m AHD. Gates are all at 11 increments.	Correspondence	AN
8:55 PM	Peter Burrows (Seqwater) rang asking about possibly reducing releases. TM advised that we are seriously considering it, but this would have little effect on the levels in Brisbane River. Peter would like technical reports every hour throughout the night.	Correspondence	AN
9:00 PM	RA emailed Chris Hughes with our building power requirements.	Correspondence	AN
9:00 PM	Issued North Pine Directive #20. • Gate B: Close to increment 6 at 21:00. • Gate D: Close to increment 6 at 21:15. • Gate A: Close to increment 6 at 21:30. • Gate E: Close to increment 6 at 21:45. • Gate C: Close to increment 6 at 22:00.	Directive	AN
9:00 PM	Issued Wivenhoe Directive #25. • Close Gates 1, 2, 3, 4 and 5 to 11.0 m	Directive	AN
9:05 PM	TM rang Chris Lahey (BoM) to advise that power to the CBD may be cut and send him actual and releases report.	Correspondence	AN
9:10 PM	John Thornton called RA. John advised he spoke to Chris Hughes and is getting an Energex contact.	Correspondence	AN
9:20 PM	Warren Shallicross rang. Mike Minter told him we may not be able to have air conditioning.	Correspondence	AN
9:25 PM	RA called John Thornton. Chris Hughes got back to him and has Haywards Electrical lined up for tomorrow morning.	Correspondence	AN
9:25 PM	The last directive to lower the Wivenhoe gates to 11m should have been 11.5m. A new directive to raise to 11.5m was issued.	Directive	AN
9:30 PM	Mal Lane (North Pine Dam) called. They are still behind in gate closures.	Correspondence	AN
9:30 PM	Issued Wivenhoe Directive #26 • Close Gates 1, 2, 3, 4 and 5 to 11.5 m	Directive	AN
9:35 PM	JT rang to discuss the latest directive to raise Wivenhoe Dam. JT suggested not raising.	Correspondence	AN
9:40 PM	JW called Doug Grigg (Wivenhoe Dam) to obtain a current level. EL 74.97 Gates have been raised to 11.5m.	Correspondence	AN
10:00 PM	SDWD Model Updated - SDWD-20110112200withrain.xls	Model Run	JW
10:00 PM	John Thornton rang to advise the phone number for Steve from Energex 0418 186 814	Correspondence	AN
10:00 PM	John Thornton rang requesting RA mobile number to pass on onto Energex.	Correspondence	AN
10:15 AM	Issued North Pine Directive #21a. • Gate B: Close to increment 4 at 22:30 • Gate D: Close to increment 4 at 22:45 • Gate A: Close to increment 4 at 23:00 • Gate E: Close to increment 4 at 23:15 • Gate C: Close to increment 4 at 23:30 • Gate B: Close to increment 3 at 23:45	Directive	AN
10:30 PM	John Thornton rang to say Geoff White has pleaded our case with the CEO of Energex and it is likely 179 Turbot Street will not lose power.	Correspondence	AN
10:35 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.94m AHD @ 10:30hrs.	Correspondence	AN
11:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.92m AHD @ 11:00hrs.	Correspondence	AN
11:00 AM	Issued Wivenhoe Directive #27 - note directive #28 was a duplicate and not sent • Close Gates 5, 1, 4, 2 and 3 to 10.0 m	Directive	AN
11:10 PM	Rob Drury rang to request discharge from Wivenhoe when the gates are lowered to 10m. Advised 6100m3/sec.	Correspondence	AN

Wednesday, 12 January 2011	11:30 PM	JW called Doug Grigg (Wivenhoe Dam) to obtain a current level. EL 74.9? Gates have been raised to 11.5m.	Correspondence	AN
	12:00 AM	Issued North Pine Directive #22. • Gate D: Close to increment 3 at 00:15 • Gate A: Close to increment 3 at 00:30 • Gate E: Close to increment 3 at 00:45 • Gate C: Close to increment 3 at 01:00 • Gate B: Close to increment 2 at 01:15	Directive	AN
	12:30 AM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.88m AHD @ 12:30hrs.	Correspondence	AN
	1:00 AM	John Thornton (SunWater) called to provide Energex contact details; Steve, phone number 0418 186 814. Steve indicated that he didn't believe 179 Turbot St would be disconnected from power grid in the morning.	Correspondence	JW
	1:15 AM	RA rang Doug Grigg (Wivenhoe Dam) advising next directive. We want to get releases down as quick as possible while still lowering lake levels. Advised that we may possibly have a communications problem in the morning if power to 179 Turbot Street is cut.	Correspondence	AN
	1:15 AM	Issued Wivenhoe Directive #29. • Close Gates 5, 1, 4, 2 and 3 to 9.0 m	Directive	AN
	2:00 AM	Issued North Pine Directive #23. • Gate D: Close to increment 2 at 02:15 • Gate A: Close to increment 2 at 02:30 • Gate E: Close to increment 2 at 02:45 • Gate C: Close to increment 2 at 03:00	Directive	AN
	2:10 AM	James Charalambous (BCC) rang enquiring about a release strategy. Advised one will be issued at about 3:00am. Talked about the activities of the last 24 hours.	Correspondence	AN
	3:10 AM	JR rang Mal Lane (NPD) and advised no changes to gate settings planned for the next hour or so.	Correspondence	AN
	3:15 AM	Issued Wivenhoe Directive #30. • Close Gates 5, 1, 4, 2 and 3 to 8.0 m	Directive	AN
	3:30 AM	Brett Myatt (SEQWater Mt Crosby WTP) called enquiring about levels at Mt Crosby.	Correspondence	AN
	3:50 AM	RA called Chris Laney (BoM) advising him that because inflows are not as much as earlier anticipated, the releases from Wivenhoe are less than previously suggested.	Correspondence	AN
	4:05 AM	Ian Douglas, OIC of Lowood Police, rang enquiring about the Wivenhoe fuse plug. JW advised that there is no danger of the fuse plug failing, and that current releases from Wivenhoe Dam are about 4,900 cumecs.	Correspondence	AN
	4:15 AM	Issued North Pine Directive #24. • Gate B: Close to increment 1 at 04:30 • Gate D: Close to increment 1 at 04:45 • Gate A: Close to increment 1 at 05:00 • Gate E: Close to increment 1 at 05:15	Directive	AN
	4:30 AM	Issued Wivenhoe Directive #31. • Close Gates 5, 1, 4, 2 and 3 to 7.0 m	Directive	AN
	4:40 AM	Brett Myatt (Seqwater Mt Crosby WTP) rang to check that his emails with the Mt Crosby levels were being received. They are.	Correspondence	AN
	5:15 AM	Rob Drury rang enquiring current storage levels and releases. JR advised.	Correspondence	AN
	5:30 AM	Rob Drury rang enquiring estimated time for closing North Pine Dam. RA advised possible today, but it has not yet been decided. Also advised the inflows into North Pine Dam were equivalent to a 1:10,000 event.	Correspondence	AN
	5:30 AM	Issued Wivenhoe Directive #32. • Close Gates 5, 1, 4, 2 and 3 to 6.0 m	Directive	AN
	5:30 AM	Issued Wivenhoe Directive #33. • Close Gates 5, 1, 4, 2 and 3 to 5.0 m	Directive	AN
	5:30 AM	JR called Wivenhoe Dam for the current level. Dropped 2 cm in 30 minutes.	Correspondence	AN

5:49 AM	Situation Report 0600 Wed 12/01/2011 - No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours. - Wivenhoe Dam peaked on the 11th January, Tuesday night at 19:00 at 74.97 mAHd with a corresponding discharge of 7,450 m ³ /s. The release have now been scaled back to 4,300m ³ /s at 05:00 am. Wivenhoe Dam is currently 74.77 m AHD and falling slowly. - The releases from Wivenhoe Dam will be temporarily reduced to 2,500 m ³ /s to allow the peak of Lockyer Creek to enter the Brisbane River, after which they will be increased to maximum of 3,500 m ³ /s. This release will then be maintained to drain the flood storage component within the required 7 days. - Somerset Dam is at 105.10 mAHd and slowly rising. The dam is discharging 1,230 m ³ /s over the spillway. The dam is expected to peak this morning near its current level. Sluice gates will be utilised to assist the draining of the flood storage compartment commencing on Thursday.	Situation Report	RA
5:50 AM	TM called Jim Stewart (BoM) advising him that we have significantly scaled back releases from Wivenhoe Dam, and will probably continue to scale back more. Agreed that Savages Crossing has peaked.	Correspondence	AN
6:00 AM	SDWD Model Updated - SDWD-201101120600withrain.xls	Model Run	JW
6:00 AM	North Pine Dam rang enquiring about closing down. JT advised that we have not yet decided.	Correspondence	AN
6:10 AM	Rob Drury rang and suggested that the fish recovery may be a fairly big job. JT suggested that our staff can check this morning and then decide.	Correspondence	AN
6:15 AM	Brendan Bradley (BCC) rang enquiring the level of the pump station at Mt Crosby. JT said we can't help, but that he should contact the treatment plant. Brett Myatt.	Correspondence	AN
6:30 AM	JT rang Doug Grigg (Wivenhoe Dam) advising that a directive will soon follow to lower gates to 5m.	Correspondence	AN
6:35 AM	Paul Martin rang. JT discussed current strategy.	Correspondence	AN
7:00 AM	Liaised with Bureau regarding expected peak in lower Brisbane.	Correspondence	JW
7:15 AM	Issued Wivenhoe Directive #34. • Close Gates 1 and 5 to 3.5 m • Close Gates 2 and 4 to 4.0 m	Directive	KH
7:50 AM	John Thornton (SunWater) called to confirm that 179 Turbot St had power.	Correspondence	JW
7:57 AM	Situation Report 0800 Wed 12/01/2011 Rainfall - No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours. Somerset/Wivenhoe - Somerset Dam has peaked at 105.11 mAHd at 06:00 on 12 January 2011 and the dam is discharging 1,230 m ³ /s over the spillway. Sluice gates will be utilised to assist the draining of the flood storage compartment commencing later Wednesday. - Wivenhoe Dam peaked at 74.97 mAHd at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m ³ /s. Wivenhoe Dam was 74.75 m AHD at 07:30 and generally falling slowly. - The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m ³ /s at 07:30 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m ³ /s. This release will then be maintained to drain the flood storage component within the required 7 days. - The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.	Situation Report	TM
8:20 AM	North Pine		
8:30 AM	Rob Drury rang enquiring current storage levels and releases. JT advised. Issued North Pine Directive #25. • Gate E: Open to increment 2 at 08:45	Correspondence	KH
9:20 AM	Brett Schultz (North Pine Dam) rang wanting to speak to JT.	Correspondence	KH
9:50 AM	Ken from Lowood Police rang enquiring current storage releases from Wivenhoe Dam. JT advised.	Correspondence	KH
10:15 AM	Issued Somerset Directive #8. • Fully Open Sluice L at 10:30.	Directive	KH

10:20 AM	Agg (Somerset Dam) called querying whether FOC have received fax and email regarding storage level. He was checking the walls before and will be at his desk for the next 30 minutes. Adam is there with him.	Correspondence	KH
10:50 PM	Sam (SeqWater) rang wanting to thank Neville for his and John's heroic effort in clearing SEQWater basement.	Correspondence	KH
11:20 AM	MT called to inform that he and Caroline Ellis Mallard (Seqwater) are not able to access Environm. He asked if TM can check the system.	Correspondence	KH
11:50 AM	Peter Borrow (Seqwater) called to ask that all communications be forwarded to him.	Correspondence	JW
12:20 PM	NA called Mathew O'Reilly (Wivenhoe Dam) to advise that Seqwater comms are to be switched off due to flooding of the Margaret Street offices. Please send all future hourly bulletins to the FOC via fax, or alternatively, phone or TPG link.	Correspondence	NA
12:25 PM	NA called Jeff Francis (North Pine Dam) advising him & Brett that Seqwater comms are to be switched off due to flooding of the Margaret Street offices. Please send all future hourly bulletins to the FOC via fax, or alternatively, phone or TPG link.	Correspondence	NGA
12:32 PM	Mick O'Halloran (Leslie Harrison Dam) called JT. Due to the failure of Seqwater comms, he was seeking direction on how to submit a final report on operations at approx. 1600 today. JT said to phone in to the FOC.	Correspondence	NGA
12:55 PM	Peter Baddiley, Rob Tesse, Jim Stevenson from BoM visited FOC to liaise with the Duty Engineers.	Correspondence	NGA
1:10 PM	Barton Maher called to request electronic copy of Wiv - Som Flood Ops manual to be forwarded to him.	Correspondence	NGA
1:15 PM	Mathew (Wivenhoe Dam) called to report lake level: 74.79mAH @13:00hrs. Note: Reading taken in surging water. Wivenhoe fax appears to have failed.	Correspondence	NGA
2:05 PM	Brett Schultz (North Pine Dam) called to inform that North Pine level was 39.74mAH and based on this level he is recommending at least one gate closure.	Correspondence	NGA
2:10 PM	Graham Keegan phoned from Wivenhoe Dam. The SES (and irrigators) at Fernvale have concerns that a flood peak might be coming down the Lockyer within the next couple of hours. Rob Ayre assured Graham that the flood heights have reduced by up to 3 metres and any increase would be less than 1 metre.	Correspondence	NGA
2:15 PM	Issued North Pine Directive #26. • Gate E: Close to increment 1 at 14:15	Directive	NGA
2:25 PM	Mathew (Wivenhoe Dam) called to report lake level: 74.81mAH @14:00hrs. Note: Reading taken in surging water. Wivenhoe fax confirmed as failed.	Correspondence	NGA
2:30 PM	Brett Schultz (North Pine Dam) called to advise that the automatic height gauge is drifting further from the manual gauge board readings. He will continue to provide both versions at hourly intervals but will rely on the manual gauge readings for gate operations.	Correspondence	NGA
2:45 PM	Issued North Pine Directive #27. • Gate C: Close to increment 1 at 14:45	Directive	NGA
3:00 PM	Situation Report 1500 Wed 12/01/2011 Rainfall Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm falls in the Stanley and North Pine catchments. There is no significant rain expected in the next 4 days. Somerset/Wivenhoe - Somerset Dam has peaked at 105.11 mAH at 06:00 on 12 January 2011. One sluice was opened at 1030 12 January 2011 and the dam is discharging 1,440 m3/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days. - Wivenhoe Dam peaked at 74.97 mAH at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.81 m AHD at 15:00 and steady. - The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. This release will then be maintained to drain the flood storage component within the required 7 days. - The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.	Situation Report	TM
3:05 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.81mAH @ 15:00hrs.	Correspondence	NGA
3:30 PM	Peter Baddiley (BoM) called TM to discuss re-appraisal of the expected flood peak in Brisbane. Peak now may be 5.2 metres early on Thursday 13/1/2011.	Correspondence	NA
4:00 PM	SDWD Model Updated - SDWD-201101121600.xls	Model Run	JW
4:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.80mAH @16:00hrs.	Correspondence	NGA

4:00 PM	Brett Schultz (North Pine Dam) called to report that Siding Creek Dam is spilling at 20.560mAH. Spillway level is 20.37mAH.	Correspondence	NGA
4:20 PM	Ken Morris (BCC) called FOC and had phone conference with Duty Engs. He was seeking update for briefing with Lord Mayor.	Correspondence	NGA
4:52 PM	Paul Martin (DERM) called FOC and left message for TM. They (DERM) will be gauging at Jindalee all night to catch the peak. Carolyn Ellis Mallard has been contacted and will be joining the crew.	Correspondence	NGA
5:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.82mAH @ 17:00hrs.	Correspondence	NGA
6:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.80mAH @ 18:00hrs.	Correspondence	NGA
6:00 PM	Situation Report 1800 Wed 12/01/2011 Rainfall Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm falls in the Stanley and North Pine catchments. There is no significant rain expected for the next 4 days. Somerset/Wivenhoe - Somerset Dam has peaked at 105.11 mAH at 06:00 on 12 January 2011. One sluice was opened at 1030 12 January 2011. Somerset Dam was 104.87 mAH at 1700 12 January 2011 and discharging 1,410 m3/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days. - Wivenhoe Dam peaked at 74.97 mAH at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.82 m AH at 17:00 and steady. - The release from Wivenhoe Dam was reduced to 2,500 m3/s at 07:30 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River and this release has been maintained since. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. The release is expected to commence Thursday and then be	Situation Report	TM
7:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.82 @ 19:00hrs.	Correspondence	MT
7:45 PM	RA & JR advised Chris Laney (BoM) that FOC will be sending updated projected releases from Wivenhoe Dam. This has been prepared with the aim of limiting flows at Moggill to 3,500 cumecs.	Correspondence	MT
8:00 PM	RA & JR advised David (BCC Flood Information Centre) that FOC will be sending updated projected releases from Wivenhoe Dam. This has been prepared with the aim of limiting flows at Moggill to 3,500 cumecs.	Correspondence	MT
8:55 PM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.82mAH @ 21:00hrs. They will now report levels every 2 hours.	Correspondence	RA
9:15 PM	Doug Grigg (Wivenhoe Dam) called to inform that Energex restored power at Wivenhoe Dam at 21:15 hours.	Correspondence	MT
9:50 PM	Brett Myatt (Mt Crosby WTP) provided an update on Kholo & Mt Crosby: Kholo 19:15hrs 20.0m Mt Crosby 21:00 23.5m	Correspondence	MT
Thursday, 13 January 2011			
10:00 PM	He asked for a situation update. RA shared Wivenhoe Dam's release strategy.	Correspondence	MT
12:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.81mAH @ 22:00hrs. Will now report levels every 2 hours.	Correspondence	MT
1:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.79mAH @ 00:00.	Correspondence	MT
1:05 AM	James (BCC) called FOC to enquire if Wivenhoe Dam has been compromised. JR assured him that that is not the case.	Correspondence	MT
1:10 AM	RA called BoM hotline number to check communications. BCC called the FOC regarding a viral text rumour that Wivenhoe Dam has failed. JR assured him that that is not true and will speak with Rob Drury about this matter.	Correspondence	MT
1:20 AM	Gareth Bossley (Queensland Police) called to inform of rumours that Wivenhoe Dam has been compromised.	Correspondence	MT
1:25 AM	JR called Doug Grigg (Wivenhoe Dam) to confirm Wivenhoe Dam has not been compromised.	Correspondence	MT
1:30 AM	JR called Rob Drury advising him about the rumours that Wivenhoe Dam has been compromised. JR will send him the BCC contact details.	Correspondence	MT
2:00 AM	Doug Grigg (Wivenhoe Dam) called to report level 74.765mAH @ 2:00hrs.	Correspondence	MT
4:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.74mAH @ 4:00hrs. Will now report levels every 2 hours.	Correspondence	MT

5:43 AM	Situation Report 0600 13 January 2011 <u>Rainfall</u> Rainfall in the last 12 hours is generally below 5mm with isolated falls of up to 15mm in the Stanley, Lockyer and Pine River catchments. There is no significant rain expected in the next 4 days. <u>Somerset/Wivenhoe</u> - Somerset Dam peaked at 105.11 mAHD at 06:00 on Wednesday 12 January 2011. The current level is 104.34 mAHD. One sluice was opened at 10:30 on 12 January 2011 and the dam is currently discharging 1,130 m3/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days. - Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. - Wivenhoe Dam was 74.72 m AHD at 06:00 and commenced to fall slowly. - The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 on Wednesday 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. The Brisbane River has peaked at the Port Office Gauge early Thursday morning. Releases from Wivenhoe Dam will be managed to achieve a target flow of around 3,500 m3/s at Moggill. This release will continue. <u>North Pine</u> At 06:00 North Pine Dam was 39.70 mAHD falling with all gates open 1 increment, releasing about 80 m3/s. North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with peak release of 2,800 m3/s. The event has a volume of around 200,000 ML. It is expected that all gates will be closed on Friday. <u>Strategy</u> - The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and reviewing operating strategy. The FOC will continue to maintain close contact with warning agencies and local councils. - The next report will be issued at 18:00 on Thursday 13 January 2011.	Situation Report	RA
6:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.71 mAHD @ 06:00hrs. Will now report levels every 2 hours.	Correspondence	MT
6:43 AM	Peter Baddley (BoM) called to inform that BoM has lost their telephone system. He provided 2 contact numbers: Thornston St 4.45m. Telemeter 4.20m	Correspondence	MT
7:30 AM	Agg Dagan has been advising Klicoy Police of the FOC strategy for lower Somerset during the next 24 hours of opening sluice later today	Correspondence	RA
7:50 AM	Peter Baddley (BOM) called to ask heights 3,500m3/s would be at Savages and Mt Crosby. TM advised 34.5m AHD and 16.5m AHD respectively.	Correspondence	TM
8:05 AM	Kerry (MBRC) wanted to know when NPD gates will be closed. Advised to be closed by 0500 Friday	Correspondence	TM
8:15 AM	Somerset directive #9 issued	Correspondence	JW
9:00 AM	Rob Drury wants to know when gates setting are changed on Wivenhoe and Somerset. Advised that NPD will be closed at 05 Friday.	Correspondence	RA
9:00 AM	Agg Dagan advised of projected level for Somerset, 103.5 by 2000 Thursday and 102.8 early Friday morning. Will open another sluice this afternoon.	Correspondence	TM
10:10 AM	Rob Drury called to inform that power and IT services have been restored at Seqwater.	Correspondence	JW
10:30 AM	Rob Drury called to request if he could be notified of any changes to releases from Wivenhoe	Correspondence	JW
11:00 AM	SDWD Model Updated - SDWD-201101131100.xls	Model Run	JW
12:30 PM	Wivenhoe directive #35 issued • Open Gate 2 from 4.0 metres to 4.5 metres at 1300. • Open Gate 4 from 4.0 metres to 4.5 metres at 1400.	Directive	JW
12:30 PM	Somerset directive #10 issued • Fully Open Sluice K at 13:00.	Directive	JW
1:00 PM	Tony Jacobs rang to enquire about Klicoy Creek and Mary Smokes Bridge. Duty Engineers advised that it may be out of water tonight, certainly by tomorrow morning.	Correspondence	JW
1:15 PM	Rob Drury called to advise that Police had called to ask when Klicoy would be accessible. John Tibaldi advised Rob that it would be by 6am tomorrow morning (14/1).	Correspondence	JW

1:40 PM	Brett Myatt called for update on Mt Crosby. Terry Malone informed him that level would be maintained at 17.5 metres for next 7 days.	Correspondence	JW
2:15 PM	Phone call from Steve Roso, MBRC. Advice as follows: * damage to Gypmle Rd abutments * No evacuations * No suburban flooding * Not aware of any over floor flooding. Pine Shire had 0.75m freeboard.	Correspondence	JW
2:30 PM	Wivenhoe directive #36 issued • Open Gate 1 from 3.5 metres to 4.0 metres at 1500. • Open Gate 5 from 3.5 metres to 4.0 metres at 1600. • Open Gate 1 from 4.0 metres to 4.5 metres at 1700. • Open Gate 5 from 4.0 metres to 4.5 metres at 1800.	Correspondence	JW
3:45 PM	Provided situation report to Rob Drury.	Situation Report	JW
3:50 PM	Brett Schultz called to confirm if FOC received Dam Observation report for North Pine Dam. Approx 6 of 40 uplift pressure gauges have abnormal readings.	Correspondence	JW
4:45 PM	Judy (MBRC) was advised that NPD gates will be closed at 0500 Friday	Correspondence	TM
6:00 PM	Wivenhoe directive #37 issued • Open Gate 2 from 4.5 metres to 5.0 metres at 1830. • Open Gate 4 from 4.5 metres to 5.0 metres at 1900. • Open Gate 1 from 4.5 metres to 5.0 metres at 1930. • Open Gate 5 from 4.5 metres to 5.0 metres at 2000. • Open Gate 3 from 5.0 metres to 5.5 metres at 2030.	Directive	JW
7:37 PM	John Thornton of SunWater called to confirm building services were working and all in order.	Correspondence	DP
7:51 PM	Rob called Mal Lane (North Pine Dam) to discuss the current drainage strategy to close all gates by 5am tomorrow. Water level in North Pine Dam will be frequently monitored against the predictive model results, and gate opening will be adjusted accordingly if required.	Correspondence	DP
8:15 PM	Wivenhoe directive #38 issued • Open Gate 2 from 5.0 metres to 5.5 metres at 2100. • Open Gate 4 from 5.0 metres to 5.5 metres at 2200. • Open Gate 1 from 5.0 metres to 5.5 metres at 2300. • Open Gate 5 from 5.0 metres to 5.5 metres at 2000. • Open Gate 3 from 5.5 metres to 6.0 metres at 0100 on 14/1/11 • Open Gate 3 from 5.5 metres to 6.0 metres at 0200 • Open Gate 3 from 5.5 metres to 6.0 metres at 0300	Directive	DP
8:28 PM	Somerset directive #11 issued • Fully Open Sluice N at 21:00.	Directive	DP
8:30 PM	Rob Ayre called Graham Francis to advise of directive #11.	Correspondence	DP
8:41 PM	Rob Ayre called Rob Drury to advise of current release rates from Wivenhoe, Somerset and North Pine Dams.	Correspondence	DP
12:46 AM	David Preston of Ipswich District (Fernvale) Police rang to enquire into the integrity of Somerset Dam, based on information received by the police. Rob Ayre indicated that surveillance procedures are in place to monitor the integrity of the Dam, and that RA will confirm with the operators.	Correspondence	DP
12:47 AM	Rob Ayre called Ray Ballinger at Somerset to enquire to the integrity of Somerset Dam. Operator indicated all was good and no anomalies have been detected.	Correspondence	DP
12:49 AM	RA called David Preston back on 3817 1436 to confirm that Somerset was recently inspected and all was ok.	Correspondence	DP

Friday, 14 January 2011

Time	Event Log	Directive	DP
2:10 AM	Rob Ayre called Shane Watson to advise commencement of shut down of gates in accordance with Directive #30: Please undertake the following gate operations commencing at 03:15 on Friday 14 January 2011. The interval between gate operations is to be 15 minutes. • Gate A: Close to 1 increment at 03:15 • Gate E: Close to 1 increment at 03:30 • Gate C: Close to 1 increment at 03:45 • Fully Close Gate B at 04:00 • Fully Close Gate D at 04:15 • Fully Close Gate A at 04:30 • Fully Close Gate E at 04:45 • Fully Close Gate C at 05:00		
5:13 AM	Fax received from North Pine Dam confirming closure of all gates.	Correspondence	DP
5:15 AM	Rob Ayre called MBRC to advise that North Pine Dam has closed the final gate at 5am.	Correspondence	DP
5:16 AM	Malcom from North Pine Dam called to confirm that all gates are closed, and Young's Crossing should be passable within 2 hours.	Correspondence	DP
5:28 AM	Lake Kurwongbah level is 20.43 m.		
5:37 AM	Rob Drury called to obtain a situation report. Rob Ayre provided the key information.	Correspondence	DP
5:37 AM	James C from BCC called requesting information for Wivenhoe Dam and checking sit-rep data. Enquired about flows throughout the event. TM advised that not currently in a position to discuss these.	Correspondence	DP
7:40 AM	Rob Drury rang FOC to enquire about river levels at Lowood. Pumps required to be installed to supply Lowood WTP. TM advised RD that no significant rises were expected in the Brisbane River levels in the foreseeable future.	Correspondence	NGA
7:45 AM	Andrew Tesse from ICC phoned the FOC. Enquiring about renewed rises in the Brisbane / Bremer River systems. He cannot contact BOM for an update. TM advised that no significant rises were expected at Moggi. A constant flow in the river was the plan as a consequence of Wivenhoe releases.	Correspondence	NGA
8:20 AM	Barton Maher phoned TM. Enquiry regarding the Wivenhoe Dam fuse plugs (design calcs/parameters).	Correspondence	NGA
8:21 AM	Peter Borrowers phoned the FOC. TM discussed with Peter Borrowers the release strategy from Wivenhoe Dam with a view to opening the Fernvale Bridge and Mt Crosby Bridge at the earliest possible time. TM also updated PB on the projected City Gauge height over the next few days. This being ~2.5 metres due to continuous releases from Wivenhoe Dam.	Correspondence	NGA
8:30 AM	TM returned call back to Barton Maher. TM extended an invitation to Barton and others to pay a visit to the FOC to inspect operations.	Correspondence	NGA
10:10 AM	Agg Dagan rang from Somerset Dam. Checking that all comms avenues (faxes & e-mails) are functioning. All good.	Correspondence	NGA
10:25 AM	Ken Morris from BCC rang TM. Enquiring if any chance of cutting back Wivenhoe releases to lower flows than the current figure of 3,500 cumecs. TM's response was NO!	Correspondence	NGA
10:40 AM	Rob Kaogh (SunWater) transmitted a message via Daryl Briggden (SunWater) to Barton Maher that the right bank abutment to Mt Crosby Bridge has suffered some erosion due to the flooding and there are concerns that the abutment may be further affected by piling once the water level falls.	Correspondence	NGA
10:50 AM	Murray Dunstan rang from North Pine. The dam ceased flood operations at 5:00am this morning and fish recovery and clean-up has been completed. Approx. 31 lung fish were rescued. Quite a number of dead lung fish and other species. Erosion damage downstream of the dam is severe with loss of vegetation, stripped and fallen trees, bank erosion, and many dead fish caught within the root ball of fallen trees. Murray is organising back hoes and front end loader machinery to clear the debris between the NP dam wall and Grant Street.	Correspondence	NGA
12:33 PM	Mark Tan phoned TM. Request from Seqwater Corp Comms about hourly updates. Particular concern about NPD which ceased flood operations at 5:00am this morning !! TM advised that updates from the dams would continue to be channelled solely through the FOC.	Correspondence	NGA
12:35 PM	Alli Cameron from DERM phoned TM. Re: Gauging exercise at Jindalee:- Soundtek M9 from boat (6 passes)	Correspondence	NGA
12:37 PM	Jindalee gauging result:- 4,300m ³ /sec at 6:45 metres AHD at 12:00 hrs		
	Peter Borrowers rang TM. Discussion about mis-informed reporting.	Correspondence	NGA

7:10 AM	Anthony Dagan (Somerset Dam) emailed floodcentre indicating he believed floodcentre phones were out. Tried to contact Ag by office and mobile phones with no success (Telstra message bank on office phone and Ag's message on mobile). Floodcentre phones were checked - working OK. Problem is with Somerset phones. Believe fax also not receiving. Ag emailed to confirm they have local calls but no STD. Continued checking mobile - no response.	Correspondence	BS
8:15 AM	Directive #45 sent to Matt at Wivenhoe: Please undertake the following gate operations commencing at 09:00 on 16/01/2011 • Open Gate 5 from 6.0 metres to 6.5 metres at 09:00 on 16/01/2011. Please advise the Flood Operations Centre by fax once you have completed these operations.	Directive	DP
8:20 AM	Called Matt at Wivenhoe to confirm directive 45 received. Confirmed not received - busy status on fax confirmation. Confirmed directive received via email.	Correspondence	BS
9:05 AM	Directive #12 sent to Ag at Somerset: Please undertake the following operations: • Fully close Sluice N at 10:00. Please confirm this gate operation by fax once you have completed the requested operations.	Directive	BS
9:40 AM	Retried all phones at Somerset - no response. Ag emailed to confirm that all phones are down at Wivenhoe. Email is still working and he will be checking emails every hour on the hour.	Correspondence	BS
10:20 AM	Email confirmation received that Somerset Directive #12 implementation has been completed.	Correspondence	BS
11:30 AM	FOC contacted by police (Robbie Goodger - ph [REDACTED] notifying that the Wivenhoe viewing area has been damaged. Rob Ayre unable to contact Wivenhoe staff (Matt) - message left. Then contacted Doug Grigg, who confirmed that the area is damaged and has been locked off and 2 security guards are on site. It won't be opened until the water level falls and a full inspection of the structure has been completed. Rob Ayre confirmed this with police, who reported that there was damage to safety rails and water supply to toilets. Matt also responded to Rob's call and confirmed the details.	Correspondence	BS
12:15 PM	Directive #46 sent (fax and email) to Matt at Wivenhoe (confirmed by phone): Please undertake the following gate operations commencing at 13:00 on 16/01/2011 • Open Gate 3 from 6.5 metres to 7.0 metres at 13:00 on 16/01/2011. Please advise the Flood Operations Centre by fax once you have completed these operations.	Directive	BS
12:30 PM	Phone call from Matt (Wivenhoe) - neither fax nor email received. Verbal instruction given to implement gate operation as per Directive #46 and email resent.	Correspondence	BS
12:40 PM	Ian Holland (contract programmer) called to advise that the back-up Linux box "Namah" at Mineral House is showing file system corruption errors, so the FCC is effectively without backup. The hydraulic model in the RTFN is missing because two Fortran programs "Modcom 2" and "Model" have not been ported to the Linux box.	Correspondence	BS
12:55 PM	Rob Ayre advised Warren Shallicross about the situation at Mineral House, and he will visit the backup operations centre ASAP.	Correspondence	BS
1:10 PM	Ag (Somerset) called to report that the phones are now working.	Correspondence	BS
2:40 PM	Terry Malone spoke to Rob Ayre. Grid manager wants a summary of flood volumes and peak discharges.	Correspondence	BS
3:00 PM	Warren Shallicross called - confirmed with Rob Ayre that the computer system at Mineral House has been rebooted and is functional.	Correspondence	BS
3:10 PM	Rob Drury rang to confirm current discharges. Confirmed 600 cumecs for Somerset and 3500 cumecs for Wivenhoe (approx).	Correspondence	BS
3:15 PM	Directive #47 sent (fax and email) to Matt at Wivenhoe (confirmed by phone): Please undertake the following gate operations commencing at 16:00 on 16/01/2011 • Open Gate 2 from 6.5 metres to 7.0 metres at 16:00 on 16/01/2011. Please advise the Flood Operations Centre by fax once you have completed these operations.	Directive	BS
4:00 PM	Directive #47 implemented - Gate 2 opened to 7.0 m.	Correspondence	BS
6:45 PM	Wivenhoe Directive #48 sent (fax and email) to Wivenhoe Dam. Open gate 4 from 6.5 metres to 7 metres at 20:00 on 16/1/2011.	Directive	MT
6:52 PM	Rob Ayre spoke with Doug Grigg (Wivenhoe Dam) about Directive #48 Wivenhoe strategy. Doug confirmed receipt of Directive.	Correspondence	MT
7:00 PM	FOC change over.	Other	MT

9:30 PM	Somerset Directive #13 sent (fax and email) to Somerset Dam. Fully close Sluice K at 22:00 on 16/1/2011. Fully close Sluice M at 03:00 on 17/1/2011. Fully close Sluice L at 07:00 on 17/1/2011. Fully open Regulator 12 at 07:15 on 17/1/2011.	Directive	MT
10:00 PM	Doug Grigg (Wivenhoe Dam) called to inform 3 floor panels missing from bulks.	Correspondence	MT
7:15 AM	Rob Drury called to get Sit Rep. Advised that Somerset should remain mobilised until further notice	Correspondence	LVB
7:35 AM	Agg Duggan called - discussed strategy i.e. operate cone valves only from now on	Correspondence	LVB
9:15 AM	Brett Myatt from Mt Crosby called to find out about strategy for Wivenhoe shut down. Informed him that we will start closing down mid afternoon and aiming to have it closed by Wednesday	Correspondence	LVB
9:35 AM	Rob Drury called to enquire when closing down will start and reminded us to inform Councils	Correspondence	LVB
10:00 AM	Advise Peter Allen about inconsistency between readings from BoM and actual HW gauges	Correspondence	LVB
10:15 AM	Tony Jacobs SRC was contacted and advised gate close will commence this afternoon and Fernvale Bridge will be out of the water sometime Tuesday morning	Correspondence	LVB
10:20 PM	Chris Lavin BCC was contacted (left message) advising gate close will commence this afternoon.	Correspondence	LVB
10:20 PM	Tony Trace ICC was contacted (left message) advising gate close will commence this afternoon.	Correspondence	LVB
11:15 PM	Called Bret Myatt to inform him that flow in Lockyer is 75m3/s and falling.	Correspondence	LVB
11:15 PM	Talked to Ken Morris BCC. Advised him about gate closure. He mentioned that BCC will not provide any info on flood recurrence until they discussed with FOC.	Correspondence	LVB
11:20 AM	Rob Drury called - Council wants to know draw down rates, so they can determine the effects on Coronation Dr. JR informed RD that Ken did not raise this when they spoke 10 mins before.	Correspondence	LVB
11:20 AM	Peter Burrows called saying he will email a revised copy of Michael O'Brain's document	Correspondence	LVB
12:20 PM	JR contacted BCC to get an update on Coro Dr situation. JR spoke to Ken Morris. Ken advised he had spoken to BCC Geotec Officers and they had advised that @ this stage as Coro Dr was back within the banks that they could not see an immediate problem. Some bank slumping have been identified further up the river. Council would like the recession of flow to be as flat as practicable but also that releases be as small as possible @ the Port Office gauge by the time of the high tide on Friday. This is consistent with our current strategy of closing releases by Wednesday 20 Jan 2010.	Correspondence	LVB
12:30 PM	Rob Drury called, requesting an update on discussions with BCC. He requested that BCC confirm the discussion of 12:20 in writing.	Correspondence	LVB
1:01 PM	Rob Drury called, saying Morton Bay wanted to know if there will be any more releases from NPD. JR said nil planned unless we get more rain.	Correspondence	LVB
2:00 PM	Send directive No 49 to Wivenhoe for gate closures for the next 80 minutes • Close Gate 4 from 7.0 metres to 6.5 metres at 14:00 on 17/01/2011. • Close Gate 2 from 7.0 metres to 6.5 metres at 14:20 on 17/01/2011 • Close Gate 3 from 7.0 metres to 6.5 metres at 14:40 on 17/01/2011 • Close Gate 5 from 6.5 metres to 6.0 metres at 15:00 on 17/01/2011	Directive	LVB
2:15 PM	Rob Drury called, asking for dates and times for Wivenhoe operations at the peak of the flood.	Correspondence	LVB
3:15 PM	Peter Badley from BoM called to confirm that he received the info on the discrepancy in the auto level recorder	Correspondence	LVB
3:15 PM	Send directive No 50 to Wivenhoe for gate closures • Close Gate 4 from 6.5 metres to 6.0 metres at 15:20 on 17/01/2011. • Close Gate 2 from 6.5 metres to 6.0 metres at 15:40 on 17/01/2011	Directive	LVB
4:15 PM	Jim from BoM - they have not received manual observations for days	Correspondence	LVB
6:00 PM	Send directive No 51 to Wivenhoe for gate closures on the half hour • Close Gate 1 from 6.5 metres to 6.0 metres at 16:00 on 17/01/2011 • Close Gate 3 from 6.5 metres to 6.0 metres at 16:20 on 17/01/2011. • Close Gate 5 from 6.0 metres to 5.5 metres at 16:40 on 17/01/2011 • Close Gate 1 from 6.0 metres to 5.5 metres at 17:00 on 17/01/2011 • Close Gate 4 from 6.0 metres to 5.5 metres at 17:20 on 17/01/2011 • Close Gate 2 from 6.0 metres to 5.5 metres at 17:40 on 17/01/2011 • Close Gate 3 from 6.0 metres to 5.5 metres at 18:00 on 17/01/2011	Directive	LVB

Monday, 17 January 2011

Tuesday, 18 January 2011	6:30 PM	Send directive No 52 to Wivenhoe for gate closures • Close Gate 5 from 5.5 metres to 5.0 metres at 18:30 on 17/01/2011 • Close Gate 1 from 5.5 metres to 5.0 metres at 19:00 on 17/01/2011 • Close Gate 4 from 5.5 metres to 5.0 metres at 19:30 on 17/01/2011 • Close Gate 2 from 5.5 metres to 5.0 metres at 20:00 on 17/01/2011 • Close Gate 3 from 5.5 metres to 5.0 metres at 20:30 on 17/01/2011 • Close Gate 5 from 5.0 metres to 4.5 metres at 21:00 on 17/01/2011 • Close Gate 1 from 5.0 metres to 4.5 metres at 21:30 on 17/01/2011 • Close Gate 2 from 5.0 metres to 4.5 metres at 22:00 on 17/01/2011 • Close Gate 4 from 5.0 metres to 4.5 metres at 22:30 on 17/01/2011 • Close Gate 5 from 4.5 metres to 4.0 metres at 22:00 on 17/01/2011	Directive	LVB
	9:30 PM	Wivenhoe directive no.53 emailed to dam operators (fax machine at Wivenhoe Inoperative). • Close Gate 5 from 4.5 metres to 4.0 metres at 23:00 on 17/01/2011 • Close Gate 1 from 4.5 metres to 4.0 metres at 23:30 on 17/01/2011 • Close Gate 5 from 4.0 metres to 3.5 metres at 00:00 on 18/01/2011 • Close Gate 1 from 4.0 metres to 3.5 metres at 00:30 on 18/01/2011 • Close Gate 4 from 4.5 metres to 4.0 metres at 01:00 on 18/01/2011 • Close Gate 2 from 4.5 metres to 4.0 metres at 01:30 on 18/01/2011 • Close Gate 5 from 3.5 metres to 3.0 metres at 02:00 on 18/01/2011 • Close Gate 1 from 3.5 metres to 3.0 metres at 03:00 on 18/01/2011 • Close Gate 3 from 5.0 metres to 4.5 metres at 04:00 on 18/01/2011 • Close Gate 4 from 4.0 metres to 3.5 metres at 05:00 on 18/01/2011 • Close Gate 2 from 4.0 metres to 3.5 metres at 06:00 on 18/01/2011 • Close Gate 5 from 3.0 metres to 2.5 metres at 07:00 on 18/01/2011 • Close Gate 1 from 3.0 metres to 2.5 metres at 08:00 on 18/01/2011	Directive	JW
Tuesday, 18 January 2011	12:30 AM	Peter Borrows called to inform that rapidly dropping water level at Lowood was causing issues with pumping for WTP. Asked if FOC could call John Granzien and then notify him via txt of the outcome.	Correspondence	JW
	12:35 AM	FOC contacted John Granzien in regards to pumping issues at Lowood. Terry decided to halt all gate operations until further notice in order to ensure security of water supply to Lowood.	Correspondence	JW
	12:45 AM	Wivenhoe directive #54 issued; halting all gate operations at Wivenhoe until further notice.	Directive	JW
	1:00 AM	Txt message sent to Peter Borrows to advise of cessation of Wivenhoe gate operations until further notice.	Correspondence	JW
	2:00 AM	BCC advise that the recession at Coronation Drive is not an issue with regards to bank stability	Correspondence	JW
	5:00 AM	Doug Grigg called to advise that Fernvale Bridge was emerging from river. Current release 2054 cumecs.	Correspondence	JW
	5:40 AM	Doug Grigg called to advise that the approach to the Fernvale Bridge from the Fernvale side was still underwater due to water backed up in the quarry.	Correspondence	JW
	5:45 AM	Called John Granzien to advise that Wivenhoe gate operations would recommence close down sequence from 9am as per original strategy. John to advise FOC if pumping operation at Lowood would benefit from additional 3 - 6 hours delay in gate operations.	Correspondence	JW

6:15 AM	Situation Report 06:15 18 January 2011 <u>Rainfall</u> There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week. Somerset/Wivenhoe At 16:00 Monday Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. At 06:00 Tuesday Wivenhoe Dam was 67.82 mAHD and continuing to fall slowly. Releases were held constant overnight at about 2,050 m3/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow. Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. Doug Grigg (Wivenhoe) called to advise that Surveyor Bill Hewitt is taking a routine deformation survey	Situation Report	KP
7:25 AM		Correspondence	KP
7:35 AM	Ken Morris (BCC) enquired about preliminary assessment of magnitude of flood. Ken suggested that SEQWater, BOM and BCC should arrive at a consensus regarding any assessment on the magnitude of the event. Rob Ayre agreed. Ken also enquired if we had done an assessment of the effects of the dam on peak flow. Rob indicated that our prelim figure was 13000 cumec peak at City Gauge without the Dams.	Correspondence	KP
8:19 AM	Wivenhoe directive no.55 faxed and emailed to dam operators • Close Gate 4 from 4.5 metres to 4.0 metres at 09:00 on 18/01/2011 • Close Gate 2 from 4.5 metres to 4.0 metres at 09:30 on 18/01/2011 • Close Gate 5 from 3.5 metres to 3.0 metres at 10:00 on 18/01/2011 • Close Gate 1 from 3.5 metres to 3.0 metres at 10:30 on 18/01/2011 • Close Gate 3 from 5.0 metres to 4.5 metres at 11:00 on 18/01/2011 • Close Gate 4 from 4.0 metres to 3.5 metres at 11:30 on 18/01/2011 • Close Gate 2 from 4.0 metres to 3.5 metres at 12:00 on 18/01/2011	Directive	KP
8:25 AM	Matthew O'Reilly (Wivenhoe) called to acknowledge Directive 55	Correspondence	KP
10:10 AM	Rob Townsley (SEQWater at Mt Crosby Phone [REDACTED]) has requested some forward projections for flows at Mt Crosby Weir for the next 48 hours. They are looking at sludge dilution.	Correspondence	KP
10:15 AM	Rob Ayre called Rob Townsley back to provide the following info re projected flows at Mt Crosby Weir: 18/1/2011 10:00 - 2300 cumecs 19/1/2011 10:00 - 1130 cumecs 20/1/2011 10:00 - 360 cumecs	Correspondence	KP
10:19 AM	Mark Gibson from BCC Flood Information Centre called to advise that Campbell Newman wants an indication of what the flood would have been without dams and asked if the figure of 13000 cumecs provided to Ken Morris earlier could be released to the public.	Correspondence	KP
10:24 AM	Rob Ayre spoke to Rob Drury to ask SEQWater's policy re release of information above. Rob Drury to confirm with his comms people.	Correspondence	KP
10:30 AM	Paul Bird (SEQWater comms officer) called to advise that the minister's office has recommended that no info regarding releases from WD be released to anybody. Paul Bird will now communicate this response to the BCC Flood Info Centre and specifically Mark Gibson.	Correspondence	KP

10:38 AM	Tony Jacobs (Somerset RC) requested info re when Burtons Bridge is expected to be free from inundation. Under our current shutdown sequence, Rob Ayre advised that we expect Burtons to be free around midnight on Wed evening. Tony also advised that the bridge on New England Creek will become flood free at around the same time. Tony indicated that at 8am today the approaches to Fernvale were clear of water. However, powerlines and silt need to be removed. He expects the bridge to be open this afternoon.	Correspondence	KP
10:55 AM	Barton Maher (SEQWater) called to confirm that we received the hydraulic model from WRM. (affirmative)	Correspondence	KP
12:05 PM	Peter Borrows (SEQWater) called to advise that he and Bob Reilly (DERM) will come and visit the FOC at 2:30 this afternoon.	Correspondence	KP
12:06 PM	Wivenhoe directive no.56 faxed and emailed to dam operators • Close Gate 5 from 3.0 metres to 2.5 metres at 12:30 on 18/01/2011 • Close Gate 1 from 3.0 metres to 2.5 metres at 13:00 on 18/01/2011 • Close Gate 4 from 3.5 metres to 3.0 metres at 14:00 on 18/01/2011 • Close Gate 2 from 3.5 metres to 3.0 metres at 14:30 on 18/01/2011 • Close Gate 4 from 3.0 metres to 2.5 metres at 15:00 on 18/01/2011 • Close Gate 2 from 3.0 metres to 2.5 metres at 15:30 on 18/01/2011	Directive	KP
12:26 PM	Rob Drury called to confirm programmed final shutdown. Rob Ayre advised scheduled for 9am Thursday 20/1 2011. Rob Drury to confirm with Rohan Thorogood re fish recovery.	Correspondence	KP
1:22 PM	Confirmed with Mat O'Reilly that gate closure sequence was in accordance with directive as email received from WD re 13:00 closure was incorrect.	Correspondence	KP
2:00 PM	John Tibaldi called for an update of the closedown sequence	Correspondence	KP
2:15 AM	Rob Ayre called Greg Roads of WRM re hydraulic model of Brisbane River... login and password not working... Greg not available at present	Correspondence	KP
2:30 PM	Peter Borrows (SEQWater) and Bob Reilly (DERM) visited FOC to check current situation and to pass on thanks for job performed so far. Also requested that we hold further gate operations until problems at Lowood Pump Station are resolved.	Other	KP
2:55 PM	Rob Ayre called Mat O'Reilly to direct a hold in gate operations... to be confirmed by email	Directive	KP
3:00 PM	Wivenhoe directive no.57 emailed to dam operators Please cease gate operations as at 15:00 on 18/01/2011 so as to accommodate the repairs at Lowood pump station. Current gate settings of :- Gate 1 – Open 2.5 metres Gate 2 – Open 3.0 metres Gate 3 – Open 4.5 metres Gate 4 – Open 3.0 metres Gate 5 – Open 2.5 metres to be maintained for up to 12 hours	Directive	KP
4:05 PM	Rob Ayre called Mal Lane to alert him to the possibility of operating North Pine Dam with incoming storms.	Correspondence	KP
4:30 PM	Rob Drury rang noting the current storms and requested that Rob Ayre call Tony Martini (Moreton RC) to advise of the possibility of operating North Pine Dam.	Correspondence	KP
4:34 PM	Email from Peter Borrows containing Bob Reilly's approval to vary the flood release regime to enable a constant flow for the Lowood WTP offtake.	Correspondence	KP

4:45 PM	Rob Ayre rang Tony Martini (Moreton RC) to advise of the possibility of operating North Pine Dam in the next day or so if predicted falls of up to 50mm occurred.		Correspondence	KP
5:45 PM	Situation Report 18:00 18 January 2011 Rainfall There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week. Somerset/Wivenhoe At 16:00 Monday Somerset Dam was 99.02 mAHd and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHd at 18:00 on Wednesday 12 January 2011. At 08:00 Tuesday Wivenhoe Dam was 67.82 mAHd and continuing to fall slowly. Releases were held constant overnight at about 2,050 m3/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow. Wivenhoe Dam peaked at 74.97 mAHd at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s. Rob Drury called to discuss situation report for North Pine.		Situation Report	KP
6:25 PM	Rob Drury called to discuss situation report for North Pine.		Correspondence	KP
6:57 PM	JT phoned Tony Martini at MBRC. Message left regarding plans to open NPD gates this evening as the lake level is approaching trigger level with more rain / showers forecast.		Correspondence	NGA
7:02 PM	JT phoned Malcolm Lane regarding mobilising for NPD gate opening this evening. Tentative plan is for commencement of gate opening at 20:30.		Correspondence	NGA
7:05 PM	JT phoned the Duty Officer (Charlie) at MBRC regarding the planned imminent opening of the NPD gates. Target time is 20:30 if Council has the barriers in place closing Youngs Crossing Road and the dam is fully manned.		Correspondence	NGA
7:05 PM	Neville Ablitt phoned Rob Drury to provide an update on the NPD mobilisation and proposed gate openings.		Correspondence	NGA
7:07 PM	JT phoned Murray Dunstan to advise of planned gate opening of NPD this evening. Cessation of operations (i.e. gate closure) is expected to be arranged for tomorrow morning (19/1) in order for Youngs Crossing Road to be opened to peak hour traffic. JT advised MD to plan for an early morning fish recovery exercise at NPD.		Correspondence	NGA
7:10 PM	Tony Martini from MBRC returned phone call to JT. JT repeated information already conveyed to MBRC Duty Officer - Charlie regarding requirement for Youngs Crossing Road to be closed to traffic to allow NPD gates to be operated by 20:30 if possible.		Correspondence	NGA
7:15 PM	JT phoned Cynthia Crane (Seqwater) regarding JT's inability to access Citrix. Outage (?). Message left.		Correspondence	NGA
7:15 PM	JT phoned Rob Drury regarding Citrix comms outage. Message left requesting RD to intervene to have the problem fixed.		Correspondence	NGA
7:20 PM	Lief from IT (Seqwater) rang and 'reset' Citrix for JT.		Correspondence	NGA
7:30 PM	JT phoned Malcolm Lane at NPD to confirm gate opening arrangements for 20:30 if Youngs Crossing Road has been closed to traffic by Council at that time.		Correspondence	NGA
7:35 PM	North Pine Dam directive no.31 faxed to dam operators • Gate C: Open to 1 increment at 2030 - Tuesday 18/1/2011 • Gate E: Open to 1 increment at 2045 • Gate A: Open to 1 increment at 2100 • Gate D: Open to 1 increment at 2115 • Gate B: Open to 1 increment at 2130		Directive	NGA

7:40 PM	Rob Drury rang the FOC to enquire if the Citrix issue was sorted. Citrix connection now functioning. JT expressed concern about the current release strategy for Wivenhoe Dam. If the current release rate is maintained (set to accommodate Lowood temporary raw water pumps), the model indicates that the lake level could fall well below FSL (~ EL 65.00 ??).	Correspondence	NGA
7:42 PM	JT phoned Jim Pruss (Seqwater) to seek advice on who could supply the most up-to-date status report on the current situation at Lowood regarding river levels and pumping activities to supply the WTP. JP suggested John Smith (?).	Correspondence	NGA
7:45 PM	JT phoned Mick Drews (Seqwater) seeking info Re: Lowood. Mick referred JT to Daniel Roche.	Correspondence	NGA
7:50 PM	JT phoned Daniel Roche. - reportedly on site at Lowood PS. No answer. Message left.	Correspondence	NGA
7:52 PM	JT phoned John Smith - Lowood WTP operator to enquire as to current status regarding temporary pumping arrangements of raw water from the Brisbane River.	Correspondence	NGA
7:55 PM	Agg Dagan (Somerset Dam operator) phoned the FOC from home seeking the Duty Engineer's intentions for operations at Somerset Dam overnight. JT requested a Gauge Board reading of the lake level and advised that an operations strategy for Somerset Dam would be addressed within 30 minutes - following satisfactory mobilisation of NPD.	Correspondence	NGA
8:00 PM	Mark Millman (Seqwater - IT) phoned JT to check status of Citrix connection. Citrix connection is functioning.	Correspondence	NGA
8:05 PM	Agg Dagan phoned from Somerset Dam. Current lake level is EL 98.95 Unchanged from lake level at 15:35 today.	Correspondence	NGA
8:05 PM	JT phoned Graham Keegan at home. JT requested GK to visit Lowood pumping intake site and report on status as unable to contact Daniel Roche.	Correspondence	NGA
8:11 PM	JT phoned Agg Dagan (Somerset Dam operator). Agg to send fax in with lake level. Likely strategy will be to close off the regulator overnight and re-assess the situation in the morning.	Correspondence	NGA
8:12 PM	JT conversed with Peter Pennell (Seqwater). PP advised that arrangements are in hand to move the temporary pumps at the Brisbane River site at Lowood. The pumps are being re-located downhill to maintain extraction of raw water from the river to supply the Lowood WTP.	Correspondence	NGA
8:15 PM	Daniel Roche contacted JT. The temporary raw water pumps at Lowood are being moved closer to the river - chasing the anticipated lower level in the river due to reduced releases from Wivenhoe.	Correspondence	NGA
8:18 PM	Rob Drury rang the FOC to seek an update on operations at all 3 storages.	Correspondence	NGA
8:25 PM	JT confirmed on-site manning arrangements at Lowood with Graham Keegan.	Correspondence	NGA
8:30 PM	Somerset Dam operator advised FOC by fax that Regulator #12 had been closed as per verbal advice from JT.	Information	NGA
8:40 PM	Wivenhoe directive no.58 emailed to dam operators • Close Gate 4 from 3.0 metres to 2.5 metres at 20:45 on 18/01/2011 • Close Gate 2 from 3.0 metres to 2.5 metres at 21:15 on 18/01/2011	Directive	NGA
8:35 PM	JT contacted Doug G. at Wivenhoe. Gate closing directive pending.	Correspondence	NGA
8:55 PM	Malcolm Lane phoned the FOC. MBRC have only just closed off Youngs Crossing Road. By the time the siren is sounded, the gate openings in Directive 31 scheduled to commence at 20:30 will be delayed by 45 minutes.	Correspondence	NGA
9:00 PM	Charlie, the Duty Officer at MBRC, rang JT to advise that Youngs Crossing Road was now closed. JT advised Charlie that it was intended to maintain releases from NPD through until 5:00am Wednesday 19/1. With this operating strategy, Young's Crossing Road should be able to be re-opened to traffic by 7:00am tomorrow.	Correspondence	NGA
9:05 PM	Note: Wivenhoe Dam fax machine is still inoperative	Correspondence	NGA

9:08 PM	JT phoned Murray Dunstan to advise of planned gate opening of NPD this evening. Closure is	Correspondence	NGA
9:15 PM	Rob Drury phoned JT to discuss the Wivenhoe release strategy and its potential to effect bank slumping at Coronation Drive. The changed situation at Lowood means that the reduction in Brisbane River levels will now be far more even. RD advised that Coronation Drive is no longer a concern.	Correspondence	NGA
9:30 PM	Neville Ablitt phoned BCC and made contact with Leanne from BCC's Flood Operations (Disaster Management) Centre. JT requested confirmation that Coronation Drive would not be adversely affected by way of bank slumping if releases from Wivenhoe were terminated on Wednesday afternoon. JT requested Leanne to investigate and call back the FOC.	Correspondence	NGA
9:35 PM	Wivenhoe directive no.59 emailed to dam operators • Close Gate 5 from 2.5 metres to 2.0 metres at 22:00 on 18/01/2011 • Close Gate 1 from 2.5 metres to 2.0 metres at 22:30 on 18/01/2011	Directive	NGA
9:38 PM	Neville Ablitt contacted Doug G. at Wivenhoe Dam by 2-way radio to confirm his receipt of e-mail containing Directive #59. Doug also confirmed that the Wivenhoe fax machine is still inoperative. All written comms to be by e-mail.	Correspondence	NGA
9:50 PM	JT phoned Rob Drury. Wivenhoe release strategy discussed regarding Lowood WTP temporary offtake level, concerns about Coronation Drive bank slumping and lake level at cessation of releases if targeted for tomorrow afternoon.	Correspondence	NGA
9:53 PM	Chris Thorley from BCC's Flood Operations (Disaster Management) Centre phoned JT. Wivenhoe release strategy and effect on Coronation Drive discussed. BCC have no concerns about imminent cessation of Wivenhoe releases. JT explained that it was more likely that the tidal variation at Toowong would have a greater impact on the river banks than the Wivenhoe releases.	Correspondence	NGA
10:00 PM	JT phoned Malcolm Lane at NPD to discuss release strategy. i.e. planned gate openings to setting #2 followed by closure sequence to be completed by early tomorrow morning (19/1).	Correspondence	NGA
10:02 PM	RD phoned JT. Release strategy and final lake level at gate closure at Wivenhoe discussed.	Correspondence	NGA
10:14 PM	Graham Keegan phoned JT. Situation at Lowood is under control. JT advised Graham that the releases at Wivenhoe are planned to cease by early afternoon tomorrow (19/1).	Correspondence	NGA
10:15 PM	North Pine Dam directive no.32 faxed to dam operators • Gate C: Open to 2 increments at 2230 - Tuesday 18/1/2011 • Gate E: Open to 2 increments at 2245 • Gate A: Open to 2 increments at 2300 • Gate D: Open to 2 increments at 2315 • Gate B: Open to 2 increments at 2330	Directive	NGA
10:40 PM	Wivenhoe directive no.60 emailed to dam operators • Close Gate 5 from 2.0 metres to 1.5 metres at 23:00 on 18/01/2011 • Close Gate 1 from 2.0 metres to 1.5 metres at 23:30 on 18/01/2011 • Close Gate 3 from 4.5 metres to 4.0 metres at 00:00 on 19/01/2011 • Close Gate 4 from 2.5 metres to 2.0 metres at 00:30 on 19/01/2011 • Close Gate 2 from 2.5 metres to 2.0 metres at 01:00 on 19/01/2011 • Close Gate 5 from 1.5 metres to 1.0 metres at 01:30 on 19/01/2011 • Close Gate 1 from 1.5 metres to 1.0 metres at 02:00 on 19/01/2011 • Close Gate 4 from 2.0 metres to 1.5 metres at 02:30 on 19/01/2011 • Close Gate 2 from 2.0 metres to 1.5 metres at 03:00 on 19/01/2011 • Close Gate 5 from 1.0 metres to 0.5 metres at 03:30 on 19/01/2011 • Close Gate 1 from 1.0 metres to 0.5 metres at 04:00 on 19/01/2011 • Close Gate 4 from 1.5 metres to 1.0 metres at 04:30 on 19/01/2011 • Close Gate 2 from 1.5 metres to 1.0 metres at 05:00 on 19/01/2011	Directive	NGA

Wednesday 19/01/2011	11:45 PM	North Pine Dam directive no.33 faxed to dam operators • Gate B: Close to 1 increment at 0245 - Wednesday 19/1/2011 • Gate D: Close to 1 increment at 0300 • Gate A: Close to 1 increment at 0315 • Gate E: Close to 1 increment at 0330 • Gate C: Close to 1 increment at 0345 • Gate B: Fully Close at 0400 • Gate D: Fully Close at 0415 • Gate A: Fully Close at 0430 • Gate E: Fully Close at 0445 • Gate C: Fully Close at 0500	Directive	NGA
	3:30 AM	JT phoned the Mount Crosby WTP to obtain an update on the status of the Mount Crosby Weir Bridge. It is currently clear of water and came out of inundation approx 14:00 yesterday (18/1). The bridge has reportedly suffered some damage. Details unknown.	Correspondence	NGA
	4:38 AM	JT advised Doug G. at Wivenhoe Dam that the strategy for further gate closures after 0500 was dependant on the outcome of a discussion with Peter Borrows anticipated within the hour. Doug advised that the Fernvale Bridge was clear of floodwater but that it had powerlines down on /around it.	Correspondence	NGA
	5:05 AM	Doug G. from Wivenhoe Dam phoned the FOC to report that some erosion has occurred in the vicinity of the plunge pool downstream of the flip bucket. This has become evident now that the gate releases have been reduced. Some large boulders (~10t) are evident piled up against the bench D/S of the flip bucket. JT will need to inspect the damage ASAP.	Correspondence	NGA
	5:10 AM	JT phoned Peter Borrows to obtain a Govt. view on how long to maintain releases and to where the lake level should be held following closure of all gates. Timing of the gate closure might be dependant on the erosion issue.	Correspondence	NGA
	5:15 AM	JT phoned TM to arrange for TM to relieve JT ASAP in the FOC as he is required to inspect the reported damage at Wivenhoe Dam.	Correspondence	NGA
	5:20 AM	JT phoned Barton Maher (Seqwater) to arrange a joint inspection of the erosion damage at Wivenhoe Dam as reported by Doug G. the dam operator.	Correspondence	NGA
	5:25 AM	Rob Drury phoned JT to obtain an update. JT advised RD that damage has been reported to the area D/S of the flip bucket at Wivenhoe. An inspection ASAP is warranted.	Correspondence	NGA
	5:25 AM	Wivenhoe directive no.61 emailed to dam operators • Close Gate 5 from 0.5 metres to fully closed at 5:30 on 19/01/2011 • Close Gate 1 from 0.5 metres to fully closed at 6:00 on 19/01/2011 • Close Gate 4 from 1.0 metres to 0.5 metres at 6:30 on 19/01/2011 • Close Gate 2 from 1.0 metres to 0.5 metres at 7:00 on 19/01/2011	Directive	NGA
	5:30 AM	JT phoned Peter Allan (Dam Regulator) to advise that damage had been reported at Wivenhoe Dam by the operator. Initial information indicates that large boulders are piled up in the plunge pool D/S of the flip bucket. The source of these boulders is unknown as releases are still continuing from the gates. JT has arranged to inspect the site with Barton Maher in a few hours and an invitation was extended to PA as an interested party to attend the inspection. JT will provide updates as they come to hand.	Correspondence	NGA
	5:35 AM	Doug G. phoned JT on his mobile phone with an update report.	Correspondence	NGA
	8:08 AM	JT phoned TM. Things seem to be O.K. but we will continue to close all gates by this afternoon.	Correspondence	KH
	8:20 AM	TM phoned Flood Warning Centre advising that flood operation for current event will be shut down around lunch time.	Correspondence	KH
	9:23 AM	JT phoned TM asking whether we should run a regulator.	Correspondence	KH
	9:51 AM	TM phoned JT regarding modelling results.	Correspondence	KH

10:00 AM	TM phoned JT regarding modelling results. TM want to advise Doug G to stop at Gate 3 at 1 metre, but they agree to close as planned and maintain operational release instead of flood release.	Correspondence	KH
10:15 AM	JT has discussed the event closure with Peter Allen. It was agreed that the flood will be considered closed with the closure of the gates at 1200. At that time, control of the dam will revert to Seqwater. As the low flow channel to the regulator is blocked, the centre gate will be opened to 1 metre to manage on going inflows with the aim of getting to 95% (EL 66.5).	Correspondence	TM
10:43 AM	Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
11:14 AM	JR phoned TM - Still operational until tonight.	Correspondence	KH
11:28 AM	Rob Townsley (SEQWater at Mt Crosby 34374112) phoned FOC requesting for peak flow at Mt Crosby Weir during the latest event.	Correspondence	KH
11:36 AM	TM phoned JT confirming that JR and LVB will be on tonight.	Correspondence	KH
11:45 AM	TM phoned Rob Townsley advising that peak flow over Mt Crosby Weir was about 9150 cumecs.	Correspondence	KH
11:51 AM	TM phoned (left message with) MBRC regarding potential for closing operation tonight.	Correspondence	KH
11:52 AM	TM phoned (left message with) Murray Dunstan to call him back.	Correspondence	KH
11:59 AM	JT phoned TM stating that divers will investigate erosion d/s Wivenhoe Dam today.	Correspondence	KH
1:25 PM	Rob Townsley phoned TM discussing about the information which TM sent.	Correspondence	KH
1:39 PM	Matthew O'Reilly phoned TM advising Wivenhoe Dam EL is 66.89 m AHD.	Correspondence	KH
3:21 PM	Kerry (MBRC) phoned wanting AJ Wyllie Bridge to be closed at 9:00 PM rather than 7:00 PM, and stating that she will update 24 hour call centre number. She will send email to confirm all this.	Correspondence	KH
4:00 PM	Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
7:30 PM	Toni Martini from MBRC called to say that the alternate route @ Petri is open (sooner than the 9 PM forecast)	Correspondence	LVB
9:10 PM	Called Murray Dunstan to inform him that NPD will be mobilised.	Correspondence	LVB
9:10 PM	Called Brett Schultz NPD to mobilise. The WL is approaching trigger level for gate opening.	Correspondence	LVB
9:20 PM	Called MBRC call centre to inform them that NPD will be operated. They called back and advised that they can close Young's crossing by 11 PM. They will confirm once road is closed.	Correspondence	LVB
9:38 PM	Brett Schultz called to confirm they are ready The gauge reading was 39.54 @ 9:30PM	Correspondence	LVB
12:15 AM	Send Directive 34 to NPD to start opening gates	Directive	LVB
2:00 AM	Send Directive 35 to NPD to start opening gates	Directive	LVB
2:15 AM	Toni Martini from MBRC called regarding release at NPD. He was advised that the gates will be open open for a while yet	Correspondence	LVB
6:50 AM	Maria from MBRC called to find out when the gates on NPD will be shut. They were advised that the gates will only be closed in time for the afternoon peak.	Correspondence	LVB
7:20 AM	Rob Ayre called Tony Jacobs at SRC to advise of flow in Lockyer Creek. Tony concerned about Burtons Bridge but RA indicated that we will endeavour to keep flows below 400 m3/s.	Correspondence	RA
7:25 AM	RA called Tony Trace at Ipswich CC and advised of renewed flows in Lockyer Creek and Middle Brisbane R.	Correspondence	RA
7:40 AM	RA called Chris Lavin at BCC and advised of increased flows in Lockyer Creek and Middel Brisbane. Advised that Savages Crossing and will be Colleges Crossing are inundated. Estimated travel time 30 to 36 hours.	Correspondence	RA
7:55 AM	RA called NOD and spoke to Doug. Discussed proposed strategy to drain until around 2:00 PM with current gate settings. Requested hourly readings so as to monitor model performance.	Correspondence	RA
8:00 AM	Mal Lane from NPD called to discuss proposed operations. RA indicated that we will continue as is until 10:00am QPF comes in and then decide from there as to strategy.	Correspondence	RA
8:40 AM	Rob Drury called enquiring about the timeliness of the notice we gave to MBRC. Rob advised him accordingly.	Correspondence	KH

Thursday 20/01/2011

Friday Morning 22/10 - Technical Capability Meeting

From: James Charalambous <[REDACTED]>
To: "Baddiley, Peter" <[REDACTED]>
Cc: "Carroll, Don" <[REDACTED]> "Caswell, Evan" <[REDACTED]>
"Morris, Ken" <[REDACTED]>
Date: Mon, 18 Oct 2010 16:00:57 +1000

Hi

As discussed this Friday 22/10 from 9am to 12:30pm would like to conduct a technical meeting between SEQWater/BOM/BCC:

Agenda as follows:

1. SEQ Water, BOM and BCC to each discuss for 30mins technical capabilities and how they operate/function in a flood event
2. Open discussion on communication between agencies, processing of information and data
3. Suggestions or improvements to current systems/processes

Morning tea and lunch will be provided.

Regards
JamesC.

Friday Morning 22/10 - Technical Capability Meeting

From: James Charalambous <[REDACTED]>
To: "Baddiley, Peter" <[REDACTED]>
Cc: "Carroll, Don" <[REDACTED]>, "Caswell, Evan" <[REDACTED]>, "Morris, Ken" <[REDACTED]>
Date: Tue, 19 Oct 2010 09:51:41 +1000

Hi

Just a follow-up from my phone call and email yesterday.

As discussed this Friday 22/10 from 9am - 12:30pm would like to conduct a technical meeting between SEQWater/BOM/BCC:

Agenda as follows:

1. SEQ Water, BOM and BCC to each discuss for 30mins technical capabilities and how they operate/function in a flood event
2. Open discussion on communication between agencies, processing of information and data
3. Suggestions or improvements to current systems/processes

Morning tea and lunch will be provided.

The meeting room has a computer/projector so if you would like to present a brief power point presentation this is possible.

Please aim to arrive at 8:45am for arrival morning tea/coffee so we can start the meeting at 9am sharp.

Thank-you.

Regards
JamesC.

Friday Morning 22/10 - Technical Capability Meeting

From: James Charalambous <[REDACTED]>

To: "Baddiley, Peter" <[REDACTED]>

Cc: "Carroll, Don" <[REDACTED]>, "Caswell, Evan" <[REDACTED]>

, "Morris, Ken" <[REDACTED]>, "Scroope, Greg" <[REDACTED]>

Date: Wed, 20 Oct 2010 15:36:15 +1000

Hi

Just a follow-up from my phone call and email Monday.

As discussed this Friday 22/10 from 9am - 12:30pm would like to conduct a technical meeting between SEQWater/BOM/BCC:

Proposed detailed meeting agenda as follows:

Session 1

9:00am Welcome and overview by Don Carroll

9:00 to 9:30am: Technical capability presentation by SEQ Water

9:30 to 10:00am: Technical capability presentation by BOM

10:00 to 10:30am: Technical capability presentation by BCC (James/Ken)

10:30am to 10:45am: Morning Tea

Session 2

10:45am to 11:00am: Outline of agenda items from each agency

11:00am to 12:00pm: Focused discussions on communications/improvements to existing systems/protocols for 'key agenda items'

With regards to Session 2, as we have limited time, we are requesting each agency give some thought beforehand to possible agenda items.

Based on the items tabled at the start of session 2, 'key items' will be identified for the focused discussion over the next hour.

12:00am to 12:30pm: Lunch

Morning tea and lunch will be provided. The meeting room has a computer/projector.

Please aim to arrive at 8:45am for arrival morning tea/coffee so we can start the meeting at 9am sharp.

Thank-you.

Regards
JamesC.

Friday Morning 29/10 - Technical Capability Meeting

From: James Charalambous <[REDACTED]>
To: "Baddiley, Peter" <[REDACTED]>, "Carroll, Don" <[REDACTED]>, "Caswell, Evan" <[REDACTED]>, "Charalambous, James" <[REDACTED]>, "Morris, Ken" <[REDACTED]>
Cc: "Lavin, Chris" <[REDACTED]>, "Scroope, Greg" <[REDACTED]>
Date: Fri, 22 Oct 2010 15:01:00 +1000

As per our discussions today:

SEQWater/BOM/BCC have agreed to reconvene next Friday 29/10/2010

Time: 8:45 am to 12:30pm.

Location: Green Square Level 2 (GSQ-L2A-4-10p)

Agenda as follows:

1. Open discussion on communication between agencies, processing of information and data
2. Suggestions or improvements to current systems/processes

Morning tea (10am) and lunch (12-12:30pm) will be provided.

The meeting will follow on from today's discussion (meeting notes attached).

[No Subject]

Brisbane River Storm Event

1. Rain in Brisbane
2. SEQ water contacts LDCC
3. Decision on action

Brisbane River Flood Event

1. May or may not mobilise FOC
2. If FOC mobilised 24x7 ops
3. FOC contacts (telephones) duty officer at BCC Disaster Management and the BOM, starts providing releases estimates to the BOM
4. BCC DM duty officer contacts FIC, FIC stands up, LDCC advises SEQ Water to direct future comms to FIC
5. FIC contacts BOM, advises that FIC will stand up, then seeks to access flood height estimates from the BOM's modelling
6. What are the triggers for SEQ Water to provide release advice directly to FIC?
7. The possibility of a telephone conference between all three agencies at a significant level of flooding? Again what is the trigger for such a conversation (i.e. 3500m³/s or less??) Triggers for media release may be different for each agency.
8. What is the minor flood level for Brisbane?

SEQ Water - Gold Folder Request

From: James Charalambous [REDACTED]
To: [REDACTED]
Cc: "Carroll, Don" [REDACTED], "Caswell, Evan"
[REDACTED], "Grant, Madeleine"
[REDACTED], "Morris, Ken" [REDACTED]
[REDACTED]

Date: Fri, 22 Oct 2010 15:09:08 +1000

Hi John/Terry,

It appears we have the emergency action plans for Wivenhoe, Somerset and a number of other dams in SEQ (ie the red folders)

Unfortunately we do not have any gold folders (manual of operations procedures). Can we please request another complete copy of the gold folders.

Also for future reference any new updates for the 'red' and 'gold' folders be directed to Madeleine Grant (our knowledge centre information officer) email attached.

Thank-you.

Kind Regards
JamesC.

RE: SEQ Water - Gold Folder Request

From: Terry Malone <[REDACTED]>
To: James Charalambous <[REDACTED]>, John Tibaldi <[REDACTED]>
Cc: "Carroll, Don" <[REDACTED]>, "Caswell, Evan" <[REDACTED]>
 <[REDACTED]>, "Grant, Madeleine" <[REDACTED]>
 <[REDACTED]>, "Morris, Ken" <[REDACTED]>
 Rob Drury <[REDACTED]>
Date: Fri, 22 Oct 2010 15:15:47 +1000

James

Peter Hillcoat signed for the 2009 EAPs (18/09/09) and Cathy Wilson signed for the 2009 Wivenhoe and Somerset Dam Operational Procedures for Flood Mitigation (21/01/10).

Terry

From: James Charalambous [mailto:[REDACTED]]
Sent: Friday, 22 October 2010 3:09 PM
To: John Tibaldi; Terry Malone
Cc: Carroll, Don; Caswell, Evan; Grant, Madeleine; Morris, Ken; Rob Drury
Subject: SEQ Water - Gold Folder Request

Hi John/Terry,

It appears we have the emergency action plans for Wivenhoe, Somerset and a number of other dams in SEQ (ie the red folders)

Unfortunately we do not have any gold folders (manual of operations procedures). Can we please request another complete copy of the gold folders.

Also for future reference any new updates for the 'red' and 'gold' folders be directed to Madeleine Grant (our knowledge centre information officer) email attached.

Thank-you.

Kind Regards
JamesC.

This message has passed through an insecure network.
Please direct all enquiries to the message author.

-----Safe Stamp-----
Your Anti-virus Service scanned this email. It is safe from known viruses.
For more information regarding this service, please contact your service
provider.

Important information: This email and any attached information is intended only for the
addressee and may contain confidential and/or privileged information. If you are not the
addressee, you are notified that any transmission, distribution, or other use of this information is
strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by
reasons of mistaken delivery to you. If you have received this email in error please contact the
sender immediately and delete the material from your email system. QLD Bulk Water Supply
Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

RE: Friday Morning 29/10 - Technical Capability Meeting

From: Terry Malone [REDACTED]
 To: James Charalambous [REDACTED], "Baddiley, Peter"
 [REDACTED], "Carroll, Don" [REDACTED], "Caswell, Evan"
 [REDACTED] John
 Tibaldi [REDACTED], "Morris, Ken" [REDACTED]
 [REDACTED], Rob Drury [REDACTED]
 Cc: "Lavin, Chris" [REDACTED] "Scroope, Greg"
 [REDACTED]
 Date: Mon, 25 Oct 2010 08:56:45 +1000

Gents

Seqwater would to submit this as a proposal for discussion at this Friday's meeting:

Relationships with external agencies during flood events when water is released from Wivenhoe Dam.

1. Seqwater will contact Bureau of Meteorology (BOM), Somerset Regional Council (SRC), Ipswich City Council (ICC) and Brisbane City Council (BCC), Disaster Management Duty Officer, by phone when the Flood Operations Centre (FOC) is mobilised. It is understood that BCC Disaster Management Duty Officer will advise BCC Flood Information Centre (FIC) Duty Officer to establish an officer-to-officer technical relationship with the FOC.
2. Seqwater will not contact ICC or BCC Councils unless releases are expected from Wivenhoe.
3. Seqwater may contact SRC if the expected flood impact is limited to areas upstream of Wivenhoe.
4. Seqwater will advise Councils when it is expected that a combination of local runoff and releases from Wivenhoe will result in the following flows being reached or exceeded:

Trigger	Impact	Deck	Agency to	Comment
---------	--------	------	-----------	---------

		Level	Advise	
Mid Brisbane >50 m3/s	Twin Bridges	20.0	SRC	Seqwater will advise of likely impact
Mid Brisbane >130 m3/s	Savages Crossing		SRC	Seqwater will advise of likely impact
Mid Brisbane >175 m3/s	Colleges Crossing		ICC	Seqwater will advise of likely impact
Mid Brisbane >430 m3/s	Burtens Bridge	19.6	SRC	Seqwater will advise of likely impact
Mid Brisbane >550 m3/s	Kholo Bridge	11.9	ICC	Seqwater will advise of likely impact
Mid Brisbane >1,000 m3/s	Minor Flood Level Savages Crossing		BOM	Seqwater and BOM to discuss flows Seqwater will provide actual and projected Wivenhoe releases to BOM
Mid Brisbane >1,900 m3/s	Mt Crosby Weir Bridge	12.4	ICC	Seqwater will advise of likely impact
Mid Brisbane >2,000 m3/s	Fernvale bridge	33.8	SRC	Seqwater will advise of likely impact
Lower Brisbane >3,500 m3/s	Threshold of urban damage in BCC		BOM, BCC FIC	Seqwater, BOM and BCC FIC to discuss flows

5. At the first instance of the expectation of the trigger, contact by Seqwater will be by phone, thereafter advice will be via email.
6. Seqwater will provide daily email advice of the status to SRC, ICC, BOM and BCC when Mid Brisbane flows are expected to reach or exceed 130 m3/s.
7. Seqwater will provide twice daily email advice of the status to SRC, ICC, BOM and BCC when Mid Brisbane flows are expected to reach or exceed 550 m3/s.

8. Nominated Councils officers are invited to contact the Flood Operations Centre for technical discussions at any time after mobilisation.
9. Seqwater will advise when the FOC is demobilised.
10. In the event of email failure, contact will be by phone, if possible.

Items for further discussion

Will Seqwater provide actual and projected Wivenhoe releases to Councils?

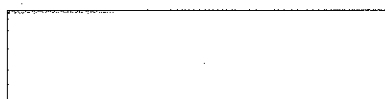
What are the triggers for phone contact to BCC FIC?

Regards

Terry Malone

Principal Hydrologist

Queensland Bulk Water Supply Authority *trading as Seqwater*



Level 3, 240 Margaret St, Brisbane City QLD 4000 Australia
PO Box 16146, City East QLD 4002



From: James Charalambous [REDACTED]
Sent: Friday, 22 October 2010 3:01 PM
To: Baddiley, Peter; Carroll, Don; Caswell, Evan; Charalambous, James; [REDACTED]
 [REDACTED] John Tibaldi; Morris, Ken; [REDACTED] Rob Drury; Terry Malone
Cc: Lavin, Chris; Scroope, Greg
Subject: Friday Morning 29/10 - Technical Capability Meeting

As per our discussions today:

SEQWater/BOM/BCC have agreed to reconvene next Friday 29/10/2010

Time: 8:45 am to 12:30pm.

Location: Green Square Level 2 (GSQ-L2A-4-10p)

Agenda as follows:

1. Open discussion on communication between agencies, processing of information and data
2. Suggestions or improvements to current systems/processes

Morning tea (10am) and lunch (12-12:30pm) will be provided.

The meeting will follow on from today's discussion (meeting notes attached).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

-----Safe Stamp-----
Your Anti-virus Service scanned this email. It is safe from known viruses.
For more information regarding this service, please contact your service provider.

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Friday Morning 29/10 - Technical Capability Meeting Reminder

From: James Charalambous <[REDACTED]>
 To: "Baddiley, Peter" [REDACTED], "Carroll, Don" [REDACTED]
 "Caswell, Evan" [REDACTED] "Charalambous, James"
 [REDACTED] "Morris, Ken" <[REDACTED]>
 Cc: "Lavin, Chris" [REDACTED] "Scroope, Greg"
 Date: Thu, 28 Oct 2010 15:31:29 +1000

Just a reminder for meeting tomorrow:

Time: 8:45 am to 12:30pm.

Location: Green Square Level 2 (GSQ-L2A-4-10p)

Agenda as follows:

1. Open discussion on communication between agencies, processing of information and data
2. Suggestions or improvements to current systems/processes

Morning tea (10am) and lunch (12-12:30pm) will be provided.

The meeting notes from last's weeks meeting are attached and email from SEQ Water outlining trigger levels.

[No Subject]

Brisbane River Storm Event

1. Rain in Brisbane
2. SEQ water contacts LDCC
3. Decision on action

Brisbane River Flood Event

1. May or may not mobilise FOC
2. If FOC mobilised 24x7 ops
3. FOC contacts (telephones) duty officer at BCC Disaster Management and the BOM, starts providing releases estimates to the BOM
4. BCC DM duty officer contacts FIC, FIC stands up, LDCC advises SEQ Water to direct future comms to FIC
5. FIC contacts BOM, advises that FIC will stand up, then seeks to access flood height estimates from the BOM's modelling
6. What are the triggers for SEQ Water to provide release advice directly to FIC?
7. The possibility of a telephone conference between all three agencies at a significant level of flooding? Again what is the trigger for such a conversation (i.e. 3500m³/s or less??) Triggers for media release may be different for each agency.
8. What is the minor flood level for Brisbane?

RE: Friday Morning 29/10 - Technical Capability Meeting

From: Terry Malone <[REDACTED]>
To: James Charalambous <[REDACTED]>, "Baddiley, Peter"
 [REDACTED], "Carroll, Don" [REDACTED], "Caswell, Evan"
 [REDACTED] John
 Tibaldi <[REDACTED]>, "Morris, Ken" <[REDACTED]>
 [REDACTED] Rob Drury <[REDACTED]>
Cc: "Lavin, Chris" <[REDACTED]>, "Scroope, Greg"
 [REDACTED]
Date: Mon, 25 Oct 2010 08:56:45 +1000

Gents

Seqwater would to submit this as a proposal for discussion at this Friday's meeting:

Relationships with external agencies during flood events when water is released from Wivenhoe Dam.

1. Seqwater will contact Bureau of Meteorology (BOM), Somerset Regional Council (SRC), Ipswich City Council (ICC) and Brisbane City Council (BCC), Disaster Management Duty Officer, by phone when the Flood Operations Centre (FOC) is mobilised. It is understood that BCC Disaster Management Duty Officer will advise BCC Flood Information Centre (FIC) Duty Officer to establish an officer-to-officer technical relationship with the FOC.
2. Seqwater will not contact ICC or BCC Councils unless releases are expected from Wivenhoe.
3. Seqwater may contact SRC if the expected flood impact is limited to areas upstream of Wivenhoe.
4. Seqwater will advise Councils when it is expected that a combination of local runoff and releases from Wivenhoe will result in the following flows being reached or exceeded:

Trigger	Impact	Deck	Agency to	Comment
---------	--------	------	-----------	---------

		Level	Advise	
Mid Brisbane >50 m3/s	Twin Bridges	20.0	SRC	Seqwater will advise of likely impact
Mid Brisbane >130 m3/s	Savages Crossing		SRC	Seqwater will advise of likely impact
Mid Brisbane >175 m3/s	Colleges Crossing		ICC	Seqwater will advise of likely impact
Mid Brisbane >430 m3/s	Burtons Bridge	19.6	SRC	Seqwater will advise of likely impact
Mid Brisbane >550 m3/s	Kholo Bridge	11.9	ICC	Seqwater will advise of likely impact
Mid Brisbane >1,000 m3/s	Minor Flood Level Savages Crossing		BOM	Seqwater and BOM to discuss flows Seqwater will provide actual and projected Wivenhoe releases to BOM
Mid Brisbane >1,900 m3/s	Mt Crosby Weir Bridge	12.4	ICC	Seqwater will advise of likely impact
Mid Brisbane >2,000 m3/s	Fernvale bridge	33.8	SRC	Seqwater will advise of likely impact
Lower Brisbane >3,500 m3/s	Threshold of urban damage in BCC		BOM, BCC FIC	Seqwater, BOM and BCC FIC to discuss flows

5. At the first instance of the expectation of the trigger, contact by Seqwater will be by phone, thereafter advice will be via email.
6. Seqwater will provide daily email advice of the status to SRC, ICC, BOM and BCC when Mid Brisbane flows are expected to reach or exceed 130 m3/s.
7. Seqwater will provide twice daily email advice of the status to SRC, ICC, BOM and BCC when Mid Brisbane flows are expected to reach or exceed 550 m3/s.

8. Nominated Councils officers are invited to contact the Flood Operations Centre for technical discussions at any time after mobilisation.
9. Seqwater will advise when the FOC is demobilised.
10. In the event of email failure, contact will be by phone, if possible.

Items for further discussion

Will Seqwater provide actual and projected Wivenhoe releases to Councils?

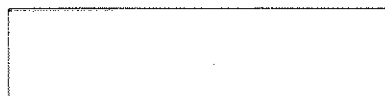
What are the triggers for phone contact to BCC FIC?

Regards

Terry Malone

Principal Hydrologist

Queensland Bulk Water Supply Authority *trading as Seqwater*



Level 3, 240 Margaret St, Brisbane City QLD 4000 Australia
PO Box 16146, City East QLD 4002

From: James Charalambous [REDACTED]
Sent: Friday, 22 October 2010 3:01 PM
To: Baddiley, Peter; Carroll, Don; Caswell, Evan; Charalambous, James; [REDACTED]
 [REDACTED] John Tibaldi; Morris, Ken; [REDACTED] Rob Drury; Terry Malone
Cc: Lavin, Chris; Scroope, Greg
Subject: Friday Morning 29/10 - Technical Capability Meeting

As per our discussions today:

SEQWater/BOM/BCC have agreed to reconvene next Friday 29/10/2010

Time: 8:45 am to 12:30pm.

Location: Green Square Level 2 (GSQ-L2A-4-10p)

Agenda as follows:

1. Open discussion on communication between agencies, processing of information and data
2. Suggestions or improvements to current systems/processes

Morning tea (10am) and lunch (12-12:30pm) will be provided.

The meeting will follow on from today's discussion (meeting notes attached).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

-----Safe Stamp-----
Your Anti-virus Service scanned this email. It is safe from known viruses.
For more information regarding this service, please contact your service provider.

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Brisbane City Gauge (water level) [SEC=UNCLASSIFIED]

From: Peter Baddiley [REDACTED]
 To: "Caswell, Evan" [REDACTED] "Carroll, Don"
 Cc: "Morris, Ken" <[REDACTED]>, James Charalambous
 [REDACTED] Terry
 Malone [REDACTED]
 Date: Fri, 12 Nov 2010 09:08:39 +1000

Evan

cc Terry Malone, Seqwater

Further to our recent discussions on the Brisbane City gauge (water level), I thought it would be useful to summarise the current status and possible actions:

1. Background

There are two sites which provide water level readings as follows:

Brisbane City TM (where TM indicates telemeter)

- * Bureau number 040690; AWRC No 143919
- * Longterm historical reference gauge site (site of Port Office readings for historical floods)
- * Equipment located at bottom end of Edward Street in Stamford Plaza
- * Gauge zero is 0.0m AHD
- * Fully owned & operated by Maritime Safety Qld (no involvement of BoM, BCC or Seqwater)
- * Sensor is gas bubbler (I think) and Mace logger (should be relatively accurate at tide/low stage; accuracy over flood range/high stage not known)
- * Relies on telephone communication, with polling by BoM
- * No known staff gauges for manual check readings (although MSQ may have a low level water/tide board)

Brisbane City AL (where AL indicates ALERT)

- * Bureau number 540198; AWRC No 143838
- * Established June 1992
- * Equipment located in CT White Park, bottom end of Scott Street, near Thornton St ferry
- * Gauge zero is 0.0m AHD
- * ALERT equipment fully owned & operated by Seqwater (with some maintenance subcontracted to DMR Roadtek)
- * Sensor is wet pressure transmitter (I think) and ALERT equipment (calibration accuracy over range not known - need Seqwater to comment)
- * Relies on ALERT VHF radio comms
- * BoM installed staff gauges, range 2-11 metres, at Thornton St ferry and in park.

2. Current status

Brisbane City TM

- * Fully functional but relies on MSQ

* Some comment from MSQ in the past that they may wish to discontinue this site. BoM would presumably offer to own/maintain in this case. BoM will followup with MSQ.

* BoM may explore options to install ALERT equipment at this site but this will not be in place for this summer. There would probably be difficulties locating an antenna and securing a radio path.

Brisbane City AL

* Seqwater currently arranging maintenance for damage sustained to sensor line. (Still operating, but reading about 0.3m too high.)

* Manual 4-5m gauge board is missing. BoM will arrange replacement asap.

3. Issues and action for BCC consideration

3.1 Neither station has known accuracy at high stage. BoM will make enquiries with MSQ re Brisbane City TM. Seqwater may be able to provide calibration report for Brisbane City AL.

3.2 There is likely to be a difference in readings from the two sites, especially at high stage due to their cross-bank positioning (flood slope, super-elevation etc). If the difference is significant, during a flood, BoM, BCC and Seqwater will need to decide on which readings are to be given to the public, either both or restricted to one site.

3.3 Check manual readings will need to be taken from the Brisbane City AL staff gauges during a flood. At this stage, this can only be done for floods exceeding 2 metres, although maybe Seqwater have installed a water/tide board?. BCC may wish to have the ability to take lower readings (less than 2 metres) ? In any case, BoM would seek BCC assistance to undertake regular check readings during a flood.

3.4 I believe there is a need for some form of manual flood level readings, especially for high stage, at the Port Office site, for the purposes of accuracy check of the MSQ gauge and for redundancy should the automatic equipment or phone line fail. I think BCC would be the agency to undertake manual readings.

In the 1970s and 1980s, there were staff gauges (one metre gauge boards) along Edward Street back towards the city to allow for manual readings to be easily taken during floods. These no longer exist. BCC should consider reinstating some form of staff gauges, or alternatively, have clear procedures/bench marks in place for surveyors to quickly take readings during floods.

3.5 Rationalisation of the ownership & operation/maintenance of these stations needs to be discussed between BoM/BCC/Seqwater/MSQ but existing arrangements are unlikely to change for this wet season.

Happy to clarify further as needed.

Regards, peter

Peter Baddiley

Regional Hydrology Manager

Climate & Water Division

Bureau of Meteorology

Level 21, 69 Ann Street

GPO Box 413, BRISBANE, QLD, AUSTRALIA 4001

Phone [REDACTED]

EMAIL [REDACTED]

WWW : www.bom.gov.au

This message has passed through an insecure network.
Please direct all enquiries to the message author.



Impact of Wivenhoe Releases on water levels in the Lower Brisbane River

From: Duty Engineer <[REDACTED]>
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED] Evan Caswell [REDACTED]
 James Charalambous [REDACTED], Ken Morris
 [REDACTED] Robert McGlinn <[REDACTED]>
 Santina Pennisi [REDACTED]
 Cc: Rob Drury [REDACTED] Mike Foster [REDACTED] Paul Bird
 [REDACTED]
 Date: Fri, 07 Jan 2011 15:09:01 +1000

Conversations have just taken place between BCC, Seqwater and BoM re impact of flows in the lower Brisbane R

Seqwater and BoM concur that a flow of a 1,500m³/s in the lower Brisbane R will only add about 50mm to the expected water levels in the City Reach on the recorded high tides. This has been demonstrated by a comparison of the recorded water levels at Whyte Is and Brisbane City gauges during periods of no flow and periods of higher flows in the last few months.

However, it should be noted that this impact varies during the tidal cycle and is more pronounced on the low tide level than the high tide level.

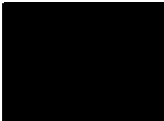
It is recognized that current recorded high tide levels are 0.4 to 0.5 metres higher than predicted tides due to atmospheric conditions.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: [REDACTED]

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 1800 Friday 07/01/2011

From: Duty Engineer [REDACTED]
 To: David Roberts [REDACTED]
 [REDACTED]
 Rohan Thorogood [REDACTED]
 [REDACTED] Al Navaruk [REDACTED] Bill Stephens
 [REDACTED] David Pokarier [REDACTED] John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED] Nev Ablitt [REDACTED]
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam
 Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
 Deb Chandler [REDACTED] Mailbox [REDACTED] Tony
 Trace [REDACTED] Chris Lavin [REDACTED] Craig
 Logan [REDACTED] Don Carroll [REDACTED]
 Evan Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Fri, 07 Jan 2011 17:56:38 +1000

Rainfall

Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 15-50mm with higher falls along the coast

Sunday: Widespread rain with totals between 50-100mm

Monday: Widespread rain again with totals between 50-100mm

Tuesday: Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday

North Pine (Full Supply Level 39.60 m AHD)

At 1700 Friday, North Pine currently has 5 gates open releasing runoff from rain on Wed/Thursday. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Youngs Crossing will remain adversely impacted for the duration of the gates being open. Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 1700 Friday, Somerset Dam level was 100.04m AHD and rising steadily with one regulator open 100%. However, as the Wivenhoe headwater level is rising and may impact upon the operation of the regulator, this will be closed in the next few hours and a sluice gate opened. However, this strategy may need to be reviewed if significant runoff occurs in the Stanley and Upper Brisbane. Under circumstances of high inflows to Somerset and Wivenhoe, it is the usual practice to hold flood water in Somerset until there is a high level of confidence in the estimated inflows to Wivenhoe.

Since the commencement of the event on 02/01/2011, approximately 55,000ML has flowed into Somerset Dam with a further 25,000ML expected based on the recorded rainfall to date. Approximately 16,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1700 Friday, Wivenhoe Dam was 68.10 m AHD and rising steadily with one gate open to 1.5 metres and releasing about 168m³/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam. It is intended to ramp up the release from Wivenhoe to about 1,200m³/s during

the next 18 hours. However, given the high likelihood of significant inflows in the next week, this may be increased later on the weekend.

Since the commencement of the event on 02/01/2011, approximately 140,000ML has flowed into Wivenhoe Dam with a further 160,000ML expected (including Somerset release) based on the recorded rainfall to date. Approximately 24,000ML has been released from Wivenhoe via the hydro and regulator at about 50m³/s

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,200m³/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected.

Discussions were held with Brisbane City Council and BoM with all agencies agreeing that the combined flow in the lower Brisbane R will only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Leslie Harrison

Given its proximity to the coast Leslie Harrison is likely to be most impacted by the forecast rain over the next 4 days.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Rachael Lindsay - Situation Report 1800 Friday 07/01/2011

From: "Duty Engineer" <[REDACTED]>
To: "David Roberts" <[REDACTED]>, "Paul Bird" <[REDACTED]>, "Rohan Thorogood" <[REDACTED]>, "Al Navaruk" <[REDACTED]>, "Bill Stephens" <[REDACTED]>, "David Pokarier" <[REDACTED]>, "John West" <[REDACTED]>, "Lou van Blerk" <[REDACTED]>, "Mark Tan" <[REDACTED]>, "Nev Ablitt" <[REDACTED]>, "Glenn Patterson" <[REDACTED]>, "Murray Dunstan" <[REDACTED]>, "Rob Gorian" <[REDACTED]>, "Doug Grigg" <[REDACTED]>, "Graham Francis" <[REDACTED]>, "Jayam Tennakoon" <[REDACTED]>, "Matthew O'Reilly" <[REDACTED]>, "Deb Chandler" <[REDACTED]>, "Mailbox" <[REDACTED]>, "Tony Trace" <[REDACTED]>, "Chris Lavin" <[REDACTED]>, "Craig Logan" <[REDACTED]>, "Don Carroll" <[REDACTED]>, "Evan Caswell" <[REDACTED]>, "James Charalambous" <[REDACTED]>, "Ken Morris" <[REDACTED]>, "Robert McGlinn" <[REDACTED]>, "Santina Pennisi" <[REDACTED]>

Date: 7 January 2011 5:57:05 pm
Subject: Situation Report 1800 Friday 07/01/2011

Rainfall

Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 15-50mm with higher falls along the coast
 Sunday: Widespread rain with totals between 50-100mm
 Monday: Widespread rain again with totals between 50-100mm
 Tuesday: Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday

North Pine (Full Supply Level 39.60 m AHD)

At 1700 Friday, North Pine currently has 5 gates open releasing runoff from rain on Wed/Thursday. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Youngs Crossing will remain adversely impacted for the duration of the gates being open. Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 1700 Friday, Somerset Dam level was 100.04m AHD and rising steadily with one regulator open 100%. However, as the Wivenhoe headwater level is rising and may impact upon the operation of the regulator, this will be closed in the next few hours and a sluice gate opened. However, this strategy may need to be reviewed if significant runoff occurs in the Stanley and Upper Brisbane. Under circumstances of high inflows to Somerset and Wivenhoe, it is the usual practice to hold flood water in Somerset until there is a high level of confidence in the estimated inflows to Wivenhoe.

Since the commencement of the event on 02/01/2011, approximately 55,000ML has flowed into Somerset Dam with a further 25,000ML expected based on the recorded rainfall to date. Approximately 16,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1700 Friday, Wivenhoe Dam was 68.10 m AHD and rising steadily with one gate open to 1.5 metres and releasing about 168m³/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam. It is intended to ramp up the release from Wivenhoe to about 1,200m³/s during the next 18 hours. However, given the high likelihood of significant inflows in the next week, this may be increased later on the weekend.

Since the commencement of the event on 02/01/2011, approximately 140,000ML has flowed into Wivenhoe Dam with a further 160,000ML expected (including Somerset release) based on the recorded rainfall to date. Approximately 24,000ML has been released from Wivenhoe via the hydro and regulator at about 50m³/s.

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,200m³/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected.

Discussions were held with Brisbane City Council and BoM with all agencies agreeing that the combined flow in the lower Brisbane R will only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

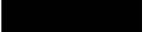
Leslie Harrison

Given its proximity to the coast Leslie Harrison is likely to be most impacted by the forecast rain over the next 4 days.

Terry Malone

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 0600 Saturday 08/01/2011

From: Duty Engineer [REDACTED]
 To: Duty Engineer [REDACTED], David Roberts <[REDACTED]>
 [REDACTED] Paul Bird <[REDACTED]>
 [REDACTED] Rohan Thorogood <[REDACTED]>
 [REDACTED] Al Navaruk
 [REDACTED] Bill Stephens <[REDACTED]>, David
 Pokarier <[REDACTED]>, John West <[REDACTED]>, Lou van
 Blerk <[REDACTED]>, Mark Tan <[REDACTED]>, Nev Ablitt
 [REDACTED]
 [REDACTED] Glenn
 Patterson <[REDACTED]>, Murray Dunstan
 [REDACTED] Rob Gorian <[REDACTED]>
 [REDACTED] Doug Grigg <[REDACTED]>
 [REDACTED] Graham Francis <[REDACTED]>, Jayam
 Tennakoon <[REDACTED]>, Matthew O'Reilly <[REDACTED]>
 Deb Chandler <[REDACTED]>, Mailbox <[REDACTED]>, Tony
 Trace <[REDACTED]>, Chris Lavin <[REDACTED]>, Craig
 Logan <[REDACTED]>, Don Carroll <[REDACTED]>
 Evan Caswell <[REDACTED]>, James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn <[REDACTED]>, Santina Pennisi
 [REDACTED]

Date: Sat, 08 Jan 2011 06:31:59 +1000

Rainfall

Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R. No significant rain has fallen in the past 12 hours.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 5-50mm with higher falls along the coast
 Sunday: Widespread rain with totals between 50-100mm
 Monday: Widespread rain again with totals between 50-100mm
 Tuesday: Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday

North Pine (Full Supply Level 39.60 m AHD)

At 0600 Saturday, North Pine Lake Level was 39.46 m AHD and slowly rising. Currently 3 gates are open to release runoff from rain on Wed/Thursday/Friday. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Youngs Crossing will remain adversely impacted for the duration of the gates being open. Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 0500 Saturday, Somerset Dam level was 100.42m AHD and rising. The Dam is releasing into Wivenhoe through one open sluice gate. Water will be temporarily held in Somerset to allow the inflow from the upper Brisbane to be passed through the system. However, this strategy may need to be reviewed if significant runoff occurs in the Stanley and Upper Brisbane. Under circumstances of high inflows to Somerset and Wivenhoe, it is the usual practice to hold flood water in Somerset until there is a high level of confidence in the estimated inflows to Wivenhoe.

Since the commencement of the event on 02/01/2011, approximately 85,000ML has flowed into Somerset Dam with a further 20,000ML expected based on the recorded rainfall to date. Approximately 25,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 0600 Saturday, Wivenhoe Dam was 68.45 m AHD and rising steadily with all five gates open and releasing about 890 m³/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam. It is intended to ramp up the release from Wivenhoe to 1,200m³/s by midday Saturday.

08/01/2011. Further assessments will be undertaken to determine increases above this level. However, given the high likelihood of significant inflows in the next week, this may be increased.

Since the commencement of the event on 02/01/2011, approximately 200,000ML has flowed into Wivenhoe Dam (including Somerset releases) with a further 180,000ML expected based on the recorded rainfall to date. Approximately 50,000ML has been released from Wivenhoe via the hydro and regulator at about 50m³/s.

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,200m³/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected but they could potentially be affected if the predicted rainfall totals eventuate.

The current available assessments indicate that the combined flow in the lower Brisbane R would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane Rive. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

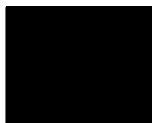
John Ruffini

Duty Engineer

Flood Operations Centre

Phone: [REDACTED]

Fax:



Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Status Report at 12:00 on Saturday 8 January 2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED]
 Rohan Thorogood [REDACTED]
 [REDACTED] Al Navaruk [REDACTED] Bill Stephens
 [REDACTED], David Pokarier [REDACTED], John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED], Nev Ablitt [REDACTED]
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED], Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED], Jayam
 Tennakoon [REDACTED], Matthew O'Reilly [REDACTED]
Cc: Deb Chandler [REDACTED], Mailbox [REDACTED], Chris
 Lavin [REDACTED], Craig Logan [REDACTED], Don
 Carroll [REDACTED], Evan Caswell
 [REDACTED], James Charalambous
 [REDACTED], Ken Morris [REDACTED]
 Robert McGlinn [REDACTED], Santina Pennisi
 [REDACTED] Tony Trace [REDACTED]
Date: Sat, 08 Jan 2011 12:15:33 +1000

Rainfall

No significant rain has fallen over the dam catchments in the past 18 hours.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

Saturday: Rain light at times 5-50mm with higher falls along the coast
 Sunday: Widespread rain with totals between 50-100mm
 Monday: Widespread rain again with totals between 50-100mm
 Tuesday: Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday.

North Pine (Full Supply Level 39.60 m AHD)

At 1200 Saturday, North Pine Lake Level was 39.46 m AHD and is steady. Currently 2 gates are open to release runoff generated from rainfall over the last three days. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Lake Kurwongbah spillway flows are also contributing to the adverse impacts experienced at Youngs Crossing

Youngs Crossing will remain adversely impacted for the duration of the gates being open.

Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

At 1000 Saturday, Somerset Dam level peaked at 100.47m AHD and is now slowly falling. At 1200 it is now 100.45m. Somerset Dam is releasing into Wivenhoe through two open sluice gates and over the fixed crest at a rate of about 415 m³/s.

Since the commencement of the event on 02/01/2011, approximately 91,000ML has flowed into Somerset Dam with a further 20,000ML expected based on the recorded rainfall to date. Approximately 29,000ML has been released into Wivenhoe

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1200 Saturday, Wivenhoe Dam was 68.60 m AHD and rising steadily with all five gates open and releasing about 1,150 m³/s. River levels upstream of Wivenhoe Dam have peaked and are now receding. However the further inflows into the dam has led to elevated levels. It is intended to increase the release from Wivenhoe to 1,250 m³/s by 14:00 on Saturday 08/01/2011. This will maintain flows of up to 1,600 m³/s in the mid-Brisbane River throughout the afternoon.

Further assessments will be undertaken to determine increases above this level given the high likelihood of significant inflows in the next few days. The interaction with runoff from the Bremer River and Warrill Creek catchment will also be assessed to determine an appropriate release strategy. Projections based upon the forecast rainfalls suggest flows of up to 1,200 m³/s will emanate from the Bremer River catchment.

Since the commencement of the event on 02/01/2011, approximately 202,000ML has flowed into Wivenhoe Dam (including Somerset releases) with a further 210,000ML expected based on the recorded rainfall to date. Approximately 66,000ML has been released from Wivenhoe via the radial gates, hydro and regulator.

Impacts downstream of Wivenhoe

The projected Wivenhoe release of 1,250m³/s and combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but they could potentially be affected if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

The current available assessments indicate that the combined flow in the lower Brisbane River would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides. The tide level at the Port Office Gauge at 1200 Saturday was 1.56 m and rising.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Projected Releases - Wivenhoe Dam at 1500 on Saturday 8 January 2011

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Sat, 08 Jan 2011 14:57:52 +1000

Please find attached a copy of the projected release for Wivenhoe Dam based upon our current strategy. This will be subject to change if the forecast rainfall occurs.

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual

03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual

05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual

07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	167	Actual
07/01/2011 18:00:00	217	Actual
07/01/2011 19:00:00	266	Actual
07/01/2011 20:00:00	315	Actual
07/01/2011 21:00:00	362	Actual
07/01/2011 22:00:00	415	Actual
07/01/2011 23:00:00	467	Actual
08/01/2011 00:00:00	520	Actual
08/01/2011 01:00:00	573	Actual
08/01/2011 02:00:00	626	Actual
08/01/2011 03:00:00	679	Actual
08/01/2011 04:00:00	732	Actual
08/01/2011 05:00:00	785	Actual
08/01/2011 06:00:00	838	Actual
08/01/2011 07:00:00	892	Actual
08/01/2011 08:00:00	940	Actual
08/01/2011 09:00:00	992	Actual
08/01/2011 10:00:00	1044	Actual
08/01/2011 11:00:00	1097	Actual
08/01/2011 12:00:00	1150	Actual
08/01/2011 13:00:00	1201	Actual
08/01/2011 14:00:00	1252	Actual
08/01/2011 15:00:00	1253	Projected
08/01/2011 16:00:00	1253	Projected
08/01/2011 17:00:00	1254	Projected
08/01/2011 18:00:00	1254	Projected
08/01/2011 19:00:00	1254	Projected

08/01/2011 20:00:00	1254	Projected
08/01/2011 21:00:00	1254	Projected
08/01/2011 22:00:00	1254	Projected
08/01/2011 23:00:00	1300	Projected
09/01/2011 00:00:00	1299	Projected
09/01/2011 01:00:00	1299	Projected
09/01/2011 02:00:00	1298	Projected
09/01/2011 03:00:00	1298	Projected
09/01/2011 04:00:00	1349	Projected
09/01/2011 05:00:00	1348	Projected
09/01/2011 06:00:00	1347	Projected
09/01/2011 07:00:00	1346	Projected
09/01/2011 08:00:00	1345	Projected
09/01/2011 09:00:00	1344	Projected
09/01/2011 10:00:00	1343	Projected
09/01/2011 11:00:00	1393	Projected
09/01/2011 12:00:00	1392	Projected
09/01/2011 13:00:00	1391	Projected
09/01/2011 14:00:00	1390	Projected
09/01/2011 15:00:00	1388	Projected
09/01/2011 16:00:00	1387	Projected
09/01/2011 17:00:00	1386	Projected
09/01/2011 18:00:00	1434	Projected
09/01/2011 19:00:00	1432	Projected
09/01/2011 20:00:00	1431	Projected
09/01/2011 21:00:00	1429	Projected
09/01/2011 22:00:00	1427	Projected
09/01/2011 23:00:00	1426	Projected
10/01/2011 00:00:00	1424	Projected
10/01/2011 01:00:00	1472	Projected
10/01/2011 02:00:00	1470	Projected
10/01/2011 03:00:00	1468	Projected
10/01/2011 04:00:00	1466	Projected
10/01/2011 05:00:00	1464	Projected
10/01/2011 06:00:00	1462	Projected
10/01/2011 07:00:00	1460	Projected
10/01/2011 08:00:00	1458	Projected
10/01/2011 09:00:00	1456	Projected
10/01/2011 10:00:00	1454	Projected
10/01/2011 11:00:00	1452	Projected
10/01/2011 12:00:00	1450	Projected
10/01/2011 13:00:00	1448	Projected
10/01/2011 14:00:00	1445	Projected

10/01/2011 15:00:00	1442	Projected
10/01/2011 16:00:00	1440	Projected
10/01/2011 17:00:00	1389	Projected
10/01/2011 18:00:00	1339	Projected
10/01/2011 19:00:00	1336	Projected
10/01/2011 20:00:00	1285	Projected
10/01/2011 21:00:00	1234	Projected
10/01/2011 22:00:00	1189	Projected
10/01/2011 23:00:00	1140	Projected
11/01/2011 00:00:00	1138	Projected
11/01/2011 01:00:00	1089	Projected
11/01/2011 02:00:00	1038	Projected
11/01/2011 03:00:00	987	Projected
11/01/2011 04:00:00	938	Projected
11/01/2011 05:00:00	936	Projected
11/01/2011 06:00:00	887	Projected
11/01/2011 07:00:00	836	Projected
11/01/2011 08:00:00	786	Projected
11/01/2011 09:00:00	736	Projected
11/01/2011 10:00:00	735	Projected
11/01/2011 11:00:00	685	Projected
11/01/2011 12:00:00	635	Projected
11/01/2011 13:00:00	585	Projected
11/01/2011 14:00:00	535	Projected
11/01/2011 15:00:00	535	Projected
11/01/2011 16:00:00	485	Projected
11/01/2011 17:00:00	442	Projected
11/01/2011 18:00:00	393	Projected
11/01/2011 19:00:00	343	Projected
11/01/2011 20:00:00	343	Projected
11/01/2011 21:00:00	299	Projected
11/01/2011 22:00:00	254	Projected
11/01/2011 23:00:00	207	Projected
12/01/2011 00:00:00	160	Projected
12/01/2011 01:00:00	160	Projected
12/01/2011 02:00:00	111	Projected
12/01/2011 03:00:00	62	Projected
12/01/2011 04:00:00	13	Projected
12/01/2011 05:00:00	13	Projected
12/01/2011 06:00:00	13	Projected
12/01/2011 07:00:00	13	Projected
12/01/2011 08:00:00	13	Projected
12/01/2011 09:00:00	13	Projected

12/01/2011 10:00:00	13	Projected
12/01/2011 11:00:00	13	Projected
12/01/2011 12:00:00	13	Projected
12/01/2011 13:00:00	13	Projected
12/01/2011 14:00:00	13	Projected
12/01/2011 15:00:00	13	Projected
12/01/2011 16:00:00	13	Projected
12/01/2011 17:00:00	13	Projected
12/01/2011 18:00:00	13	Projected
12/01/2011 19:00:00	13	Projected
12/01/2011 20:00:00	13	Projected
12/01/2011 21:00:00	13	Projected
12/01/2011 22:00:00	13	Projected
12/01/2011 23:00:00	13	Projected
13/01/2011 00:00:00	13	Projected
13/01/2011 01:00:00	13	Projected
13/01/2011 02:00:00	13	Projected
13/01/2011 03:00:00	13	Projected
13/01/2011 04:00:00	13	Projected
13/01/2011 05:00:00	13	Projected
13/01/2011 06:00:00	13	Projected
13/01/2011 07:00:00	13	Projected
13/01/2011 08:00:00	13	Projected
13/01/2011 09:00:00	13	Projected
13/01/2011 10:00:00	13	Projected
13/01/2011 11:00:00	13	Projected
13/01/2011 12:00:00	13	Projected
13/01/2011 13:00:00	13	Projected
13/01/2011 14:00:00	13	Projected
13/01/2011 15:00:00	13	Projected
13/01/2011 16:00:00	13	Projected
13/01/2011 17:00:00	13	Projected
13/01/2011 18:00:00	13	Projected
13/01/2011 19:00:00	13	Projected
13/01/2011 20:00:00	13	Projected
13/01/2011 21:00:00	13	Projected
13/01/2011 22:00:00	13	Projected
13/01/2011 23:00:00	13	Projected
14/01/2011 00:00:00	13	Projected
14/01/2011 01:00:00	13	Projected
14/01/2011 02:00:00	13	Projected
14/01/2011 03:00:00	13	Projected
14/01/2011 04:00:00	13	Projected

14/01/2011 05:00:00	13	Projected
14/01/2011 06:00:00	13	Projected
14/01/2011 07:00:00	13	Projected
14/01/2011 08:00:00	13	Projected
14/01/2011 09:00:00	13	Projected
14/01/2011 10:00:00	13	Projected
14/01/2011 11:00:00	13	Projected
14/01/2011 12:00:00	13	Projected
14/01/2011 13:00:00	13	Projected
14/01/2011 14:00:00	13	Projected
14/01/2011 15:00:00	13	Projected
14/01/2011 16:00:00	13	Projected
14/01/2011 17:00:00	13	Projected
14/01/2011 18:00:00	13	Projected
14/01/2011 19:00:00	13	Projected
14/01/2011 20:00:00	13	Projected
14/01/2011 21:00:00	13	Projected
14/01/2011 22:00:00	13	Projected
14/01/2011 23:00:00	13	Projected
15/01/2011 00:00:00	13	Projected
15/01/2011 01:00:00	13	Projected
15/01/2011 02:00:00	13	Projected
15/01/2011 03:00:00	13	Projected
15/01/2011 04:00:00	13	Projected
15/01/2011 05:00:00	13	Projected
15/01/2011 06:00:00	13	Projected
15/01/2011 07:00:00	13	Projected
15/01/2011 08:00:00	13	Projected
15/01/2011 09:00:00	13	Projected
15/01/2011 10:00:00	13	Projected
15/01/2011 11:00:00	13	Projected
15/01/2011 12:00:00	13	Projected
15/01/2011 13:00:00	13	Projected
15/01/2011 14:00:00	13	Projected
15/01/2011 15:00:00	13	Projected
15/01/2011 16:00:00	13	Projected
15/01/2011 17:00:00	13	Projected
15/01/2011 18:00:00	13	Projected
15/01/2011 19:00:00	13	Projected
15/01/2011 20:00:00	13	Projected
15/01/2011 21:00:00	13	Projected
15/01/2011 22:00:00	13	Projected
15/01/2011 23:00:00	13	Projected

16/01/2011 00:00:00	13	Projected
16/01/2011 01:00:00	13	Projected
16/01/2011 02:00:00	13	Projected
16/01/2011 03:00:00	13	Projected
16/01/2011 04:00:00	13	Projected
16/01/2011 05:00:00	13	Projected
16/01/2011 06:00:00	13	Projected
16/01/2011 07:00:00	13	Projected
16/01/2011 08:00:00	13	Projected
16/01/2011 09:00:00	13	Projected
16/01/2011 10:00:00	13	Projected
16/01/2011 11:00:00	13	Projected
16/01/2011 12:00:00	13	Projected
16/01/2011 13:00:00	13	Projected
16/01/2011 14:00:00	13	Projected
16/01/2011 15:00:00	13	Projected
16/01/2011 16:00:00	13	Projected
16/01/2011 17:00:00	13	Projected
16/01/2011 18:00:00	13	Projected
16/01/2011 19:00:00	13	Projected
16/01/2011 20:00:00	13	Projected
16/01/2011 21:00:00	13	Projected
16/01/2011 22:00:00	13	Projected
16/01/2011 23:00:00	13	Projected
17/01/2011 00:00:00	13	Projected
17/01/2011 01:00:00	13	Projected
17/01/2011 02:00:00	13	Projected
17/01/2011 03:00:00	13	Projected
17/01/2011 04:00:00	13	Projected
17/01/2011 05:00:00	13	Projected
17/01/2011 06:00:00	13	Projected
17/01/2011 07:00:00	13	Projected
17/01/2011 08:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 18:00 on Saturday 8 January 2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED] Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED]
 Al Navaruk [REDACTED] Bill Stephens
 [REDACTED] David Pokarier [REDACTED] John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED] Nev Ablitt [REDACTED]
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam
 Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Deb Chandler [REDACTED] [REDACTED] Chris
 Lavin <[REDACTED]> Craig Logan <[REDACTED]> Don
 Carroll <[REDACTED]> Evan Caswell
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn <[REDACTED]> Santina Pennisi
 [REDACTED] Tony Trace [REDACTED]

Date: Sat, 08 Jan 2011 17:53:25 +1000

Rainfall

Some rain has fallen over the dam catchments in the past 12 hours. Catchment average rainfall for this period for North Pine Dam is 6 mm; Stanley River has received 12 mm; and the Upper Brisbane River 4 mm. This has resulted in minor increases in runoff into Somerset dam.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days.

The forecast for the Somerset-Wivenhoe catchment for the next 24 hours is 30 to 50 mm, whilst North Pine is expected to receive 40 to 60 mm in the next 24 hours

The outlook for the following days are:-

Sunday: Widespread rain with totals between 50-100mm

Monday: Widespread rain again with totals between 50-150mm

Tuesday: Rain easing with totals between 25-50mm

Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following the forecast rainfall on Sunday/Monday.

North Pine (Full Supply Level 39.60 m AHD)

At 1700 Saturday, North Pine Lake Level was 39.47 m AHD and steady. Currently two gates are open to release runoff generated from rainfall over the last three days. Given the very high likelihood of significant runoff during the next 4 days, gates will be kept open to match inflows over the next few days, rather than opening and closing at various times with short notice. Lake Kurwongbah spillway flows are also contributing to the adverse impacts experienced at Youngs Crossing

Youngs Crossing will remain adversely impacted for the duration of the gates being open.

Moreton Bay Regional Council has been advised and concurs with this strategy.

Somerset (Full Supply Level 99.00 m AHD)

Somerset Dam level peaked at 100.47m AHD at 10:00 today and is now slowly falling. At 1700 it is now 100.41m. Somerset Dam is releasing into Wivenhoe through two open sluice gates and over the fixed crest at a rate of about 415 m³/s.

Since the commencement of the event on 02/01/2011, approximately 95,000ML has flowed into Somerset Dam with a further 20,000ML expected based on the recorded rainfall to date. Approximately 38,000ML has been released into Wivenhoe.

Wivenhoe (Full Supply Level 67.00 m AHD)

At 1800 Saturday, Wivenhoe Dam was 68.65 m AHD and rising slowly with all five gates open and releasing about 1,250 m³/s. River levels upstream of Wivenhoe Dam have peaked and are now receding. However the further inflows may result from any additional rainfall. The current gate operation strategy will maintain flows of up to 1,600 m³/s in the mid-Brisbane River throughout the evening.

Since the commencement of the event on 02/01/2011, approximately 227,000ML has flowed into Wivenhoe Dam (including Somerset releases) with a further 200,000ML expected based on the recorded rainfall to date. Approximately 93,000ML has been released from Wivenhoe via the radial gates, hydro and regulator.

Impacts downstream of Wivenhoe

The current Wivenhoe release of 1,250m³/s combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted for several days (until Wednesday 12 January). At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but they could potentially be affected if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

The current available assessments indicate that the combined flow in the lower Brisbane River would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane R will be 0.4 to 0.5 metres higher than predicted tides. The tide level at the Port Office Gauge at 1700 Saturday was 0.06 m and falling.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Forecast Scenario – Based upon mid-range rainfall forecasts.

Assessments have been undertaken to determine possible increases to releases given the high likelihood of significant inflows in the next few days. The interaction with runoff from the Bremer River and Warrill Creek catchment is an important consideration as the event magnitude will require the application of Wivenhoe Dam flood operation strategy W2 (Transition strategy between minimizing downstream impacts and maximizing protection to urban areas).

Projections based upon the forecast rainfalls suggest flows of up to 1,200 m³/s will emanate from the Bremer River catchment. If similar rainfall magnitudes occur in the Upper Brisbane and Stanley Rivers then increased releases may be required from both Somerset Dam and Wivenhoe Dam. Preliminary projections suggest that such a forecast will extend the release duration until next Saturday 15 January, but mid-Brisbane River flows will be kept to a maximum of 1,800 m³/s. However, if falls are greater than those forecast releases from Wivenhoe Dam may need to adversely impact Mt Crosby Weir Bridge (1,900 m³/s) and possibly Fernvale Bridge (2,100 m³/s) but will be maintained below 3,500 m³/s.

The assessments will be updated as the event progresses.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the

sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 06:00 on Sunday 9 January 2011

From: Duty Engineer [REDACTED]
 To: Duty Engineer [REDACTED], David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED] Peter
 Allen [REDACTED] Rohan Thorogood [REDACTED]
 [REDACTED]
 Al Navaruk [REDACTED], Bill Stephens [REDACTED]
 [REDACTED], David Pokarier [REDACTED], John
 [REDACTED], Lou van Blerk [REDACTED], Mark Tan
 [REDACTED], Nev Ablitt [REDACTED]
 [REDACTED]
 [REDACTED] Glenn Patterson [REDACTED]
 [REDACTED] Murray Dunstan [REDACTED]
 [REDACTED], Rob Gorian [REDACTED]
 [REDACTED], Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED], Jayam [REDACTED]
 Tennakoon [REDACTED], Matthew O'Reilly [REDACTED]
 Cc: Deb Chandler [REDACTED], [REDACTED], Chris
 Lavin [REDACTED], Craig Logan [REDACTED], Don
 Carroll [REDACTED], Evan Caswell [REDACTED]
 [REDACTED], James Charalambous [REDACTED]
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED], Santina Pennisi [REDACTED]
 [REDACTED] Tony Trace [REDACTED]

Date: Sun, 09 Jan 2011 06:15:29 +1000

Rainfall

Catchment average rainfall for the past 12 hours is; North Pine Dam (less than 10 mm); Somerset Dam (40 mm); Wivenhoe Dam (less than 10 mm). The bulk of the rain that has fallen in the Somerset Dam catchment has occurred in the last two hours, with recorded falls exceeding 60mm in some areas. The BOM forecast for the next seven days issued at 0450 this morning is:-

Sunday: Rain periods.
 Monday: Rain periods.
 Tuesday: Rain periods.
 Wednesday: A few showers.
 Thursday: A shower or two.
 Friday: A shower or two.

Saturday Mostly fine.

A severe weather warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is currently 39.47 m AHD and steady. Two radial gates remain open to release runoff generated from recent rainfall. Based on rainfall forecasts, the radial gates have been kept open in anticipation of further inflows over the next few days. However unless significant rain falls today, consideration will be given to closing the gates late this afternoon or early tomorrow morning and discussions to finalise a decision on the timing of radial gate closure will be held with the Moreton Bay Regional Council later today. Youngs crossing will remain closed while releases are in progress.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is currently falling slowly, with the current level being 100.27m AHD. However the rain that has fallen in the dam catchment over the last two hours (recorded falls exceed 60mm in some areas) will result in significant inflows later today. The current release rate into Wivenhoe Dam is 35,000ML/day. Since the commencement of the event on 02/01/2011 approximately 56,000ML has been released from the dam, with a total of at least 150,000ML to be released based on the currently recorded rainfall. The total release for the event is likely to increase significantly over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Tuesday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is currently falling slowly, with the current level being 68.58m AHD. River levels upstream of the dam are receding, however further inflows will result from any additional rainfall. The current gate operation strategy will maintain flows of around 1,600m³/s in the mid-Brisbane River. The current release rate from Wivenhoe Dam is 116,000ML/day. Since the commencement of the event on 02/01/2011 approximately 150,000ML has been released from the dam, with a total of at least 450,000ML

to be released based on the currently recorded rainfall. The total release for the event is likely to increase over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Wednesday.

Impacts downstream of Wivenhoe Dam

The current Wivenhoe Dam release combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Khoio Bridge and Colleges Crossing) will be adversely impacted until at least Wednesday 12 January. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but this may be revised if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

John Tibaldi

Duty Engineer

Flood Operations Centre

Pho

Fax

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the

sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Actual and Projected Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED], Don Carroll [REDACTED], Evan
 Caswell [REDACTED], James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED], Santina Pennisi
 [REDACTED]
 Date: Sun, 09 Jan 2011 08:43:43 +1000

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC

9/01/2011 8:42

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual

03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual

05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual

07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	167	Actual
07/01/2011 18:00:00	217	Actual
07/01/2011 19:00:00	267	Actual
07/01/2011 20:00:00	315	Actual
07/01/2011 21:00:00	363	Actual
07/01/2011 22:00:00	415	Actual
07/01/2011 23:00:00	468	Actual
08/01/2011 00:00:00	520	Actual
08/01/2011 01:00:00	573	Actual
08/01/2011 02:00:00	626	Actual
08/01/2011 03:00:00	680	Actual
08/01/2011 04:00:00	732	Actual
08/01/2011 05:00:00	785	Actual
08/01/2011 06:00:00	839	Actual
08/01/2011 07:00:00	893	Actual
08/01/2011 08:00:00	940	Actual
08/01/2011 09:00:00	993	Actual
08/01/2011 10:00:00	1045	Actual
08/01/2011 11:00:00	1098	Actual
08/01/2011 12:00:00	1151	Actual
08/01/2011 13:00:00	1202	Actual
08/01/2011 14:00:00	1254	Actual
08/01/2011 15:00:00	1254	Actual
08/01/2011 16:00:00	1255	Actual
08/01/2011 17:00:00	1255	Actual
08/01/2011 18:00:00	1255	Actual
08/01/2011 19:00:00	1255	Actual
08/01/2011 20:00:00	1255	Actual
08/01/2011 21:00:00	1255	Actual
08/01/2011 22:00:00	1255	Actual
08/01/2011 23:00:00	1255	Actual

09/01/2011 00:00:00	1255	Actual
09/01/2011 01:00:00	1255	Actual
09/01/2011 02:00:00	1300	Actual
09/01/2011 03:00:00	1300	Actual
09/01/2011 04:00:00	1299	Actual
09/01/2011 05:00:00	1350	Actual
09/01/2011 06:00:00	1349	Actual
09/01/2011 07:00:00	1348	Actual
09/01/2011 08:00:00	1348	Actual
09/01/2011 09:00:00	1347	Projected
09/01/2011 10:00:00	1347	Projected
09/01/2011 11:00:00	1398	Projected
09/01/2011 12:00:00	1397	Projected
09/01/2011 13:00:00	1397	Projected
09/01/2011 14:00:00	1396	Projected
09/01/2011 15:00:00	1396	Projected
09/01/2011 16:00:00	1396	Projected
09/01/2011 17:00:00	1396	Projected
09/01/2011 18:00:00	1446	Projected
09/01/2011 19:00:00	1446	Projected
09/01/2011 20:00:00	1445	Projected
09/01/2011 21:00:00	1445	Projected
09/01/2011 22:00:00	1445	Projected
09/01/2011 23:00:00	1445	Projected
10/01/2011 00:00:00	1444	Projected
10/01/2011 01:00:00	1494	Projected
10/01/2011 02:00:00	1494	Projected
10/01/2011 03:00:00	1493	Projected
10/01/2011 04:00:00	1492	Projected
10/01/2011 05:00:00	1492	Projected
10/01/2011 06:00:00	1491	Projected
10/01/2011 07:00:00	1490	Projected
10/01/2011 08:00:00	1489	Projected
10/01/2011 09:00:00	1488	Projected
10/01/2011 10:00:00	1487	Projected
10/01/2011 11:00:00	1486	Projected
10/01/2011 12:00:00	1485	Projected
10/01/2011 13:00:00	1484	Projected
10/01/2011 14:00:00	1482	Projected
10/01/2011 15:00:00	1481	Projected
10/01/2011 16:00:00	1480	Projected
10/01/2011 17:00:00	1478	Projected
10/01/2011 18:00:00	1477	Projected

10/01/2011 19:00:00	1475	Projected
10/01/2011 20:00:00	1474	Projected
10/01/2011 21:00:00	1472	Projected
10/01/2011 22:00:00	1471	Projected
10/01/2011 23:00:00	1469	Projected
11/01/2011 00:00:00	1467	Projected
11/01/2011 01:00:00	1466	Projected
11/01/2011 02:00:00	1464	Projected
11/01/2011 03:00:00	1462	Projected
11/01/2011 04:00:00	1461	Projected
11/01/2011 05:00:00	1459	Projected
11/01/2011 06:00:00	1457	Projected
11/01/2011 07:00:00	1455	Projected
11/01/2011 08:00:00	1453	Projected
11/01/2011 09:00:00	1452	Projected
11/01/2011 10:00:00	1450	Projected
11/01/2011 11:00:00	1448	Projected
11/01/2011 12:00:00	1446	Projected
11/01/2011 13:00:00	1444	Projected
11/01/2011 14:00:00	1442	Projected
11/01/2011 15:00:00	1440	Projected
11/01/2011 16:00:00	1438	Projected
11/01/2011 17:00:00	1435	Projected
11/01/2011 18:00:00	1433	Projected
11/01/2011 19:00:00	1430	Projected
11/01/2011 20:00:00	1428	Projected
11/01/2011 21:00:00	1425	Projected
11/01/2011 22:00:00	1423	Projected
11/01/2011 23:00:00	1420	Projected
12/01/2011 00:00:00	1417	Projected
12/01/2011 01:00:00	1367	Projected
12/01/2011 02:00:00	1318	Projected
12/01/2011 03:00:00	1267	Projected
12/01/2011 04:00:00	1217	Projected
12/01/2011 05:00:00	1173	Projected
12/01/2011 06:00:00	1124	Projected
12/01/2011 07:00:00	1076	Projected
12/01/2011 08:00:00	1025	Projected
12/01/2011 09:00:00	975	Projected
12/01/2011 10:00:00	926	Projected
12/01/2011 11:00:00	877	Projected
12/01/2011 12:00:00	827	Projected
12/01/2011 13:00:00	777	Projected

12/01/2011 14:00:00	728	Projected
12/01/2011 15:00:00	679	Projected
12/01/2011 16:00:00	630	Projected
12/01/2011 17:00:00	580	Projected
12/01/2011 18:00:00	531	Projected
12/01/2011 19:00:00	482	Projected
12/01/2011 20:00:00	439	Projected
12/01/2011 21:00:00	390	Projected
12/01/2011 22:00:00	341	Projected
12/01/2011 23:00:00	297	Projected
13/01/2011 00:00:00	252	Projected
13/01/2011 01:00:00	206	Projected
13/01/2011 02:00:00	159	Projected
13/01/2011 03:00:00	111	Projected
13/01/2011 04:00:00	62	Projected
13/01/2011 05:00:00	13	Projected
13/01/2011 06:00:00	13	Projected
13/01/2011 07:00:00	13	Projected
13/01/2011 08:00:00	13	Projected
13/01/2011 09:00:00	13	Projected
13/01/2011 10:00:00	13	Projected
13/01/2011 11:00:00	13	Projected
13/01/2011 12:00:00	13	Projected
13/01/2011 13:00:00	13	Projected
13/01/2011 14:00:00	13	Projected
13/01/2011 15:00:00	13	Projected
13/01/2011 16:00:00	13	Projected
13/01/2011 17:00:00	13	Projected
13/01/2011 18:00:00	13	Projected
13/01/2011 19:00:00	13	Projected
13/01/2011 20:00:00	13	Projected
13/01/2011 21:00:00	13	Projected
13/01/2011 22:00:00	13	Projected
13/01/2011 23:00:00	13	Projected
14/01/2011 00:00:00	13	Projected
14/01/2011 01:00:00	13	Projected
14/01/2011 02:00:00	13	Projected
14/01/2011 03:00:00	13	Projected
14/01/2011 04:00:00	13	Projected
14/01/2011 05:00:00	13	Projected
14/01/2011 06:00:00	13	Projected
14/01/2011 07:00:00	13	Projected
14/01/2011 08:00:00	13	Projected

14/01/2011 09:00:00	13	Projected
14/01/2011 10:00:00	13	Projected
14/01/2011 11:00:00	13	Projected
14/01/2011 12:00:00	13	Projected
14/01/2011 13:00:00	13	Projected
14/01/2011 14:00:00	13	Projected
14/01/2011 15:00:00	13	Projected
14/01/2011 16:00:00	13	Projected
14/01/2011 17:00:00	13	Projected
14/01/2011 18:00:00	13	Projected
14/01/2011 19:00:00	13	Projected
14/01/2011 20:00:00	13	Projected
14/01/2011 21:00:00	13	Projected
14/01/2011 22:00:00	13	Projected
14/01/2011 23:00:00	13	Projected
15/01/2011 00:00:00	13	Projected
15/01/2011 01:00:00	13	Projected
15/01/2011 02:00:00	13	Projected
15/01/2011 03:00:00	13	Projected
15/01/2011 04:00:00	13	Projected
15/01/2011 05:00:00	13	Projected
15/01/2011 06:00:00	13	Projected
15/01/2011 07:00:00	13	Projected
15/01/2011 08:00:00	13	Projected
15/01/2011 09:00:00	13	Projected
15/01/2011 10:00:00	13	Projected
15/01/2011 11:00:00	13	Projected
15/01/2011 12:00:00	13	Projected
15/01/2011 13:00:00	13	Projected
15/01/2011 14:00:00	13	Projected
15/01/2011 15:00:00	13	Projected
15/01/2011 16:00:00	13	Projected
15/01/2011 17:00:00	13	Projected
15/01/2011 18:00:00	13	Projected
15/01/2011 19:00:00	13	Projected
15/01/2011 20:00:00	13	Projected
15/01/2011 21:00:00	13	Projected
15/01/2011 22:00:00	13	Projected
15/01/2011 23:00:00	13	Projected
16/01/2011 00:00:00	13	Projected
16/01/2011 01:00:00	13	Projected
16/01/2011 02:00:00	13	Projected
16/01/2011 03:00:00	13	Projected

16/01/2011 04:00:00	13	Projected
16/01/2011 05:00:00	13	Projected
16/01/2011 06:00:00	13	Projected
16/01/2011 07:00:00	13	Projected
16/01/2011 08:00:00	13	Projected
16/01/2011 09:00:00	13	Projected
16/01/2011 10:00:00	13	Projected
16/01/2011 11:00:00	13	Projected
16/01/2011 12:00:00	13	Projected
16/01/2011 13:00:00	13	Projected
16/01/2011 14:00:00	13	Projected
16/01/2011 15:00:00	13	Projected
16/01/2011 16:00:00	13	Projected
16/01/2011 17:00:00	13	Projected
16/01/2011 18:00:00	13	Projected
16/01/2011 19:00:00	13	Projected
16/01/2011 20:00:00	13	Projected
16/01/2011 21:00:00	13	Projected
16/01/2011 22:00:00	13	Projected
16/01/2011 23:00:00	13	Projected
17/01/2011 00:00:00	13	Projected
17/01/2011 01:00:00	13	Projected
17/01/2011 02:00:00	13	Projected
17/01/2011 03:00:00	13	Projected
17/01/2011 04:00:00	13	Projected
17/01/2011 05:00:00	13	Projected
17/01/2011 06:00:00	13	Projected
17/01/2011 07:00:00	13	Projected
17/01/2011 08:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 1700 Sunday 9/1/2011

From: Duty Engineer <[REDACTED]>
To: David Roberts <[REDACTED]>
 [REDACTED] Paul Bird <[REDACTED]>, Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED] Deb Chandler <[REDACTED]> Mailbox
 [REDACTED] Tony Trace <[REDACTED]> Chris Lavin
 [REDACTED] Craig Logan <[REDACTED]> Don
 Carroll <[REDACTED]> Evan Caswell
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlenn <[REDACTED]> Santina Pennisi
 [REDACTED] Al Navaruk <[REDACTED]> Bill Stephens
 [REDACTED] David Pokarier <[REDACTED]> John
 West <[REDACTED]> Lou van Blerk <[REDACTED]> Mark Tan
 [REDACTED] Nev Ablitt <[REDACTED]>
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian
 [REDACTED] Doug Grigg <[REDACTED]>
 [REDACTED] Graham Francis <[REDACTED]> Jayam
 Tennakoon <[REDACTED]> Matthew O'Reilly <[REDACTED]>
Cc: Peter Allen <[REDACTED]>
Date: Sun, 09 Jan 2011 17:51:06 +1000

Rainfall

Catchment average rainfall for the past 12 hours is; North Pine Dam (60 mm); Somerset Dam (150 mm); Wivenhoe Dam (80 mm). The bulk of the rain that has fallen in the upper reaches of the Stanley and Brisbane Rivers.

The BOM rainfall forecast for the next few days is:-

Monday: Very heavy rain periods with totals up to 300mm centred around North Pine.
 Tuesday: Rain periods with totals up to 150mm centred around North Pine.
 Wednesday: A few showers less than 10mm
 Thursday: A shower or two.

Friday A shower or two.

Saturday Mostly fine.

A severe weather warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is currently 39.65 m AHD and rising at 1600. Following the rain in the 9 hours, the number of open gates has been increased from 2 to 5 which are expected to remain open for the next 12 hours. Youngs Crossing will remain closed while releases are in progress.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 100.75 m AHD and rising quickly. Estimated peak inflow to the dam is about 3,000m³/s. Five sluice gates are open releasing about 1,100m³/s (95,000ML/d) into Wivenhoe Dam. At this stage the dam will reach at least 101.5 during early Tuesday morning.

Since the commencement of the event on 02/01/2011 approximately 80,000ML has been released from the dam, with an event total of at least 320,000ML based on the recorded rainfall to date. The event total is expected to increase significantly due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Wednesday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is currently rising again, with the current level being 68.70m AHD. Estimated peak inflow to the dam just from the Upper Brisbane R is about 5,000m³/s and, at this stage, the dam will reach at least 72.5 m AHD during Wednesday morning. River levels upstream of the dam are rising quickly with

significant inflow being generated from the intense heavy rainfall. The current gate operation strategy will maintain flows of around 1,600m³/s in the mid-Brisbane River for the next 24 hours. This may mean temporarily reducing releases from Wivenhoe Dam as Lockyer flows increase. However, releases may have to be increased significantly during Monday depending on the rain in the next 12 to 24 hours. The current release rate from Wivenhoe Dam is 1,400m³/s (120,000ML/day).

Since the commencement of the event on 02/01/2011 approximately 210,000ML has been released from the dam, with an event total approaching 1,000,000ML (including Somerset outflow) based on the recorded rainfall to date. The total release for the event is likely to increase over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Saturday 15th January 2011.

Impacts downstream of Wivenhoe Dam

The current Wivenhoe Dam release combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted until at least Saturday 15 January.

At this stage Fernvale and Mt Crosby Weir Bridge will not be affected for the next 24 hours but there is a strong possibility that, if the predicted rainfall totals eventuate in the next 12 to 24 hours, higher releases from Wivenhoe Dam will be necessary. This may adversely impact upon Fernvale and Mt Crosby Weir Bridges as early as Tuesday morning.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the Wivenhoe operating strategy.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Actual and Projected Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Sun, 09 Jan 2011 17:57:07 +1000

Please note that projected releases may change significantly in the next 24 to 48 hours

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC 9/01/2011 17:55

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual

03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual

05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual

06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	167	Actual
07/01/2011 18:00:00	217	Actual
07/01/2011 19:00:00	267	Actual
07/01/2011 20:00:00	315	Actual
07/01/2011 21:00:00	363	Actual
07/01/2011 22:00:00	415	Actual
07/01/2011 23:00:00	468	Actual
08/01/2011 00:00:00	520	Actual
08/01/2011 01:00:00	573	Actual
08/01/2011 02:00:00	626	Actual
08/01/2011 03:00:00	679	Actual
08/01/2011 04:00:00	732	Actual
08/01/2011 05:00:00	785	Actual
08/01/2011 06:00:00	839	Actual
08/01/2011 07:00:00	892	Actual
08/01/2011 08:00:00	940	Actual
08/01/2011 09:00:00	992	Actual
08/01/2011 10:00:00	1044	Actual
08/01/2011 11:00:00	1097	Actual
08/01/2011 12:00:00	1150	Actual
08/01/2011 13:00:00	1202	Actual
08/01/2011 14:00:00	1253	Actual
08/01/2011 15:00:00	1253	Actual
08/01/2011 16:00:00	1254	Actual
08/01/2011 17:00:00	1254	Actual

08/01/2011 18:00:00	1254	Actual
08/01/2011 19:00:00	1254	Actual
08/01/2011 20:00:00	1254	Actual
08/01/2011 21:00:00	1254	Actual
08/01/2011 22:00:00	1254	Actual
08/01/2011 23:00:00	1254	Actual
09/01/2011 00:00:00	1253	Actual
09/01/2011 01:00:00	1253	Actual
09/01/2011 02:00:00	1298	Actual
09/01/2011 03:00:00	1298	Actual
09/01/2011 04:00:00	1297	Actual
09/01/2011 05:00:00	1348	Actual
09/01/2011 06:00:00	1347	Actual
09/01/2011 07:00:00	1346	Actual
09/01/2011 08:00:00	1345	Actual
09/01/2011 09:00:00	1345	Actual
09/01/2011 10:00:00	1344	Actual
09/01/2011 11:00:00	1344	Actual
09/01/2011 12:00:00	1395	Actual
09/01/2011 13:00:00	1395	Actual
09/01/2011 14:00:00	1396	Actual
09/01/2011 15:00:00	1397	Actual
09/01/2011 16:00:00	1400	Actual
09/01/2011 17:00:00	1402	Actual
09/01/2011 18:00:00	1404	Projected
09/01/2011 19:00:00	1407	Projected
09/01/2011 20:00:00	1411	Projected
09/01/2011 21:00:00	1415	Projected
09/01/2011 22:00:00	1420	Projected
09/01/2011 23:00:00	1426	Projected
10/01/2011 00:00:00	1432	Projected
10/01/2011 01:00:00	1440	Projected
10/01/2011 02:00:00	1448	Projected
10/01/2011 03:00:00	1456	Projected
10/01/2011 04:00:00	1464	Projected
10/01/2011 05:00:00	1472	Projected
10/01/2011 06:00:00	1479	Projected
10/01/2011 07:00:00	1487	Projected
10/01/2011 08:00:00	1494	Projected
10/01/2011 09:00:00	1501	Projected
10/01/2011 10:00:00	1508	Projected
10/01/2011 11:00:00	1514	Projected
10/01/2011 12:00:00	1521	Projected

10/01/2011 13:00:00	1527	Projected
10/01/2011 14:00:00	1533	Projected
10/01/2011 15:00:00	1539	Projected
10/01/2011 16:00:00	1545	Projected
10/01/2011 17:00:00	1551	Projected
10/01/2011 18:00:00	1556	Projected
10/01/2011 19:00:00	1561	Projected
10/01/2011 20:00:00	1566	Projected
10/01/2011 21:00:00	1570	Projected
10/01/2011 22:00:00	1574	Projected
10/01/2011 23:00:00	1578	Projected
11/01/2011 00:00:00	1582	Projected
11/01/2011 01:00:00	1586	Projected
11/01/2011 02:00:00	1589	Projected
11/01/2011 03:00:00	1592	Projected
11/01/2011 04:00:00	1596	Projected
11/01/2011 05:00:00	1599	Projected
11/01/2011 06:00:00	1602	Projected
11/01/2011 07:00:00	1605	Projected
11/01/2011 08:00:00	1607	Projected
11/01/2011 09:00:00	1610	Projected
11/01/2011 10:00:00	1613	Projected
11/01/2011 11:00:00	1615	Projected
11/01/2011 12:00:00	1618	Projected
11/01/2011 13:00:00	1620	Projected
11/01/2011 14:00:00	1622	Projected
11/01/2011 15:00:00	1623	Projected
11/01/2011 16:00:00	1625	Projected
11/01/2011 17:00:00	1626	Projected
11/01/2011 18:00:00	1627	Projected
11/01/2011 19:00:00	1628	Projected
11/01/2011 20:00:00	1628	Projected
11/01/2011 21:00:00	1629	Projected
11/01/2011 22:00:00	1629	Projected
11/01/2011 23:00:00	1629	Projected
12/01/2011 00:00:00	1628	Projected
12/01/2011 01:00:00	1628	Projected
12/01/2011 02:00:00	1627	Projected
12/01/2011 03:00:00	1625	Projected
12/01/2011 04:00:00	1623	Projected
12/01/2011 05:00:00	1622	Projected
12/01/2011 06:00:00	1620	Projected
12/01/2011 07:00:00	1618	Projected

12/01/2011 08:00:00	1616	Projected
12/01/2011 09:00:00	1615	Projected
12/01/2011 10:00:00	1613	Projected
12/01/2011 11:00:00	1611	Projected
12/01/2011 12:00:00	1609	Projected
12/01/2011 13:00:00	1607	Projected
12/01/2011 14:00:00	1605	Projected
12/01/2011 15:00:00	1604	Projected
12/01/2011 16:00:00	1602	Projected
12/01/2011 17:00:00	1600	Projected
12/01/2011 18:00:00	1598	Projected
12/01/2011 19:00:00	1596	Projected
12/01/2011 20:00:00	1594	Projected
12/01/2011 21:00:00	1592	Projected
12/01/2011 22:00:00	1590	Projected
12/01/2011 23:00:00	1588	Projected
13/01/2011 00:00:00	1586	Projected
13/01/2011 01:00:00	1584	Projected
13/01/2011 02:00:00	1582	Projected
13/01/2011 03:00:00	1580	Projected
13/01/2011 04:00:00	1578	Projected
13/01/2011 05:00:00	1576	Projected
13/01/2011 06:00:00	1574	Projected
13/01/2011 07:00:00	1572	Projected
13/01/2011 08:00:00	1570	Projected
13/01/2011 09:00:00	1568	Projected
13/01/2011 10:00:00	1566	Projected
13/01/2011 11:00:00	1563	Projected
13/01/2011 12:00:00	1561	Projected
13/01/2011 13:00:00	1559	Projected
13/01/2011 14:00:00	1557	Projected
13/01/2011 15:00:00	1555	Projected
13/01/2011 16:00:00	1553	Projected
13/01/2011 17:00:00	1551	Projected
13/01/2011 18:00:00	1549	Projected
13/01/2011 19:00:00	1546	Projected
13/01/2011 20:00:00	1544	Projected
13/01/2011 21:00:00	1542	Projected
13/01/2011 22:00:00	1540	Projected
13/01/2011 23:00:00	1538	Projected
14/01/2011 00:00:00	1535	Projected
14/01/2011 01:00:00	1533	Projected
14/01/2011 02:00:00	1531	Projected

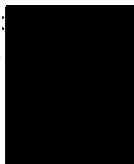
14/01/2011 03:00:00	1529	Projected
14/01/2011 04:00:00	1527	Projected
14/01/2011 05:00:00	1524	Projected
14/01/2011 06:00:00	1522	Projected
14/01/2011 07:00:00	1520	Projected
14/01/2011 08:00:00	1518	Projected
14/01/2011 09:00:00	1515	Projected
14/01/2011 10:00:00	1513	Projected
14/01/2011 11:00:00	1511	Projected
14/01/2011 12:00:00	1508	Projected
14/01/2011 13:00:00	1506	Projected
14/01/2011 14:00:00	1504	Projected
14/01/2011 15:00:00	1502	Projected
14/01/2011 16:00:00	1499	Projected
14/01/2011 17:00:00	1497	Projected
14/01/2011 18:00:00	1495	Projected
14/01/2011 19:00:00	1492	Projected
14/01/2011 20:00:00	1490	Projected
14/01/2011 21:00:00	1488	Projected
14/01/2011 22:00:00	1485	Projected
14/01/2011 23:00:00	1483	Projected
15/01/2011 00:00:00	1480	Projected
15/01/2011 01:00:00	1478	Projected
15/01/2011 02:00:00	1476	Projected
15/01/2011 03:00:00	1473	Projected
15/01/2011 04:00:00	1417	Projected
15/01/2011 05:00:00	1361	Projected
15/01/2011 06:00:00	1310	Projected
15/01/2011 07:00:00	1255	Projected
15/01/2011 08:00:00	1201	Projected
15/01/2011 09:00:00	1145	Projected
15/01/2011 10:00:00	1089	Projected
15/01/2011 11:00:00	1034	Projected
15/01/2011 12:00:00	979	Projected
15/01/2011 13:00:00	923	Projected
15/01/2011 14:00:00	868	Projected
15/01/2011 15:00:00	813	Projected
15/01/2011 16:00:00	758	Projected
15/01/2011 17:00:00	703	Projected
15/01/2011 18:00:00	648	Projected
15/01/2011 19:00:00	593	Projected
15/01/2011 20:00:00	539	Projected
15/01/2011 21:00:00	490	Projected

15/01/2011 22:00:00	435	Projected
15/01/2011 23:00:00	381	Projected
16/01/2011 00:00:00	331	Projected
16/01/2011 01:00:00	280	Projected
16/01/2011 02:00:00	228	Projected
16/01/2011 03:00:00	175	Projected
16/01/2011 04:00:00	121	Projected
16/01/2011 05:00:00	67	Projected
16/01/2011 06:00:00	13	Projected
16/01/2011 07:00:00	13	Projected
16/01/2011 08:00:00	13	Projected
16/01/2011 09:00:00	13	Projected
16/01/2011 10:00:00	13	Projected
16/01/2011 11:00:00	13	Projected
16/01/2011 12:00:00	13	Projected
16/01/2011 13:00:00	13	Projected
16/01/2011 14:00:00	13	Projected
16/01/2011 15:00:00	13	Projected
16/01/2011 16:00:00	13	Projected
16/01/2011 17:00:00	13	Projected
16/01/2011 18:00:00	13	Projected
16/01/2011 19:00:00	13	Projected
16/01/2011 20:00:00	13	Projected
16/01/2011 21:00:00	13	Projected
16/01/2011 22:00:00	13	Projected
16/01/2011 23:00:00	13	Projected
17/01/2011 00:00:00	13	Projected
17/01/2011 01:00:00	13	Projected
17/01/2011 02:00:00	13	Projected
17/01/2011 03:00:00	13	Projected
17/01/2011 04:00:00	13	Projected
17/01/2011 05:00:00	13	Projected
17/01/2011 06:00:00	13	Projected
17/01/2011 07:00:00	13	Projected
17/01/2011 08:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone:



Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 2100 9/01/2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED] Peter Allen
 [REDACTED] Rohan Thorogood [REDACTED]
 Al Navaruk [REDACTED] Bill Stephens
 [REDACTED] David Pokarier [REDACTED] John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED] Nev Ablitt [REDACTED]
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam
 Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Deb Chandler [REDACTED] Mailbox [REDACTED] Tony
 Trace [REDACTED] Chris Lavin [REDACTED] Craig
 Logan [REDACTED] Don Carroll [REDACTED]
 Evan Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
Date: Sun, 09 Jan 2011 21:03:30 +1000

Rainfall

Very heavy rainfall has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to 140mm. Totals for the last 24 hours range from 100 to 300mm.

Rainfall of similar magnitudes is expected in the 12 to 24 hours, especially around the Bremer/Warrill catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 101.68 m AHD (about 500,000ML currently in storage) and rising quickly. Peak inflow to the dam is estimated to be about 4,000 m³/s based on observed rainfall and could be as high as 5,000m³/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m³/s (95,000ML/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 early Tuesday morning which will adversely impact areas around Kilcoy.

Since the commencement of the event on 02/01/2011 approximately 100,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This may increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 6,700m³/s and the river is still rising.

The dam level is rising again, with the current level being 69.10m AHD (1,410,000ML with about 300,00 of flood storage). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m³/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m³/s and the combined flows in the lower Brisbane will be limited to 4,000m³/s. This is below the limit of urban damages in the City reaches.

The current release rate from Wivenhoe Dam is 1,400m³/s (120,000ML/day). Gate opening will start to be increased from noon Monday and the release is expected increase to at least 2,600m³/s during Tuesday morning.

Since the commencement of the event on 02/01/2011 approximately 220,000ML has been released from the dam, with an event total approaching 1,000,000ML without further rain and as much as 1,500,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED], James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Sun, 09 Jan 2011 21:07:48 +1000

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC 9/01/2011 20:52

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual

03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual

05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual

07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	167	Actual
07/01/2011 18:00:00	218	Actual
07/01/2011 19:00:00	268	Actual
07/01/2011 20:00:00	316	Actual
07/01/2011 21:00:00	364	Actual
07/01/2011 22:00:00	417	Actual
07/01/2011 23:00:00	470	Actual
08/01/2011 00:00:00	523	Actual
08/01/2011 01:00:00	576	Actual
08/01/2011 02:00:00	629	Actual
08/01/2011 03:00:00	683	Actual
08/01/2011 04:00:00	736	Actual
08/01/2011 05:00:00	789	Actual
08/01/2011 06:00:00	843	Actual
08/01/2011 07:00:00	897	Actual
08/01/2011 08:00:00	945	Actual
08/01/2011 09:00:00	998	Actual
08/01/2011 10:00:00	1051	Actual
08/01/2011 11:00:00	1104	Actual
08/01/2011 12:00:00	1158	Actual
08/01/2011 13:00:00	1209	Actual
08/01/2011 14:00:00	1261	Actual
08/01/2011 15:00:00	1262	Actual
08/01/2011 16:00:00	1262	Actual
08/01/2011 17:00:00	1263	Actual
08/01/2011 18:00:00	1263	Actual
08/01/2011 19:00:00	1263	Actual
08/01/2011 20:00:00	1263	Actual
08/01/2011 21:00:00	1263	Actual
08/01/2011 22:00:00	1263	Actual
08/01/2011 23:00:00	1263	Actual

09/01/2011 00:00:00	1263	Actual
09/01/2011 01:00:00	1262	Actual
09/01/2011 02:00:00	1308	Actual
09/01/2011 03:00:00	1308	Actual
09/01/2011 04:00:00	1307	Actual
09/01/2011 05:00:00	1359	Actual
09/01/2011 06:00:00	1358	Actual
09/01/2011 07:00:00	1357	Actual
09/01/2011 08:00:00	1356	Actual
09/01/2011 09:00:00	1356	Actual
09/01/2011 10:00:00	1355	Actual
09/01/2011 11:00:00	1355	Actual
09/01/2011 12:00:00	1407	Actual
09/01/2011 13:00:00	1407	Actual
09/01/2011 14:00:00	1408	Actual
09/01/2011 15:00:00	1410	Actual
09/01/2011 16:00:00	1412	Actual
09/01/2011 17:00:00	1415	Actual
09/01/2011 18:00:00	1418	Actual
09/01/2011 19:00:00	1422	Actual
09/01/2011 20:00:00	1427	Actual
09/01/2011 21:00:00	1432	Projected
09/01/2011 22:00:00	1439	Projected
09/01/2011 23:00:00	1447	Projected
10/01/2011 00:00:00	1457	Projected
10/01/2011 01:00:00	1468	Projected
10/01/2011 02:00:00	1480	Projected
10/01/2011 03:00:00	1492	Projected
10/01/2011 04:00:00	1505	Projected
10/01/2011 05:00:00	1518	Projected
10/01/2011 06:00:00	1530	Projected
10/01/2011 07:00:00	1542	Projected
10/01/2011 08:00:00	1553	Projected
10/01/2011 09:00:00	1563	Projected
10/01/2011 10:00:00	1572	Projected
10/01/2011 11:00:00	1581	Projected
10/01/2011 12:00:00	1646	Projected
10/01/2011 13:00:00	1711	Projected
10/01/2011 14:00:00	1774	Projected
10/01/2011 15:00:00	1838	Projected
10/01/2011 16:00:00	1899	Projected
10/01/2011 17:00:00	1961	Projected
10/01/2011 18:00:00	2023	Projected

10/01/2011 19:00:00	2085	Projected
10/01/2011 20:00:00	2144	Projected
10/01/2011 21:00:00	2203	Projected
10/01/2011 22:00:00	2260	Projected
10/01/2011 23:00:00	2320	Projected
11/01/2011 00:00:00	2379	Projected
11/01/2011 01:00:00	2435	Projected
11/01/2011 02:00:00	2492	Projected
11/01/2011 03:00:00	2549	Projected
11/01/2011 04:00:00	2605	Projected
11/01/2011 05:00:00	2661	Projected
11/01/2011 06:00:00	2660	Projected
11/01/2011 07:00:00	2660	Projected
11/01/2011 08:00:00	2659	Projected
11/01/2011 09:00:00	2658	Projected
11/01/2011 10:00:00	2657	Projected
11/01/2011 11:00:00	2656	Projected
11/01/2011 12:00:00	2654	Projected
11/01/2011 13:00:00	2653	Projected
11/01/2011 14:00:00	2651	Projected
11/01/2011 15:00:00	2649	Projected
11/01/2011 16:00:00	2647	Projected
11/01/2011 17:00:00	2645	Projected
11/01/2011 18:00:00	2643	Projected
11/01/2011 19:00:00	2641	Projected
11/01/2011 20:00:00	2639	Projected
11/01/2011 21:00:00	2636	Projected
11/01/2011 22:00:00	2634	Projected
11/01/2011 23:00:00	2631	Projected
12/01/2011 00:00:00	2628	Projected
12/01/2011 01:00:00	2626	Projected
12/01/2011 02:00:00	2623	Projected
12/01/2011 03:00:00	2620	Projected
12/01/2011 04:00:00	2617	Projected
12/01/2011 05:00:00	2614	Projected
12/01/2011 06:00:00	2611	Projected
12/01/2011 07:00:00	2608	Projected
12/01/2011 08:00:00	2605	Projected
12/01/2011 09:00:00	2602	Projected
12/01/2011 10:00:00	2599	Projected
12/01/2011 11:00:00	2596	Projected
12/01/2011 12:00:00	2593	Projected
12/01/2011 13:00:00	2590	Projected

12/01/2011 14:00:00	2586	Projected
12/01/2011 15:00:00	2583	Projected
12/01/2011 16:00:00	2580	Projected
12/01/2011 17:00:00	2576	Projected
12/01/2011 18:00:00	2573	Projected
12/01/2011 19:00:00	2570	Projected
12/01/2011 20:00:00	2566	Projected
12/01/2011 21:00:00	2563	Projected
12/01/2011 22:00:00	2559	Projected
12/01/2011 23:00:00	2556	Projected
13/01/2011 00:00:00	2552	Projected
13/01/2011 01:00:00	2549	Projected
13/01/2011 02:00:00	2545	Projected
13/01/2011 03:00:00	2539	Projected
13/01/2011 04:00:00	2533	Projected
13/01/2011 05:00:00	2526	Projected
13/01/2011 06:00:00	2520	Projected
13/01/2011 07:00:00	2514	Projected
13/01/2011 08:00:00	2508	Projected
13/01/2011 09:00:00	2501	Projected
13/01/2011 10:00:00	2495	Projected
13/01/2011 11:00:00	2488	Projected
13/01/2011 12:00:00	2482	Projected
13/01/2011 13:00:00	2475	Projected
13/01/2011 14:00:00	2469	Projected
13/01/2011 15:00:00	2462	Projected
13/01/2011 16:00:00	2455	Projected
13/01/2011 17:00:00	2449	Projected
13/01/2011 18:00:00	2442	Projected
13/01/2011 19:00:00	2435	Projected
13/01/2011 20:00:00	2429	Projected
13/01/2011 21:00:00	2422	Projected
13/01/2011 22:00:00	2415	Projected
13/01/2011 23:00:00	2408	Projected
14/01/2011 00:00:00	2401	Projected
14/01/2011 01:00:00	2394	Projected
14/01/2011 02:00:00	2388	Projected
14/01/2011 03:00:00	2381	Projected
14/01/2011 04:00:00	2374	Projected
14/01/2011 05:00:00	2367	Projected
14/01/2011 06:00:00	2360	Projected
14/01/2011 07:00:00	2352	Projected
14/01/2011 08:00:00	2345	Projected

14/01/2011 09:00:00	2338	Projected
14/01/2011 10:00:00	2331	Projected
14/01/2011 11:00:00	2324	Projected
14/01/2011 12:00:00	2317	Projected
14/01/2011 13:00:00	2309	Projected
14/01/2011 14:00:00	2302	Projected
14/01/2011 15:00:00	2295	Projected
14/01/2011 16:00:00	2287	Projected
14/01/2011 17:00:00	2280	Projected
14/01/2011 18:00:00	2272	Projected
14/01/2011 19:00:00	2265	Projected
14/01/2011 20:00:00	2257	Projected
14/01/2011 21:00:00	2250	Projected
14/01/2011 22:00:00	2242	Projected
14/01/2011 23:00:00	2235	Projected
15/01/2011 00:00:00	2136	Projected
15/01/2011 01:00:00	2129	Projected
15/01/2011 02:00:00	2122	Projected
15/01/2011 03:00:00	2115	Projected
15/01/2011 04:00:00	2108	Projected
15/01/2011 05:00:00	2101	Projected
15/01/2011 06:00:00	2093	Projected
15/01/2011 07:00:00	2086	Projected
15/01/2011 08:00:00	2079	Projected
15/01/2011 09:00:00	2072	Projected
15/01/2011 10:00:00	2065	Projected
15/01/2011 11:00:00	2057	Projected
15/01/2011 12:00:00	2050	Projected
15/01/2011 13:00:00	2042	Projected
15/01/2011 14:00:00	2035	Projected
15/01/2011 15:00:00	2028	Projected
15/01/2011 16:00:00	2020	Projected
15/01/2011 17:00:00	2013	Projected
15/01/2011 18:00:00	2005	Projected
15/01/2011 19:00:00	1998	Projected
15/01/2011 20:00:00	1990	Projected
15/01/2011 21:00:00	1982	Projected
15/01/2011 22:00:00	1975	Projected
15/01/2011 23:00:00	1967	Projected
16/01/2011 00:00:00	1959	Projected
16/01/2011 01:00:00	1951	Projected
16/01/2011 02:00:00	1944	Projected
16/01/2011 03:00:00	1936	Projected

16/01/2011 04:00:00	1928	Projected
16/01/2011 05:00:00	1920	Projected
16/01/2011 06:00:00	1912	Projected
16/01/2011 07:00:00	1904	Projected
16/01/2011 08:00:00	1896	Projected
16/01/2011 09:00:00	1888	Projected
16/01/2011 10:00:00	1880	Projected
16/01/2011 11:00:00	1872	Projected
16/01/2011 12:00:00	1863	Projected
16/01/2011 13:00:00	1855	Projected
16/01/2011 14:00:00	1847	Projected
16/01/2011 15:00:00	1839	Projected
16/01/2011 16:00:00	1830	Projected
16/01/2011 17:00:00	1822	Projected
16/01/2011 18:00:00	1814	Projected
16/01/2011 19:00:00	1805	Projected
16/01/2011 20:00:00	1797	Projected
16/01/2011 21:00:00	1788	Projected
16/01/2011 22:00:00	1780	Projected
16/01/2011 23:00:00	1771	Projected
17/01/2011 00:00:00	1762	Projected
17/01/2011 01:00:00	1754	Projected
17/01/2011 02:00:00	1745	Projected
17/01/2011 03:00:00	1736	Projected
17/01/2011 04:00:00	1727	Projected
17/01/2011 05:00:00	1719	Projected
17/01/2011 06:00:00	1710	Projected
17/01/2011 07:00:00	1701	Projected
17/01/2011 08:00:00	1692	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 01:00 hrs on Monday 10 January 2011

From: Duty Engineer <[REDACTED]>
To: David Roberts <[REDACTED]>
 [REDACTED] Paul Bird <[REDACTED]> Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED]
 Al Navaruk <[REDACTED]> Bill Stephens
 [REDACTED] David Pokarier <[REDACTED]> John
 West <[REDACTED]> Lou van Blerk <[REDACTED]> Mark Tan
 [REDACTED] Nev Ablitt <[REDACTED]>
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian <[REDACTED]>
 [REDACTED] Doug Grigg <[REDACTED]>
 [REDACTED] Graham Francis <[REDACTED]> Jayam
 Tennakoon <[REDACTED]> Matthew O'Reilly <[REDACTED]>
Cc: Andy Bickerton <[REDACTED]> Deb Chandler
 [REDACTED] Mailbox <[REDACTED]> Chris Lavin
 [REDACTED] Craig Logan <[REDACTED]> Don
 Carroll <[REDACTED]> Evan Caswell
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn <[REDACTED]> Santina Pennisi
 [REDACTED] Tony Trace <[REDACTED]>
Date: Mon, 10 Jan 2011 01:13:35 +1000

Rainfall

Very heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up 100 to 240mm. Totals for the last 24 hours range from 100 to 300mm.

Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level was 39.95 m and steady. Five gates are open releasing 445 m³/s. The inflow into the dam since the commencement of the event is 42,000 ML. Estimated event volume is 57,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 102.22 m AHD and rising quickly (storing 157,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m³/s based on observed rainfall and could be as high as 5,000m³/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m³/s (95,000ML/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 on Monday afternoon which will adversely impact areas around Kilcoy.

Since the commencement of the event on 02/01/2011 approximately 115,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This is expected to increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 7,350m³/s and the river has just peaked at 23:00 on Sunday 9 January.

The dam level is rising quickly, with the current level being 69.60m AHD (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 8,800m³/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Wivenhoe during Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m³/s and the combined flows in the lower Brisbane will be limited to 4,000m³/s if possible.

Fernvale Bridge approaches and Mt Crosby Weir Bridge have been inundated and both bridges are now closed or are in the process of being closed.

The current release rate from Wivenhoe Dam is 1,400m³/s (120,000ML/day). Gate opening will start to be increased during early Monday morning and the release is expected to increase to at least 2,600m³/s.

Since the commencement of the event on 02/01/2011 approximately 240,000ML has been released from the dam, with an event total approaching 1,500,000ML without further rain and as much as 2,100,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam. If the predicted rainfall eventuates in the downstream tributary catchments the resultant combined flows in the lower Brisbane may exceed the threshold of damaging discharge in the urban areas within the next 24 to 48 hours.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Regards

John Ruffini

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Dam Actual and Projected Releases - 0200 on Monday 10 January 2011

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Mon, 10 Jan 2011 01:56:24 +1000

Wivenhoe Dam Actual and Projected Releases

		10/01/2011
Source: Seqwater FOC		1:46
02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual

03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual

04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual

05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual

06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	64	Actual
07/01/2011		
16:00:00	116	Actual
07/01/2011		
17:00:00	168	Actual
07/01/2011		
18:00:00	219	Actual

07/01/2011		
19:00:00	269	Actual
07/01/2011		
20:00:00	318	Actual
07/01/2011		
21:00:00	366	Actual
07/01/2011		
22:00:00	419	Actual
07/01/2011		
23:00:00	472	Actual
08/01/2011		
00:00:00	525	Actual
08/01/2011		
01:00:00	579	Actual
08/01/2011		
02:00:00	632	Actual
08/01/2011		
03:00:00	686	Actual
08/01/2011		
04:00:00	740	Actual
08/01/2011		
05:00:00	794	Actual
08/01/2011		
06:00:00	848	Actual
08/01/2011		
07:00:00	902	Actual
08/01/2011		
08:00:00	951	Actual
08/01/2011		
09:00:00	1004	Actual
08/01/2011		
10:00:00	1057	Actual
08/01/2011		
11:00:00	1111	Actual
08/01/2011		
12:00:00	1165	Actual
08/01/2011		
13:00:00	1218	Actual
08/01/2011		
14:00:00	1270	Actual
08/01/2011		
15:00:00	1271	Actual
08/01/2011		
16:00:00	1271	Actual
08/01/2011		
17:00:00	1272	Actual
08/01/2011		
18:00:00	1272	Actual
08/01/2011		
19:00:00	1273	Actual
08/01/2011		
20:00:00	1273	Actual
08/01/2011		
21:00:00	1273	Actual
08/01/2011		
22:00:00	1273	Actual

08/01/2011		
23:00:00	1273	Actual
09/01/2011		
00:00:00	1273	Actual
09/01/2011		
01:00:00	1273	Actual
09/01/2011		
02:00:00	1319	Actual
09/01/2011		
03:00:00	1319	Actual
09/01/2011		
04:00:00	1318	Actual
09/01/2011		
05:00:00	1370	Actual
09/01/2011		
06:00:00	1370	Actual
09/01/2011		
07:00:00	1369	Actual
09/01/2011		
08:00:00	1368	Actual
09/01/2011		
09:00:00	1368	Actual
09/01/2011		
10:00:00	1367	Actual
09/01/2011		
11:00:00	1367	Actual
09/01/2011		
12:00:00	1420	Actual
09/01/2011		
13:00:00	1420	Actual
09/01/2011		
14:00:00	1421	Actual
09/01/2011		
15:00:00	1423	Actual
09/01/2011		
16:00:00	1425	Actual
09/01/2011		
17:00:00	1428	Actual
09/01/2011		
18:00:00	1432	Actual
09/01/2011		
19:00:00	1436	Actual
09/01/2011		
20:00:00	1441	Actual
09/01/2011		
21:00:00	1447	Actual
09/01/2011		
22:00:00	1455	Actual
09/01/2011		
23:00:00	1463	Actual
10/01/2011		
00:00:00	1474	Actual
10/01/2011		
01:00:00	1486	Actual
10/01/2011		
02:00:00	1553	Projected

10/01/2011		
03:00:00	1622	Projected
10/01/2011		
04:00:00	1692	Projected
10/01/2011		
05:00:00	1762	Projected
10/01/2011		
06:00:00	1832	Projected
10/01/2011		
07:00:00	1903	Projected
10/01/2011		
08:00:00	1975	Projected
10/01/2011		
09:00:00	2046	Projected
10/01/2011		
10:00:00	2115	Projected
10/01/2011		
11:00:00	2183	Projected
10/01/2011		
12:00:00	2249	Projected
10/01/2011		
13:00:00	2318	Projected
10/01/2011		
14:00:00	2385	Projected
10/01/2011		
15:00:00	2450	Projected
10/01/2011		
16:00:00	2514	Projected
10/01/2011		
17:00:00	2578	Projected
10/01/2011		
18:00:00	2642	Projected
10/01/2011		
19:00:00	2704	Projected
10/01/2011		
20:00:00	2709	Projected
10/01/2011		
21:00:00	2714	Projected
10/01/2011		
22:00:00	2717	Projected
10/01/2011		
23:00:00	2721	Projected
11/01/2011		
00:00:00	2723	Projected
11/01/2011		
01:00:00	2726	Projected
11/01/2011		
02:00:00	2727	Projected
11/01/2011		
03:00:00	2729	Projected
11/01/2011		
04:00:00	2730	Projected
11/01/2011		
05:00:00	2731	Projected
11/01/2011		
06:00:00	2731	Projected

11/01/2011 07:00:00	2732	Projected
11/01/2011 08:00:00	2732	Projected
11/01/2011 09:00:00	2731	Projected
11/01/2011 10:00:00	2731	Projected
11/01/2011 11:00:00	2730	Projected
11/01/2011 12:00:00	2730	Projected
11/01/2011 13:00:00	2729	Projected
11/01/2011 14:00:00	2728	Projected
11/01/2011 15:00:00	2726	Projected
11/01/2011 16:00:00	2725	Projected
11/01/2011 17:00:00	2724	Projected
11/01/2011 18:00:00	2722	Projected
11/01/2011 19:00:00	2720	Projected
11/01/2011 20:00:00	2718	Projected
11/01/2011 21:00:00	2717	Projected
11/01/2011 22:00:00	2714	Projected
11/01/2011 23:00:00	2712	Projected
12/01/2011 00:00:00	2710	Projected
12/01/2011 01:00:00	2708	Projected
12/01/2011 02:00:00	2705	Projected
12/01/2011 03:00:00	2703	Projected
12/01/2011 04:00:00	2700	Projected
12/01/2011 05:00:00	2698	Projected
12/01/2011 06:00:00	2695	Projected
12/01/2011 07:00:00	2693	Projected
12/01/2011 08:00:00	2690	Projected
12/01/2011 09:00:00	2687	Projected
12/01/2011 10:00:00	2684	Projected

12/01/2011		
11:00:00	2681	Projected
12/01/2011		
12:00:00	2678	Projected
12/01/2011		
13:00:00	2675	Projected
12/01/2011		
14:00:00	2672	Projected
12/01/2011		
15:00:00	2669	Projected
12/01/2011		
16:00:00	2666	Projected
12/01/2011		
17:00:00	2663	Projected
12/01/2011		
18:00:00	2659	Projected
12/01/2011		
19:00:00	2656	Projected
12/01/2011		
20:00:00	2653	Projected
12/01/2011		
21:00:00	2650	Projected
12/01/2011		
22:00:00	2646	Projected
12/01/2011		
23:00:00	2643	Projected
13/01/2011		
00:00:00	2640	Projected
13/01/2011		
01:00:00	2636	Projected
13/01/2011		
02:00:00	2633	Projected
13/01/2011		
03:00:00	2630	Projected
13/01/2011		
04:00:00	2626	Projected
13/01/2011		
05:00:00	2623	Projected
13/01/2011		
06:00:00	2619	Projected
13/01/2011		
07:00:00	2616	Projected
13/01/2011		
08:00:00	2612	Projected
13/01/2011		
09:00:00	2609	Projected
13/01/2011		
10:00:00	2605	Projected
13/01/2011		
11:00:00	2599	Projected
13/01/2011		
12:00:00	2593	Projected
13/01/2011		
13:00:00	2587	Projected
13/01/2011		
14:00:00	2581	Projected

13/01/2011		
15:00:00	2575	Projected
13/01/2011		
16:00:00	2568	Projected
13/01/2011		
17:00:00	2562	Projected
13/01/2011		
18:00:00	2556	Projected
13/01/2011		
19:00:00	2550	Projected
13/01/2011		
20:00:00	2543	Projected
13/01/2011		
21:00:00	2537	Projected
13/01/2011		
22:00:00	2531	Projected
13/01/2011		
23:00:00	2524	Projected
14/01/2011		
00:00:00	2518	Projected
14/01/2011		
01:00:00	2511	Projected
14/01/2011		
02:00:00	2505	Projected
14/01/2011		
03:00:00	2498	Projected
14/01/2011		
04:00:00	2492	Projected
14/01/2011		
05:00:00	2485	Projected
14/01/2011		
06:00:00	2479	Projected
14/01/2011		
07:00:00	2472	Projected
14/01/2011		
08:00:00	2465	Projected
14/01/2011		
09:00:00	2459	Projected
14/01/2011		
10:00:00	2452	Projected
14/01/2011		
11:00:00	2445	Projected
14/01/2011		
12:00:00	2438	Projected
14/01/2011		
13:00:00	2432	Projected
14/01/2011		
14:00:00	2425	Projected
14/01/2011		
15:00:00	2418	Projected
14/01/2011		
16:00:00	2411	Projected
14/01/2011		
17:00:00	2404	Projected
14/01/2011		
18:00:00	2397	Projected

14/01/2011		
19:00:00	2390	Projected
14/01/2011		
20:00:00	2383	Projected
14/01/2011		
21:00:00	2376	Projected
14/01/2011		
22:00:00	2369	Projected
14/01/2011		
23:00:00	2362	Projected
15/01/2011		
00:00:00	2355	Projected
15/01/2011		
01:00:00	2348	Projected
15/01/2011		
02:00:00	2340	Projected
15/01/2011		
03:00:00	2333	Projected
15/01/2011		
04:00:00	2326	Projected
15/01/2011		
05:00:00	2319	Projected
15/01/2011		
06:00:00	2311	Projected
15/01/2011		
07:00:00	2304	Projected
15/01/2011		
08:00:00	2297	Projected
15/01/2011		
09:00:00	2289	Projected
15/01/2011		
10:00:00	2282	Projected
15/01/2011		
11:00:00	2274	Projected
15/01/2011		
12:00:00	2221	Projected
15/01/2011		
13:00:00	2167	Projected
15/01/2011		
14:00:00	2113	Projected
15/01/2011		
15:00:00	2061	Projected
15/01/2011		
16:00:00	2010	Projected
15/01/2011		
17:00:00	1956	Projected
15/01/2011		
18:00:00	1903	Projected
15/01/2011		
19:00:00	1854	Projected
15/01/2011		
20:00:00	1803	Projected
15/01/2011		
21:00:00	1753	Projected
15/01/2011		
22:00:00	1700	Projected

15/01/2011		
23:00:00	1648	Projected
16/01/2011		
00:00:00	1597	Projected
16/01/2011		
01:00:00	1547	Projected
16/01/2011		
02:00:00	1496	Projected
16/01/2011		
03:00:00	1445	Projected
16/01/2011		
04:00:00	1394	Projected
16/01/2011		
05:00:00	1342	Projected
16/01/2011		
06:00:00	1290	Projected
16/01/2011		
07:00:00	1239	Projected
16/01/2011		
08:00:00	1193	Projected
16/01/2011		
09:00:00	1143	Projected
16/01/2011		
10:00:00	1093	Projected
16/01/2011		
11:00:00	1042	Projected
16/01/2011		
12:00:00	991	Projected
16/01/2011		
13:00:00	941	Projected
16/01/2011		
14:00:00	891	Projected
16/01/2011		
15:00:00	840	Projected
16/01/2011		
16:00:00	789	Projected
16/01/2011		
17:00:00	738	Projected
16/01/2011		
18:00:00	688	Projected
16/01/2011		
19:00:00	638	Projected
16/01/2011		
20:00:00	588	Projected
16/01/2011		
21:00:00	538	Projected
16/01/2011		
22:00:00	488	Projected
16/01/2011		
23:00:00	444	Projected
17/01/2011		
00:00:00	395	Projected
17/01/2011		
01:00:00	345	Projected
17/01/2011		
02:00:00	300	Projected

17/01/2011		
03:00:00	255	Projected
17/01/2011		
04:00:00	208	Projected
17/01/2011		
05:00:00	160	Projected
17/01/2011		
06:00:00	112	Projected
17/01/2011		
07:00:00	62	Projected
17/01/2011		
08:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 06:00 on Monday 10 January 2011

From: Duty Engineer [REDACTED]
To: "John Ruffini (Home)" [REDACTED] David Roberts

Cc: [REDACTED]

Date: Mon, 10 Jan 2011 06:29:46 +1000

Rainfall

Moderate to heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up to 90 mm. Totals for the last 24 hours range from 100 to 325mm.

Mt Glorious recorded 100 mm in the last 12 hours.

Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south.

A severe weather warning remains current for heavy rainfall in the dam catchment areas.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level was 39.97 m and steady. Five gates are open releasing 475 m³/s. The inflow into the dam since the commencement of the event is 52,000 ML. Estimated event volume is 72,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level at 05:00 was 102.84 m AHD and rising (storing 193,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m³/s based on observed rainfall and could be as high as 5,000m³/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m³/s (95,000ML/d) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5 mAHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected.

Since the commencement of the event on 02/01/2011 approximately 142,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This is expected to increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

River levels upstream of the dam have peaked and are falling slowly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have peaked at 7,350m³/s at 23:00 on Sunday 9 January. This peak is bigger than January 1974 and February 1999 at this location.

The dam level is rising quickly, with the current level being 70.77m AHD (storing 450,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R is around 8,800m³/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it was necessary to start to increase the release from Wivenhoe during Monday morning.

The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m³/s and the combined flows in the lower Brisbane will be limited to 4,000m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000 m³/s.

Fernvale Bridge approaches and Mt Crosby Weir Bridge have been inundated and both bridges are now closed.

The current release rate from Wivenhoe Dam is 1,753m³/s (150,000ML/day). Gate opening will continue to be increased during Monday and the release is expected to increase to at least 2,600m³/s in the next 12 to 24 hours.

Since the commencement of the event on 02/01/2011 approximately 275,000ML has been released from the dam, with an event total approaching 1,600,000ML without further rain and as much as 2,100,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16th January 2011.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane R will be impacted by the combined flows of Lockyer Ck, Bremer River, local runoff and releases from Wivenhoe Dam. If the predicted rainfall eventuates in the downstream tributary catchments the resultant combined flows in the lower Brisbane may exceed the threshold of damaging discharge in the urban areas within the next 24 to 48 hours. Currently the estimate peak flow in the lower Brisbane River will be the highest since Wivenhoe Dam was completed in 1984 but still well below flows the 1974 levels.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

John Ruffini

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Mon, 10 Jan 2011 06:32:24 +1000

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC 10/01/2011 6:05

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual

03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual

05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual

07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	168	Actual
07/01/2011 18:00:00	218	Actual
07/01/2011 19:00:00	268	Actual
07/01/2011 20:00:00	317	Actual
07/01/2011 21:00:00	365	Actual
07/01/2011 22:00:00	418	Actual
07/01/2011 23:00:00	471	Actual
08/01/2011 00:00:00	524	Actual
08/01/2011 01:00:00	578	Actual
08/01/2011 02:00:00	631	Actual
08/01/2011 03:00:00	685	Actual
08/01/2011 04:00:00	738	Actual
08/01/2011 05:00:00	792	Actual
08/01/2011 06:00:00	846	Actual
08/01/2011 07:00:00	900	Actual
08/01/2011 08:00:00	949	Actual
08/01/2011 09:00:00	1002	Actual
08/01/2011 10:00:00	1055	Actual
08/01/2011 11:00:00	1109	Actual
08/01/2011 12:00:00	1162	Actual
08/01/2011 13:00:00	1215	Actual
08/01/2011 14:00:00	1267	Actual
08/01/2011 15:00:00	1267	Actual
08/01/2011 16:00:00	1268	Actual
08/01/2011 17:00:00	1268	Actual
08/01/2011 18:00:00	1269	Actual
08/01/2011 19:00:00	1269	Actual
08/01/2011 20:00:00	1269	Actual
08/01/2011 21:00:00	1269	Actual
08/01/2011 22:00:00	1269	Actual
08/01/2011 23:00:00	1269	Actual

09/01/2011 00:00:00	1269	Actual
09/01/2011 01:00:00	1269	Actual
09/01/2011 02:00:00	1315	Actual
09/01/2011 03:00:00	1315	Actual
09/01/2011 04:00:00	1314	Actual
09/01/2011 05:00:00	1366	Actual
09/01/2011 06:00:00	1365	Actual
09/01/2011 07:00:00	1365	Actual
09/01/2011 08:00:00	1364	Actual
09/01/2011 09:00:00	1363	Actual
09/01/2011 10:00:00	1363	Actual
09/01/2011 11:00:00	1363	Actual
09/01/2011 12:00:00	1415	Actual
09/01/2011 13:00:00	1415	Actual
09/01/2011 14:00:00	1416	Actual
09/01/2011 15:00:00	1418	Actual
09/01/2011 16:00:00	1420	Actual
09/01/2011 17:00:00	1423	Actual
09/01/2011 18:00:00	1427	Actual
09/01/2011 19:00:00	1431	Actual
09/01/2011 20:00:00	1436	Actual
09/01/2011 21:00:00	1442	Actual
09/01/2011 22:00:00	1449	Actual
09/01/2011 23:00:00	1457	Actual
10/01/2011 00:00:00	1467	Actual
10/01/2011 01:00:00	1479	Actual
10/01/2011 02:00:00	1546	Actual
10/01/2011 03:00:00	1614	Actual
10/01/2011 04:00:00	1683	Actual
10/01/2011 05:00:00	1753	Actual
10/01/2011 06:00:00	1823	Actual
10/01/2011 07:00:00	1893	Projected
10/01/2011 08:00:00	1964	Projected
10/01/2011 09:00:00	2035	Projected
10/01/2011 10:00:00	2103	Projected
10/01/2011 11:00:00	2171	Projected
10/01/2011 12:00:00	2237	Projected
10/01/2011 13:00:00	2305	Projected
10/01/2011 14:00:00	2372	Projected
10/01/2011 15:00:00	2437	Projected
10/01/2011 16:00:00	2501	Projected
10/01/2011 17:00:00	2565	Projected
10/01/2011 18:00:00	2628	Projected

10/01/2011 19:00:00	2690	Projected
10/01/2011 20:00:00	2695	Projected
10/01/2011 21:00:00	2700	Projected
10/01/2011 22:00:00	2703	Projected
10/01/2011 23:00:00	2707	Projected
11/01/2011 00:00:00	2709	Projected
11/01/2011 01:00:00	2712	Projected
11/01/2011 02:00:00	2714	Projected
11/01/2011 03:00:00	2715	Projected
11/01/2011 04:00:00	2716	Projected
11/01/2011 05:00:00	2717	Projected
11/01/2011 06:00:00	2718	Projected
11/01/2011 07:00:00	2718	Projected
11/01/2011 08:00:00	2718	Projected
11/01/2011 09:00:00	2718	Projected
11/01/2011 10:00:00	2717	Projected
11/01/2011 11:00:00	2717	Projected
11/01/2011 12:00:00	2716	Projected
11/01/2011 13:00:00	2715	Projected
11/01/2011 14:00:00	2714	Projected
11/01/2011 15:00:00	2713	Projected
11/01/2011 16:00:00	2712	Projected
11/01/2011 17:00:00	2710	Projected
11/01/2011 18:00:00	2709	Projected
11/01/2011 19:00:00	2707	Projected
11/01/2011 20:00:00	2705	Projected
11/01/2011 21:00:00	2703	Projected
11/01/2011 22:00:00	2701	Projected
11/01/2011 23:00:00	2699	Projected
12/01/2011 00:00:00	2697	Projected
12/01/2011 01:00:00	2695	Projected
12/01/2011 02:00:00	2692	Projected
12/01/2011 03:00:00	2690	Projected
12/01/2011 04:00:00	2687	Projected
12/01/2011 05:00:00	2685	Projected
12/01/2011 06:00:00	2682	Projected
12/01/2011 07:00:00	2679	Projected
12/01/2011 08:00:00	2676	Projected
12/01/2011 09:00:00	2674	Projected
12/01/2011 10:00:00	2671	Projected
12/01/2011 11:00:00	2668	Projected
12/01/2011 12:00:00	2665	Projected
12/01/2011 13:00:00	2662	Projected

12/01/2011 14:00:00	2659	Projected
12/01/2011 15:00:00	2656	Projected
12/01/2011 16:00:00	2652	Projected
12/01/2011 17:00:00	2649	Projected
12/01/2011 18:00:00	2646	Projected
12/01/2011 19:00:00	2643	Projected
12/01/2011 20:00:00	2640	Projected
12/01/2011 21:00:00	2636	Projected
12/01/2011 22:00:00	2633	Projected
12/01/2011 23:00:00	2630	Projected
13/01/2011 00:00:00	2626	Projected
13/01/2011 01:00:00	2623	Projected
13/01/2011 02:00:00	2619	Projected
13/01/2011 03:00:00	2616	Projected
13/01/2011 04:00:00	2613	Projected
13/01/2011 05:00:00	2609	Projected
13/01/2011 06:00:00	2606	Projected
13/01/2011 07:00:00	2602	Projected
13/01/2011 08:00:00	2598	Projected
13/01/2011 09:00:00	2593	Projected
13/01/2011 10:00:00	2589	Projected
13/01/2011 11:00:00	2583	Projected
13/01/2011 12:00:00	2578	Projected
13/01/2011 13:00:00	2573	Projected
13/01/2011 14:00:00	2567	Projected
13/01/2011 15:00:00	2561	Projected
13/01/2011 16:00:00	2556	Projected
13/01/2011 17:00:00	2550	Projected
13/01/2011 18:00:00	2544	Projected
13/01/2011 19:00:00	2538	Projected
13/01/2011 20:00:00	2531	Projected
13/01/2011 21:00:00	2525	Projected
13/01/2011 22:00:00	2519	Projected
13/01/2011 23:00:00	2512	Projected
14/01/2011 00:00:00	2506	Projected
14/01/2011 01:00:00	2499	Projected
14/01/2011 02:00:00	2493	Projected
14/01/2011 03:00:00	2486	Projected
14/01/2011 04:00:00	2479	Projected
14/01/2011 05:00:00	2473	Projected
14/01/2011 06:00:00	2466	Projected
14/01/2011 07:00:00	2459	Projected
14/01/2011 08:00:00	2453	Projected

14/01/2011 09:00:00	2446	Projected
14/01/2011 10:00:00	2439	Projected
14/01/2011 11:00:00	2432	Projected
14/01/2011 12:00:00	2426	Projected
14/01/2011 13:00:00	2419	Projected
14/01/2011 14:00:00	2412	Projected
14/01/2011 15:00:00	2405	Projected
14/01/2011 16:00:00	2398	Projected
14/01/2011 17:00:00	2391	Projected
14/01/2011 18:00:00	2384	Projected
14/01/2011 19:00:00	2377	Projected
14/01/2011 20:00:00	2370	Projected
14/01/2011 21:00:00	2363	Projected
14/01/2011 22:00:00	2356	Projected
14/01/2011 23:00:00	2349	Projected
15/01/2011 00:00:00	2341	Projected
15/01/2011 01:00:00	2334	Projected
15/01/2011 02:00:00	2327	Projected
15/01/2011 03:00:00	2320	Projected
15/01/2011 04:00:00	2312	Projected
15/01/2011 05:00:00	2258	Projected
15/01/2011 06:00:00	2203	Projected
15/01/2011 07:00:00	2197	Projected
15/01/2011 08:00:00	2142	Projected
15/01/2011 09:00:00	2090	Projected
15/01/2011 10:00:00	2038	Projected
15/01/2011 11:00:00	1984	Projected
15/01/2011 12:00:00	1978	Projected
15/01/2011 13:00:00	1924	Projected
15/01/2011 14:00:00	1875	Projected
15/01/2011 15:00:00	1823	Projected
15/01/2011 16:00:00	1772	Projected
15/01/2011 17:00:00	1768	Projected
15/01/2011 18:00:00	1715	Projected
15/01/2011 19:00:00	1662	Projected
15/01/2011 20:00:00	1611	Projected
15/01/2011 21:00:00	1560	Projected
15/01/2011 22:00:00	1557	Projected
15/01/2011 23:00:00	1505	Projected
16/01/2011 00:00:00	1454	Projected
16/01/2011 01:00:00	1402	Projected
16/01/2011 02:00:00	1351	Projected
16/01/2011 03:00:00	1348	Projected

16/01/2011 04:00:00	1296	Projected
16/01/2011 05:00:00	1244	Projected
16/01/2011 06:00:00	1198	Projected
16/01/2011 07:00:00	1148	Projected
16/01/2011 08:00:00	1146	Projected
16/01/2011 09:00:00	1096	Projected
16/01/2011 10:00:00	1044	Projected
16/01/2011 11:00:00	993	Projected
16/01/2011 12:00:00	943	Projected
16/01/2011 13:00:00	941	Projected
16/01/2011 14:00:00	891	Projected
16/01/2011 15:00:00	840	Projected
16/01/2011 16:00:00	789	Projected
16/01/2011 17:00:00	739	Projected
16/01/2011 18:00:00	738	Projected
16/01/2011 19:00:00	688	Projected
16/01/2011 20:00:00	638	Projected
16/01/2011 21:00:00	587	Projected
16/01/2011 22:00:00	537	Projected
16/01/2011 23:00:00	537	Projected
17/01/2011 00:00:00	487	Projected
17/01/2011 01:00:00	444	Projected
17/01/2011 02:00:00	394	Projected
17/01/2011 03:00:00	344	Projected
17/01/2011 04:00:00	344	Projected
17/01/2011 05:00:00	300	Projected
17/01/2011 06:00:00	254	Projected
17/01/2011 07:00:00	208	Projected
17/01/2011 08:00:00	160	Projected

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and projected Wivenhoe releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Mon, 10 Jan 2011 09:56:26 +1000

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC 10/01/2011 9:07

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual

03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual

05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual

07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	167	Actual
07/01/2011 18:00:00	218	Actual
07/01/2011 19:00:00	268	Actual
07/01/2011 20:00:00	316	Actual
07/01/2011 21:00:00	364	Actual
07/01/2011 22:00:00	417	Actual
07/01/2011 23:00:00	470	Actual
08/01/2011 00:00:00	523	Actual
08/01/2011 01:00:00	576	Actual
08/01/2011 02:00:00	629	Actual
08/01/2011 03:00:00	683	Actual
08/01/2011 04:00:00	736	Actual
08/01/2011 05:00:00	789	Actual
08/01/2011 06:00:00	843	Actual
08/01/2011 07:00:00	897	Actual
08/01/2011 08:00:00	945	Actual
08/01/2011 09:00:00	998	Actual
08/01/2011 10:00:00	1051	Actual
08/01/2011 11:00:00	1104	Actual
08/01/2011 12:00:00	1158	Actual
08/01/2011 13:00:00	1209	Actual
08/01/2011 14:00:00	1261	Actual
08/01/2011 15:00:00	1262	Actual
08/01/2011 16:00:00	1262	Actual
08/01/2011 17:00:00	1263	Actual
08/01/2011 18:00:00	1263	Actual
08/01/2011 19:00:00	1263	Actual
08/01/2011 20:00:00	1263	Actual
08/01/2011 21:00:00	1263	Actual
08/01/2011 22:00:00	1263	Actual
08/01/2011 23:00:00	1263	Actual

09/01/2011 00:00:00	1263	Actual
09/01/2011 01:00:00	1262	Actual
09/01/2011 02:00:00	1308	Actual
09/01/2011 03:00:00	1308	Actual
09/01/2011 04:00:00	1307	Actual
09/01/2011 05:00:00	1359	Actual
09/01/2011 06:00:00	1358	Actual
09/01/2011 07:00:00	1357	Actual
09/01/2011 08:00:00	1356	Actual
09/01/2011 09:00:00	1356	Actual
09/01/2011 10:00:00	1355	Actual
09/01/2011 11:00:00	1355	Actual
09/01/2011 12:00:00	1407	Actual
09/01/2011 13:00:00	1407	Actual
09/01/2011 14:00:00	1408	Actual
09/01/2011 15:00:00	1410	Actual
09/01/2011 16:00:00	1412	Actual
09/01/2011 17:00:00	1415	Actual
09/01/2011 18:00:00	1418	Actual
09/01/2011 19:00:00	1422	Actual
09/01/2011 20:00:00	1427	Actual
09/01/2011 21:00:00	1432	Actual
09/01/2011 22:00:00	1439	Actual
09/01/2011 23:00:00	1447	Actual
10/01/2011 00:00:00	1457	Actual
10/01/2011 01:00:00	1468	Actual
10/01/2011 02:00:00	1534	Actual
10/01/2011 03:00:00	1602	Actual
10/01/2011 04:00:00	1670	Actual
10/01/2011 05:00:00	1739	Actual
10/01/2011 06:00:00	1807	Actual
10/01/2011 07:00:00	1876	Actual
10/01/2011 08:00:00	1946	Actual
10/01/2011 09:00:00	2016	Actual
10/01/2011 10:00:00	2029	Projected
10/01/2011 11:00:00	2042	Projected
10/01/2011 12:00:00	2053	Projected
10/01/2011 13:00:00	2063	Projected
10/01/2011 14:00:00	2072	Projected
10/01/2011 15:00:00	2080	Projected
10/01/2011 16:00:00	2088	Projected
10/01/2011 17:00:00	2095	Projected
10/01/2011 18:00:00	2100	Projected

10/01/2011 19:00:00	2106	Projected
10/01/2011 20:00:00	2110	Projected
10/01/2011 21:00:00	2115	Projected
10/01/2011 22:00:00	2118	Projected
10/01/2011 23:00:00	2122	Projected
11/01/2011 00:00:00	2125	Projected
11/01/2011 01:00:00	2127	Projected
11/01/2011 02:00:00	2130	Projected
11/01/2011 03:00:00	2132	Projected
11/01/2011 04:00:00	2133	Projected
11/01/2011 05:00:00	2135	Projected
11/01/2011 06:00:00	2423	Projected
11/01/2011 07:00:00	2536	Projected
11/01/2011 08:00:00	2651	Projected
11/01/2011 09:00:00	2708	Projected
11/01/2011 10:00:00	2707	Projected
11/01/2011 11:00:00	2707	Projected
11/01/2011 12:00:00	2706	Projected
11/01/2011 13:00:00	2705	Projected
11/01/2011 14:00:00	2704	Projected
11/01/2011 15:00:00	2702	Projected
11/01/2011 16:00:00	2701	Projected
11/01/2011 17:00:00	2699	Projected
11/01/2011 18:00:00	2698	Projected
11/01/2011 19:00:00	2696	Projected
11/01/2011 20:00:00	2694	Projected
11/01/2011 21:00:00	2692	Projected
11/01/2011 22:00:00	2690	Projected
11/01/2011 23:00:00	2688	Projected
12/01/2011 00:00:00	2685	Projected
12/01/2011 01:00:00	2683	Projected
12/01/2011 02:00:00	2681	Projected
12/01/2011 03:00:00	2678	Projected
12/01/2011 04:00:00	2675	Projected
12/01/2011 05:00:00	2673	Projected
12/01/2011 06:00:00	2670	Projected
12/01/2011 07:00:00	2667	Projected
12/01/2011 08:00:00	2664	Projected
12/01/2011 09:00:00	2662	Projected
12/01/2011 10:00:00	2659	Projected
12/01/2011 11:00:00	2656	Projected
12/01/2011 12:00:00	2653	Projected
12/01/2011 13:00:00	2650	Projected

12/01/2011 14:00:00	2646	Projected
12/01/2011 15:00:00	2643	Projected
12/01/2011 16:00:00	2640	Projected
12/01/2011 17:00:00	2637	Projected
12/01/2011 18:00:00	2634	Projected
12/01/2011 19:00:00	2630	Projected
12/01/2011 20:00:00	2627	Projected
12/01/2011 21:00:00	2624	Projected
12/01/2011 22:00:00	2620	Projected
12/01/2011 23:00:00	2617	Projected
13/01/2011 00:00:00	2614	Projected
13/01/2011 01:00:00	2610	Projected
13/01/2011 02:00:00	2607	Projected
13/01/2011 03:00:00	2603	Projected
13/01/2011 04:00:00	2600	Projected
13/01/2011 05:00:00	2596	Projected
13/01/2011 06:00:00	2593	Projected
13/01/2011 07:00:00	2589	Projected
13/01/2011 08:00:00	2585	Projected
13/01/2011 09:00:00	2580	Projected
13/01/2011 10:00:00	2576	Projected
13/01/2011 11:00:00	2570	Projected
13/01/2011 12:00:00	2565	Projected
13/01/2011 13:00:00	2560	Projected
13/01/2011 14:00:00	2554	Projected
13/01/2011 15:00:00	2548	Projected
13/01/2011 16:00:00	2542	Projected
13/01/2011 17:00:00	2536	Projected
13/01/2011 18:00:00	2531	Projected
13/01/2011 19:00:00	2524	Projected
13/01/2011 20:00:00	2518	Projected
13/01/2011 21:00:00	2511	Projected
13/01/2011 22:00:00	2505	Projected
13/01/2011 23:00:00	2498	Projected
14/01/2011 00:00:00	2492	Projected
14/01/2011 01:00:00	2485	Projected
14/01/2011 02:00:00	2479	Projected
14/01/2011 03:00:00	2472	Projected
14/01/2011 04:00:00	2465	Projected
14/01/2011 05:00:00	2459	Projected
14/01/2011 06:00:00	2452	Projected
14/01/2011 07:00:00	2445	Projected
14/01/2011 08:00:00	2439	Projected

14/01/2011 09:00:00	2432	Projected
14/01/2011 10:00:00	2425	Projected
14/01/2011 11:00:00	2418	Projected
14/01/2011 12:00:00	2411	Projected
14/01/2011 13:00:00	2404	Projected
14/01/2011 14:00:00	2397	Projected
14/01/2011 15:00:00	2390	Projected
14/01/2011 16:00:00	2383	Projected
14/01/2011 17:00:00	2376	Projected
14/01/2011 18:00:00	2369	Projected
14/01/2011 19:00:00	2362	Projected
14/01/2011 20:00:00	2355	Projected
14/01/2011 21:00:00	2348	Projected
14/01/2011 22:00:00	2341	Projected
14/01/2011 23:00:00	2333	Projected
15/01/2011 00:00:00	2326	Projected
15/01/2011 01:00:00	2319	Projected
15/01/2011 02:00:00	2312	Projected
15/01/2011 03:00:00	2304	Projected
15/01/2011 04:00:00	2297	Projected
15/01/2011 05:00:00	2243	Projected
15/01/2011 06:00:00	2188	Projected
15/01/2011 07:00:00	2182	Projected
15/01/2011 08:00:00	2128	Projected
15/01/2011 09:00:00	2075	Projected
15/01/2011 10:00:00	2024	Projected
15/01/2011 11:00:00	1970	Projected
15/01/2011 12:00:00	1964	Projected
15/01/2011 13:00:00	1911	Projected
15/01/2011 14:00:00	1862	Projected
15/01/2011 15:00:00	1810	Projected
15/01/2011 16:00:00	1760	Projected
15/01/2011 17:00:00	1755	Projected
15/01/2011 18:00:00	1702	Projected
15/01/2011 19:00:00	1650	Projected
15/01/2011 20:00:00	1600	Projected
15/01/2011 21:00:00	1549	Projected
15/01/2011 22:00:00	1545	Projected
15/01/2011 23:00:00	1494	Projected
16/01/2011 00:00:00	1444	Projected
16/01/2011 01:00:00	1392	Projected
16/01/2011 02:00:00	1341	Projected
16/01/2011 03:00:00	1338	Projected

16/01/2011 04:00:00	1286	Projected
16/01/2011 05:00:00	1235	Projected
16/01/2011 06:00:00	1189	Projected
16/01/2011 07:00:00	1140	Projected
16/01/2011 08:00:00	1137	Projected
16/01/2011 09:00:00	1088	Projected
16/01/2011 10:00:00	1037	Projected
16/01/2011 11:00:00	986	Projected
16/01/2011 12:00:00	936	Projected
16/01/2011 13:00:00	934	Projected
16/01/2011 14:00:00	885	Projected
16/01/2011 15:00:00	834	Projected
16/01/2011 16:00:00	783	Projected
16/01/2011 17:00:00	733	Projected
16/01/2011 18:00:00	733	Projected
16/01/2011 19:00:00	683	Projected
16/01/2011 20:00:00	633	Projected
16/01/2011 21:00:00	583	Projected
16/01/2011 22:00:00	533	Projected
16/01/2011 23:00:00	533	Projected
17/01/2011 00:00:00	483	Projected
17/01/2011 01:00:00	440	Projected
17/01/2011 02:00:00	391	Projected
17/01/2011 03:00:00	342	Projected
17/01/2011 04:00:00	342	Projected
17/01/2011 05:00:00	298	Projected
17/01/2011 06:00:00	253	Projected
17/01/2011 07:00:00	206	Projected
17/01/2011 08:00:00	159	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 12:00 on Monday 10 January 2011

From: Duty Engineer [REDACTED]
To: "John Ruffini (Home)" [REDACTED] David Roberts
 [REDACTED] Paul Bird
 [REDACTED] Peter Allen [REDACTED]
 [REDACTED] Rohan Thorogood [REDACTED]
 [REDACTED] Al Navaruk
 [REDACTED] Bill Stephens [REDACTED] David
 Pokarier [REDACTED] John West [REDACTED] Lou van
 Blerk [REDACTED] Mark Tan [REDACTED] Nev Ablitt
 [REDACTED]
 [REDACTED] Glenn
 Patterson [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam
 Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Andy Bickerton [REDACTED] Deb Chandler
 [REDACTED], Mailbox [REDACTED] Tony Trace
 [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED] Santina Pennisi
 [REDACTED]
Date: Mon, 10 Jan 2011 12:15:52 +1000

Rainfall

Rainfall has continued in the dam catchments over the last 6 hours, with approximate catchment averages as follows: North Pine (30mm); Wivenhoe Dam (20mm); Somerset Dam (40mm). A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (75mm to 150mm); Wivenhoe/Somerset Dam Catchments (50mm – 100mm).

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 40.00m AHD and relatively steady (storing 9,000ML above FSL). Five gates are open and releasing 500 m3/s. The inflow into the dam since the commencement of the event is 63,000 ML. Estimated event volume is 77,000 ML assuming no further rainfall. Gate operations will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.11m AHD and rising (storing 210,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m³/s. Five sluice gates are open releasing about 1,100m³/s (95,000ML/day) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5m AHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected.

Since the commencement of the event on 02/01/2011 approximately 182,000ML has been released from the dam into Wivenhoe, with an event total of the order of 520,000ML expected. This is expected to increase due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Thursday 13 January 2011.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 71.95m AHD and rising quickly (storing 610,000 ML above FSL). Peak inflow to the dam is estimated to be about 8,800m³/s. Five radial gates are open releasing about 2000m³/s (170,000ML/day) into the Brisbane River. At this stage, the dam will reach about 73.5m AHD during Tuesday morning. Flows in the Brisbane River above the dam at Gregor's Creek peaked at 7,350m³/s and this peak is bigger than both the January 1974 and February 1999 flood events at this location.

The objective for dam operations is to minimise the impact of urban flooding in areas downstream of the dam and the current aim is to keep river flows in the lower Brisbane River below 3,500m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m³/s.

Since the commencement of the event on 02/01/2011 approximately 325,000ML has been released from the dam, with an event total approaching 1,600,000ML without further rain and as much as 2,100,000ML with forecast rainfall of (both including Somerset outflow). At this stage, releases will continue until at least Sunday 16 January 2011.

The volume between the expected peak (73.5m AHD) and the level at which the safety of the dam becomes the primary objective in managing flood releases (74.0m AHD) is 75,000ML. The volume between the expected peak (73.5m AHD) and initiation of the first Fuse Plug is 330,000ML.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Saturday 15 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam. If the predicted rainfall eventuates in the downstream tributary catchments the resultant combined flows in the lower Brisbane may exceed the threshold of damaging discharge in the urban areas within the next 24 to 48 hours. Currently the estimate peak flow in the lower Brisbane River will be the highest since Wivenhoe Dam was completed in 1984 but still well below flows the 1974 levels.

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the updated Wivenhoe operating strategy.

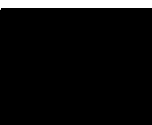
Outlook

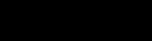
Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Mon, 10 Jan 2011 14:37:40 +1000

Actual and Projected Wivenhoe Releases		
Source: Seqwater	10/01/2011 13:56	
02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual

03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual

05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual

06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	102	Actual
07/01/2011 16:00:00	117	Actual
07/01/2011 17:00:00	169	Actual
07/01/2011 18:00:00	220	Actual
07/01/2011 19:00:00	270	Actual
07/01/2011 20:00:00	319	Actual
07/01/2011 21:00:00	367	Actual
07/01/2011 22:00:00	420	Actual
07/01/2011 23:00:00	473	Actual
08/01/2011 00:00:00	526	Actual
08/01/2011 01:00:00	579	Actual
08/01/2011 02:00:00	633	Actual
08/01/2011 03:00:00	686	Actual
08/01/2011 04:00:00	740	Actual
08/01/2011 05:00:00	793	Actual
08/01/2011 06:00:00	847	Actual
08/01/2011 07:00:00	901	Actual
08/01/2011 08:00:00	950	Actual
08/01/2011 09:00:00	1003	Actual
08/01/2011 10:00:00	1056	Actual
08/01/2011 11:00:00	1110	Actual
08/01/2011 12:00:00	1163	Actual
08/01/2011 13:00:00	1215	Actual
08/01/2011 14:00:00	1267	Actual
08/01/2011 15:00:00	1267	Actual

08/01/2011 16:00:00	1267	Actual
08/01/2011 17:00:00	1267	Actual
08/01/2011 18:00:00	1267	Actual
08/01/2011 19:00:00	1267	Actual
08/01/2011 20:00:00	1267	Actual
08/01/2011 21:00:00	1266	Actual
08/01/2011 22:00:00	1266	Actual
08/01/2011 23:00:00	1265	Actual
09/01/2011 00:00:00	1265	Actual
09/01/2011 01:00:00	1264	Actual
09/01/2011 02:00:00	1309	Actual
09/01/2011 03:00:00	1308	Actual
09/01/2011 04:00:00	1308	Actual
09/01/2011 05:00:00	1358	Actual
09/01/2011 06:00:00	1357	Actual
09/01/2011 07:00:00	1356	Actual
09/01/2011 08:00:00	1355	Actual
09/01/2011 09:00:00	1355	Actual
09/01/2011 10:00:00	1354	Actual
09/01/2011 11:00:00	1354	Actual
09/01/2011 12:00:00	1406	Actual
09/01/2011 13:00:00	1407	Actual
09/01/2011 14:00:00	1408	Actual
09/01/2011 15:00:00	1410	Actual
09/01/2011 16:00:00	1414	Actual
09/01/2011 17:00:00	1419	Actual
09/01/2011 18:00:00	1424	Actual
09/01/2011 19:00:00	1431	Actual
09/01/2011 20:00:00	1439	Actual
09/01/2011 21:00:00	1447	Actual
09/01/2011 22:00:00	1457	Actual
09/01/2011 23:00:00	1467	Actual
10/01/2011 00:00:00	1478	Actual
10/01/2011 01:00:00	1489	Actual
10/01/2011 02:00:00	1555	Actual
10/01/2011 03:00:00	1622	Actual
10/01/2011 04:00:00	1688	Actual
10/01/2011 05:00:00	1756	Actual
10/01/2011 06:00:00	1823	Actual
10/01/2011 07:00:00	1891	Actual
10/01/2011 08:00:00	1960	Actual

10/01/2011 09:00:00	2029	Actual
10/01/2011 10:00:00	2042	Actual
10/01/2011 11:00:00	2055	Actual
10/01/2011 12:00:00	2066	Actual
10/01/2011 13:00:00	2080	Actual
10/01/2011 14:00:00	2093	Projected
10/01/2011 15:00:00	2105	Projected
10/01/2011 16:00:00	2115	Projected
10/01/2011 17:00:00	2125	Projected
10/01/2011 18:00:00	2191	Projected
10/01/2011 19:00:00	2313	Projected
10/01/2011 20:00:00	2439	Projected
10/01/2011 21:00:00	2560	Projected
10/01/2011 22:00:00	2683	Projected
10/01/2011 23:00:00	2746	Projected
11/01/2011 00:00:00	2752	Projected
11/01/2011 01:00:00	2756	Projected
11/01/2011 02:00:00	2760	Projected
11/01/2011 03:00:00	2762	Projected
11/01/2011 04:00:00	2765	Projected
11/01/2011 05:00:00	2766	Projected
11/01/2011 06:00:00	2768	Projected
11/01/2011 07:00:00	2769	Projected
11/01/2011 08:00:00	2769	Projected
11/01/2011 09:00:00	2769	Projected
11/01/2011 10:00:00	2769	Projected
11/01/2011 11:00:00	2769	Projected
11/01/2011 12:00:00	2769	Projected
11/01/2011 13:00:00	2768	Projected
11/01/2011 14:00:00	2767	Projected
11/01/2011 15:00:00	2766	Projected
11/01/2011 16:00:00	2765	Projected
11/01/2011 17:00:00	2764	Projected
11/01/2011 18:00:00	2762	Projected
11/01/2011 19:00:00	2760	Projected
11/01/2011 20:00:00	2758	Projected
11/01/2011 21:00:00	2756	Projected
11/01/2011 22:00:00	2754	Projected
11/01/2011 23:00:00	2752	Projected
12/01/2011 00:00:00	2750	Projected
12/01/2011 01:00:00	2747	Projected

12/01/2011 02:00:00	2745	Projected
12/01/2011 03:00:00	2742	Projected
12/01/2011 04:00:00	2740	Projected
12/01/2011 05:00:00	2737	Projected
12/01/2011 06:00:00	2734	Projected
12/01/2011 07:00:00	2731	Projected
12/01/2011 08:00:00	2729	Projected
12/01/2011 09:00:00	2726	Projected
12/01/2011 10:00:00	2723	Projected
12/01/2011 11:00:00	2720	Projected
12/01/2011 12:00:00	2716	Projected
12/01/2011 13:00:00	2713	Projected
12/01/2011 14:00:00	2710	Projected
12/01/2011 15:00:00	2707	Projected
12/01/2011 16:00:00	2704	Projected
12/01/2011 17:00:00	2700	Projected
12/01/2011 18:00:00	2697	Projected
12/01/2011 19:00:00	2694	Projected
12/01/2011 20:00:00	2690	Projected
12/01/2011 21:00:00	2687	Projected
12/01/2011 22:00:00	2684	Projected
12/01/2011 23:00:00	2680	Projected
13/01/2011 00:00:00	2677	Projected
13/01/2011 01:00:00	2673	Projected
13/01/2011 02:00:00	2670	Projected
13/01/2011 03:00:00	2666	Projected
13/01/2011 04:00:00	2663	Projected
13/01/2011 05:00:00	2659	Projected
13/01/2011 06:00:00	2656	Projected
13/01/2011 07:00:00	2652	Projected
13/01/2011 08:00:00	2649	Projected
13/01/2011 09:00:00	2645	Projected
13/01/2011 10:00:00	2641	Projected
13/01/2011 11:00:00	2638	Projected
13/01/2011 12:00:00	2634	Projected
13/01/2011 13:00:00	2629	Projected
13/01/2011 14:00:00	2624	Projected
13/01/2011 15:00:00	2618	Projected
13/01/2011 16:00:00	2612	Projected
13/01/2011 17:00:00	2607	Projected
13/01/2011 18:00:00	2601	Projected

13/01/2011 19:00:00	2595	Projected
13/01/2011 20:00:00	2590	Projected
13/01/2011 21:00:00	2584	Projected
13/01/2011 22:00:00	2578	Projected
13/01/2011 23:00:00	2572	Projected
14/01/2011 00:00:00	2566	Projected
14/01/2011 01:00:00	2561	Projected
14/01/2011 02:00:00	2555	Projected
14/01/2011 03:00:00	2549	Projected
14/01/2011 04:00:00	2543	Projected
14/01/2011 05:00:00	2537	Projected
14/01/2011 06:00:00	2531	Projected
14/01/2011 07:00:00	2525	Projected
14/01/2011 08:00:00	2519	Projected
14/01/2011 09:00:00	2513	Projected
14/01/2011 10:00:00	2507	Projected
14/01/2011 11:00:00	2501	Projected
14/01/2011 12:00:00	2495	Projected
14/01/2011 13:00:00	2489	Projected
14/01/2011 14:00:00	2483	Projected
14/01/2011 15:00:00	2476	Projected
14/01/2011 16:00:00	2470	Projected
14/01/2011 17:00:00	2464	Projected
14/01/2011 18:00:00	2458	Projected
14/01/2011 19:00:00	2452	Projected
14/01/2011 20:00:00	2445	Projected
14/01/2011 21:00:00	2439	Projected
14/01/2011 22:00:00	2433	Projected
14/01/2011 23:00:00	2427	Projected
15/01/2011 00:00:00	2420	Projected
15/01/2011 01:00:00	2414	Projected
15/01/2011 02:00:00	2408	Projected
15/01/2011 03:00:00	2401	Projected
15/01/2011 04:00:00	2395	Projected
15/01/2011 05:00:00	2339	Projected
15/01/2011 06:00:00	2282	Projected
15/01/2011 07:00:00	2276	Projected
15/01/2011 08:00:00	2220	Projected
15/01/2011 09:00:00	2166	Projected
15/01/2011 10:00:00	2112	Projected
15/01/2011 11:00:00	2056	Projected

15/01/2011 12:00:00	2051	Projected
15/01/2011 13:00:00	1995	Projected
15/01/2011 14:00:00	1944	Projected
15/01/2011 15:00:00	1891	Projected
15/01/2011 16:00:00	1838	Projected
15/01/2011 17:00:00	1833	Projected
15/01/2011 18:00:00	1779	Projected
15/01/2011 19:00:00	1724	Projected
15/01/2011 20:00:00	1671	Projected
15/01/2011 21:00:00	1619	Projected
15/01/2011 22:00:00	1615	Projected
15/01/2011 23:00:00	1562	Projected
16/01/2011 00:00:00	1509	Projected
16/01/2011 01:00:00	1456	Projected
16/01/2011 02:00:00	1402	Projected
16/01/2011 03:00:00	1400	Projected
16/01/2011 04:00:00	1346	Projected
16/01/2011 05:00:00	1292	Projected
16/01/2011 06:00:00	1244	Projected
16/01/2011 07:00:00	1192	Projected
16/01/2011 08:00:00	1190	Projected
16/01/2011 09:00:00	1138	Projected
16/01/2011 10:00:00	1085	Projected
16/01/2011 11:00:00	1031	Projected
16/01/2011 12:00:00	979	Projected
16/01/2011 13:00:00	978	Projected
16/01/2011 14:00:00	926	Projected
16/01/2011 15:00:00	873	Projected
16/01/2011 16:00:00	820	Projected
16/01/2011 17:00:00	768	Projected
16/01/2011 18:00:00	767	Projected
16/01/2011 19:00:00	715	Projected
16/01/2011 20:00:00	663	Projected
16/01/2011 21:00:00	611	Projected
16/01/2011 22:00:00	559	Projected
16/01/2011 23:00:00	559	Projected
17/01/2011 00:00:00	507	Projected
17/01/2011 01:00:00	462	Projected
17/01/2011 02:00:00	410	Projected
17/01/2011 03:00:00	359	Projected
17/01/2011 04:00:00	358	Projected

17/01/2011 05:00:00	312	Projected
17/01/2011 06:00:00	264	Projected
17/01/2011 07:00:00	216	Projected
17/01/2011 08:00:00	166	Projected
17/01/2011 09:00:00	166	Projected
17/01/2011 10:00:00	115	Projected
17/01/2011 11:00:00	64	Projected
17/01/2011 12:00:00	13	Projected
17/01/2011 13:00:00	13	Projected
17/01/2011 14:00:00	13	Projected
17/01/2011 15:00:00	13	Projected
17/01/2011 16:00:00	13	Projected
17/01/2011 17:00:00	13	Projected
17/01/2011 18:00:00	13	Projected
17/01/2011 19:00:00	13	Projected
17/01/2011 20:00:00	13	Projected
17/01/2011 21:00:00	13	Projected
17/01/2011 22:00:00	13	Projected
17/01/2011 23:00:00	13	Projected
18/01/2011 00:00:00	13	Projected
18/01/2011 01:00:00	13	Projected
18/01/2011 02:00:00	13	Projected
18/01/2011 03:00:00	13	Projected
18/01/2011 04:00:00	13	Projected
18/01/2011 05:00:00	13	Projected
18/01/2011 06:00:00	13	Projected
18/01/2011 07:00:00	13	Projected
18/01/2011 08:00:00	13	Projected
18/01/2011 09:00:00	13	Projected
18/01/2011 10:00:00	13	Projected
18/01/2011 11:00:00	13	Projected
18/01/2011 12:00:00	13	Projected
18/01/2011 13:00:00	13	Projected
18/01/2011 14:00:00	13	Projected
18/01/2011 15:00:00	13	Projected
18/01/2011 16:00:00	13	Projected
18/01/2011 17:00:00	13	Projected
18/01/2011 18:00:00	13	Projected
18/01/2011 19:00:00	13	Projected
18/01/2011 20:00:00	13	Projected
18/01/2011 21:00:00	13	Projected

18/01/2011 22:00:00	13	Projected
18/01/2011 23:00:00	13	Projected
19/01/2011 00:00:00	13	Projected
19/01/2011 01:00:00	13	Projected
19/01/2011 02:00:00	13	Projected
19/01/2011 03:00:00	13	Projected
19/01/2011 04:00:00	13	Projected
19/01/2011 05:00:00	13	Projected
19/01/2011 06:00:00	13	Projected
19/01/2011 07:00:00	13	Projected
19/01/2011 08:00:00	13	Projected
19/01/2011 09:00:00	13	Projected
19/01/2011 10:00:00	13	Projected
19/01/2011 11:00:00	13	Projected
19/01/2011 12:00:00	13	Projected
19/01/2011 13:00:00	13	Projected
19/01/2011 14:00:00	13	Projected
19/01/2011 15:00:00	13	Projected
19/01/2011 16:00:00	13	Projected
19/01/2011 17:00:00	13	Projected
19/01/2011 18:00:00	13	Projected
19/01/2011 19:00:00	13	Projected
19/01/2011 20:00:00	13	Projected
19/01/2011 21:00:00	13	Projected
19/01/2011 22:00:00	13	Projected
19/01/2011 23:00:00	13	Projected
20/01/2011 00:00:00	13	Projected
20/01/2011 01:00:00	13	Projected
20/01/2011 02:00:00	13	Projected
20/01/2011 03:00:00	13	Projected
20/01/2011 04:00:00	13	Projected
20/01/2011 05:00:00	13	Projected
20/01/2011 06:00:00	13	Projected
20/01/2011 07:00:00	13	Projected
20/01/2011 08:00:00	13	Projected
20/01/2011 09:00:00	13	Projected
20/01/2011 10:00:00	13	Projected
20/01/2011 11:00:00	13	Projected
20/01/2011 12:00:00	13	Projected
20/01/2011 13:00:00	13	Projected
20/01/2011 14:00:00	13	Projected

20/01/2011 15:00:00	13	Projected
20/01/2011 16:00:00	13	Projected
20/01/2011 17:00:00	13	Projected
20/01/2011 18:00:00	13	Projected
20/01/2011 19:00:00	13	Projected
20/01/2011 20:00:00	13	Projected
20/01/2011 21:00:00	13	Projected
20/01/2011 22:00:00	13	Projected
20/01/2011 23:00:00	13	Projected
21/01/2011 00:00:00	13	Projected
21/01/2011 01:00:00	13	Projected
21/01/2011 02:00:00	13	Projected
21/01/2011 03:00:00	13	Projected
21/01/2011 04:00:00	13	Projected
21/01/2011 05:00:00	13	Projected
21/01/2011 06:00:00	13	Projected
21/01/2011 07:00:00	13	Projected
21/01/2011 08:00:00	13	Projected
21/01/2011 09:00:00	13	Projected
21/01/2011 10:00:00	13	Projected
21/01/2011 11:00:00	13	Projected
21/01/2011 12:00:00	13	Projected
21/01/2011 13:00:00	13	Projected
21/01/2011 14:00:00	13	Projected
21/01/2011 15:00:00	13	Projected
21/01/2011 16:00:00	13	Projected
21/01/2011 17:00:00	13	Projected
21/01/2011 18:00:00	13	Projected
21/01/2011 19:00:00	13	Projected
21/01/2011 20:00:00	13	Projected
21/01/2011 21:00:00	13	Projected
21/01/2011 22:00:00	13	Projected
21/01/2011 23:00:00	13	Projected
22/01/2011 00:00:00	13	Projected
22/01/2011 01:00:00	13	Projected
22/01/2011 02:00:00	13	Projected
22/01/2011 03:00:00	13	Projected
22/01/2011 04:00:00	13	Projected
22/01/2011 05:00:00	13	Projected
22/01/2011 06:00:00	13	Projected
22/01/2011 07:00:00	13	Projected

22/01/2011 08:00:00	13	Projected
22/01/2011 09:00:00	13	Projected
22/01/2011 10:00:00	13	Projected
22/01/2011 11:00:00	13	Projected
22/01/2011 12:00:00	13	Projected
22/01/2011 13:00:00	13	Projected
22/01/2011 14:00:00	13	Projected
22/01/2011 15:00:00	13	Projected
22/01/2011 16:00:00	13	Projected
22/01/2011 17:00:00	13	Projected
22/01/2011 18:00:00	13	Projected
22/01/2011 19:00:00	13	Projected
22/01/2011 20:00:00	13	Projected
22/01/2011 21:00:00	13	Projected
22/01/2011 22:00:00	13	Projected
22/01/2011 23:00:00	13	Projected
23/01/2011 00:00:00	13	Projected
23/01/2011 01:00:00	13	Projected
23/01/2011 02:00:00	13	Projected
23/01/2011 03:00:00	13	Projected
23/01/2011 04:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the

sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

RE: FOC Situation Report at 12:00 on Monday 10 January 2011

From: Duty Engineer <[REDACTED]>
 To: Duty Engineer <[REDACTED]> "John Ruffini (Home)" <[REDACTED]>
 David Roberts <[REDACTED]>
 [REDACTED] Paul Bird <[REDACTED]>, Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED]
 Al Navaruk <[REDACTED]>, Bill Stephens
 [REDACTED], David Pokarier <[REDACTED]>, John
 West <[REDACTED]>, Lou van Blerk <[REDACTED]>, Mark Tan
 [REDACTED] Nev Ablitt <[REDACTED]>
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian
 [REDACTED] Doug Grigg <[REDACTED]>
 [REDACTED] Graham Francis <[REDACTED]>, Jayam
 Tennakoon <[REDACTED]>, Matthew O'Reilly <[REDACTED]>
 Cc: Andy Bickerton <[REDACTED]>, Deb Chandler
 [REDACTED], Tony Trace
 [REDACTED] Chris Lavin <[REDACTED]>, Craig Logan
 [REDACTED], Don Carroll <[REDACTED]>, Evan
 Caswell <[REDACTED]>, James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn <[REDACTED]>, Santina Pennisi
 [REDACTED]
 Date: Mon, 10 Jan 2011 14:58:04 +1000

Rainfall

Significant rainfall has fallen in the Wivenhoe Dam catchment over the last 3 hours, with falls exceeding 100mm. This rainfall will significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (75mm to 150mm); Wivenhoe/Somerset Dam Catchments (50mm – 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.41m AHD and rising. Peak inflow to the dam is estimated to be about 4,200 m³/s. Five sluice gates are open releasing about 1,100m³/s (95,000ML/day) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5m AHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 72.41m AHD and rising quickly. The rainfall experienced over the last 2 to 3 hours will result in significant further inflows into the dam and releases from the dam will need to be increased in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m³/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.

Five radial gates are currently open at the dam releasing about 2,000m³/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m³/s over the next 9 hours (commencing at 1500). At this stage, the dam will reach about 73.8m AHD during Tuesday morning.

The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m³/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m³/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 00:00 Tuesday 11 Janaury 2011

From: Duty Engineer <[REDACTED]>
 To: David Roberts <[REDACTED]>
 [REDACTED] Paul Bird <[REDACTED]>, Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED]
 Al Navaruk <[REDACTED]>, Bill Stephens
 [REDACTED] David Pokarier <[REDACTED]>, John
 West <[REDACTED]>, Lou van Blerk <[REDACTED]>, Mark Tan
 [REDACTED] Nev Ablitt <[REDACTED]>
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian <[REDACTED]>
 [REDACTED] Doug Grigg <[REDACTED]>
 [REDACTED] Graham Francis <[REDACTED]>, Jayam
 Tennakoon <[REDACTED]>, Matthew O'Reilly <[REDACTED]>
 Cc: Andy Bickerton <[REDACTED]>, Deb Chandler
 [REDACTED] Tony Trace
 [REDACTED] Chris Lavin <[REDACTED]>, Craig Logan
 [REDACTED] Don Carroll <[REDACTED]>, Evan
 Caswell <[REDACTED]>, James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn <[REDACTED]>, Santina Pennisi
 [REDACTED]
 Date: Mon, 10 Jan 2011 23:55:48 +1000

Rainfall

Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments with falls of generally less than 20mm since 18:00 today. However, some isolated falls in the Upper Brisbane River of up to 110 mm have been recorded at Monsildale in this time. This rainfall will increase inflows into the dam.

A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm).

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 39.80m AHD and falling slowly (storing 4,400ML above FSL). Five gates are open, releasing 153 m³/s. The inflow into the dam since the commencement of the event is 74,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.40m AHD and falling slowly. Peak inflow to the dam is estimated to be about 4,200 m³/s. Total discharge into Wivenhoe Dam is currently 1700m³/s and this discharge will decrease slowly in the next 24 hours to be around 1200m³/s late Tuesday. The dam level peaked at 103.52m AHD at 19:00 on Monday 10 January 2011, unless further significant rainfall is experienced. Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 73.22m AHD and rising at about 50 mm/hour. Releases from the dam have been held at a rate of 2,750 m³/s since 19:30 hours. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.

The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall stations but it is considered to be very significant. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow may result in increases in Brisbane River levels below the junction of Lockyer Creek.

Five radial gates are currently open at the dam releasing about 2,750m³/s into the Brisbane River. At this stage, the dam will reach about 73.8m AHD during Tuesday afternoon.

The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m³/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m³/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

The BoM will provide further information regarding the magnitude of the flash flood event occurring in Lockyer Creek early Tuesday morning. Consideration will be given to modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate over the next 24 hours. The flood operation centre will continue to monitor the situation and provide situation reports every six hours until the situation stabilizes.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 18:00 on Monday 10 January 2011

From: Duty Engineer [REDACTED]
To: Duty Engineer [REDACTED] "John Ruffini (Home)" [REDACTED]
 David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED], Peter Allen
 [REDACTED] Rohan Thorogood [REDACTED]
 Al Navaruk [REDACTED] Bill Stephens [REDACTED]
 [REDACTED] David Pokarier [REDACTED], John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED] Nev Ablitt [REDACTED]
 [REDACTED] Glenn Patterson [REDACTED]
 [REDACTED] Murray Dunstan [REDACTED]
 [REDACTED] Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam [REDACTED]
 Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Andy Bickerton [REDACTED] Deb Chandler [REDACTED]
 [REDACTED] Tony Trace [REDACTED]
 [REDACTED] Chris Lavin [REDACTED] Craig Logan [REDACTED]
 [REDACTED] Don Carroll [REDACTED] Evan [REDACTED]
 Caswell [REDACTED] James Charalambous [REDACTED]
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi [REDACTED]
 [REDACTED]
Date: Mon, 10 Jan 2011 18:43:01 +1000

Rainfall

Only minor rainfall has been experienced in the North Pine Dam and Somerset Dam catchments with a catchment averages of less than 20mm.

However, significant rain has fallen in the Wivenhoe Dam catchment over the last 6 hours, with isolated falls exceeding 100mm. This rainfall has significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar.

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 39.84m AHD and falling slowly (storing 9,000ML above FSL). Five gates are open and releasing 362 m³/s. The inflow into the dam since the commencement of the event is 72,000 ML. Estimated event volume is 84,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.46m AHD and rising slowly. Peak inflow to the dam is estimated to be about 4,200 m³/s. Total discharge into Wivenhoe Dam is currently 1700m³/s and this discharge will decrease slowly in the next 24 hours to be around 1200m³/s late Tuesday. The dam level will peak at 103.5m AHD in the next few hours, unless further significant rainfall is experienced. Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 72.92m AHD and rising quickly. Releases from the dam have been increased over the last 3 hours in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m³/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. The flash flooding experienced in the upper areas of Lockyer Creek have been examined and are not expected to significantly increase Brisbane River flows above the current projection of 4000m³/s at Moggill.

Five radial gates are currently open at the dam releasing about 2,400m³/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m³/s. At this stage, the dam will reach about 73.8m AHD during Tuesday morning.

The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m³/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m³/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 06:00 on Tuesday 11 January 2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED] Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED]
 Al Navaruk [REDACTED] Bill Stephens
 [REDACTED] David Pokarier [REDACTED], John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED] Nev Ablitt [REDACTED]
 [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Gorian [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam
 Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Andy Bickerton [REDACTED] Deb Chandler [REDACTED]
 [REDACTED] Chris Lavin
 [REDACTED] Craig Logan [REDACTED] Don
 Carroll [REDACTED] Evan Caswell
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED] Tony Trace [REDACTED]
Date: Tue, 11 Jan 2011 06:12:26 +1000

Rainfall

Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments. Isolated falls in the Upper Brisbane River of up to 125 mm have been recorded with widespread falls of 40 to 70 mm in the Somerset Dam catchment. This rainfall will increase inflows into the dam.

There has also been 20 to 60 mm in the Lockyer Creek catchment in the last 12 hours with falls of up to 30 mm in the Bremer River.

A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm).

North Pine Dam (Full Supply Level 39.60 m AHD)

The dam level is 39.80m AHD and has commenced rising again (storing 4,400ML above FSL). Five gates are open releasing 177 m³/s. The inflow into the dam since the commencement of the event is 77,000 ML. Estimated event volume is 88,000 ML assuming no further rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011.

Somerset Dam (Full Supply Level 99.00 m AHD)

The dam level is 103.27m AHD and falling slowly. Peak inflow to the dam is estimated to be about 4,200 m³/s. Total discharge into Wivenhoe Dam is currently 1400 m³/s and this discharge will be decreased in the next few hours to be around 500 m³/s later on Tuesday. This is to ensure that the combined flood mitigation capacity in Somerset and Wivenhoe Dam is maximized.

The dam level peaked at 103.52m AHD at 19:00 on Monday 10 January 2011, (unless further significant rainfall is experienced). Areas around Kilcoy will continue to be adversely affected.

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

The dam level is 73.51m AHD and rising at about 25 mm/hour. Releases from the dam have been held at a rate of 2,750 m³/s since 19:30 hours on Monday 10 January 2011. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.

The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall stations but it is considered to be extreme. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow will result in increases in Brisbane River levels below the junction of Lockyer Creek.

Five radial gates are currently open at the dam releasing about 2,750m³/s into the Brisbane River. At this stage, the dam will reach just over 74.0m AHD during Tuesday evening.

Above EL 74.0m AHD the objective for dam operations is to maintain the security of the dam and minimise downstream flood flows if possible.

If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m³/s.

Impacts downstream of Wivenhoe Dam

The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees.

Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.

The BoM will provide further information regarding the magnitude of the flash flood event occurring in Lockyer Creek early Tuesday morning. Consideration was given to modifying the releases from Wivenhoe Dam to try to moderate the peak flows emanating from Lockyer Creek but the rainfall in the past 12 hours in the catchment above the dam makes this option not possible. Therefore instead of decreasing releases to accommodate the Lockyer Creek flows, the strategy will endeavour to maintain the current releases until Lockyer Creek peaks.

Outlook

Heavy rainfall continues throughout South East Queensland and the situation could deteriorate over the next 24 hours. The flood operation centre will continue to monitor the situation and provide situation reports every six hours until the situation stabilizes.

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Dam Projected Releases at 06:00 on Tuesday 11 January 2011

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Tue, 11 Jan 2011 06:14:26 +1000

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC

5:48

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual

03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual

05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual

07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	64	Actual
07/01/2011 16:00:00	116	Actual
07/01/2011 17:00:00	168	Actual
07/01/2011 18:00:00	218	Actual
07/01/2011 19:00:00	268	Actual
07/01/2011 20:00:00	317	Actual
07/01/2011 21:00:00	365	Actual
07/01/2011 22:00:00	418	Actual
07/01/2011 23:00:00	471	Actual
08/01/2011 00:00:00	524	Actual
08/01/2011 01:00:00	577	Actual
08/01/2011 02:00:00	631	Actual
08/01/2011 03:00:00	684	Actual
08/01/2011 04:00:00	738	Actual
08/01/2011 05:00:00	791	Actual
08/01/2011 06:00:00	845	Actual
08/01/2011 07:00:00	899	Actual
08/01/2011 08:00:00	947	Actual
08/01/2011 09:00:00	1000	Actual
08/01/2011 10:00:00	1053	Actual
08/01/2011 11:00:00	1107	Actual
08/01/2011 12:00:00	1160	Actual
08/01/2011 13:00:00	1212	Actual
08/01/2011 14:00:00	1264	Actual
08/01/2011 15:00:00	1264	Actual
08/01/2011 16:00:00	1265	Actual
08/01/2011 17:00:00	1265	Actual
08/01/2011 18:00:00	1266	Actual
08/01/2011 19:00:00	1266	Actual
08/01/2011 20:00:00	1266	Actual
08/01/2011 21:00:00	1266	Actual

08/01/2011 22:00:00	1266	Actual
08/01/2011 23:00:00	1266	Actual
09/01/2011 00:00:00	1266	Actual
09/01/2011 01:00:00	1265	Actual
09/01/2011 02:00:00	1311	Actual
09/01/2011 03:00:00	1311	Actual
09/01/2011 04:00:00	1310	Actual
09/01/2011 05:00:00	1362	Actual
09/01/2011 06:00:00	1361	Actual
09/01/2011 07:00:00	1360	Actual
09/01/2011 08:00:00	1360	Actual
09/01/2011 09:00:00	1359	Actual
09/01/2011 10:00:00	1358	Actual
09/01/2011 11:00:00	1358	Actual
09/01/2011 12:00:00	1411	Actual
09/01/2011 13:00:00	1411	Actual
09/01/2011 14:00:00	1412	Actual
09/01/2011 15:00:00	1413	Actual
09/01/2011 16:00:00	1416	Actual
09/01/2011 17:00:00	1419	Actual
09/01/2011 18:00:00	1423	Actual
09/01/2011 19:00:00	1427	Actual
09/01/2011 20:00:00	1432	Actual
09/01/2011 21:00:00	1438	Actual
09/01/2011 22:00:00	1445	Actual
09/01/2011 23:00:00	1453	Actual
10/01/2011 00:00:00	1463	Actual
10/01/2011 01:00:00	1474	Actual
10/01/2011 02:00:00	1540	Actual
10/01/2011 03:00:00	1608	Actual
10/01/2011 04:00:00	1676	Actual
10/01/2011 05:00:00	1745	Actual
10/01/2011 06:00:00	1814	Actual
10/01/2011 07:00:00	1883	Actual
10/01/2011 08:00:00	1953	Actual
10/01/2011 09:00:00	2023	Actual
10/01/2011 10:00:00	2036	Actual
10/01/2011 11:00:00	2049	Actual
10/01/2011 12:00:00	2061	Actual
10/01/2011 13:00:00	2074	Actual
10/01/2011 14:00:00	2085	Actual
10/01/2011 15:00:00	2094	Actual
10/01/2011 16:00:00	2160	Actual

10/01/2011 17:00:00	2280	Actual
10/01/2011 18:00:00	2403	Actual
10/01/2011 19:00:00	2523	Actual
10/01/2011 20:00:00	2702	Actual
10/01/2011 21:00:00	2709	Actual
10/01/2011 22:00:00	2716	Actual
10/01/2011 23:00:00	2722	Actual
11/01/2011 00:00:00	2728	Actual
11/01/2011 01:00:00	2734	Actual
11/01/2011 02:00:00	2739	Actual
11/01/2011 03:00:00	2743	Actual
11/01/2011 04:00:00	2748	Actual
11/01/2011 05:00:00	2751	Actual
11/01/2011 06:00:00	2754	Projected
11/01/2011 07:00:00	2757	Projected
11/01/2011 08:00:00	2758	Projected
11/01/2011 09:00:00	2759	Projected
11/01/2011 10:00:00	2760	Projected
11/01/2011 11:00:00	2762	Projected
11/01/2011 12:00:00	2763	Projected
11/01/2011 13:00:00	2766	Projected
11/01/2011 14:00:00	2768	Projected
11/01/2011 15:00:00	2771	Projected
11/01/2011 16:00:00	2775	Projected
11/01/2011 17:00:00	2778	Projected
11/01/2011 18:00:00	2782	Projected
11/01/2011 19:00:00	2785	Projected
11/01/2011 20:00:00	2788	Projected
11/01/2011 21:00:00	2791	Projected
11/01/2011 22:00:00	2793	Projected
11/01/2011 23:00:00	2795	Projected
12/01/2011 00:00:00	2797	Projected
12/01/2011 01:00:00	2798	Projected
12/01/2011 02:00:00	2799	Projected
12/01/2011 03:00:00	2799	Projected
12/01/2011 04:00:00	2799	Projected
12/01/2011 05:00:00	2799	Projected
12/01/2011 06:00:00	2799	Projected
12/01/2011 07:00:00	2798	Projected
12/01/2011 08:00:00	2797	Projected
12/01/2011 09:00:00	2796	Projected
12/01/2011 10:00:00	2794	Projected
12/01/2011 11:00:00	2792	Projected

12/01/2011 12:00:00	2790	Projected
12/01/2011 13:00:00	2788	Projected
12/01/2011 14:00:00	2844	Projected
12/01/2011 15:00:00	2899	Projected
12/01/2011 16:00:00	2896	Projected
12/01/2011 17:00:00	2950	Projected
12/01/2011 18:00:00	3004	Projected
12/01/2011 19:00:00	3057	Projected
12/01/2011 20:00:00	3053	Projected
12/01/2011 21:00:00	3105	Projected
12/01/2011 22:00:00	3100	Projected
12/01/2011 23:00:00	3151	Projected
13/01/2011 00:00:00	3202	Projected
13/01/2011 01:00:00	3196	Projected
13/01/2011 02:00:00	3246	Projected
13/01/2011 03:00:00	3296	Projected
13/01/2011 04:00:00	3290	Projected
13/01/2011 05:00:00	3283	Projected
13/01/2011 06:00:00	3277	Projected
13/01/2011 07:00:00	3270	Projected
13/01/2011 08:00:00	3263	Projected
13/01/2011 09:00:00	3257	Projected
13/01/2011 10:00:00	3250	Projected
13/01/2011 11:00:00	3243	Projected
13/01/2011 12:00:00	3236	Projected
13/01/2011 13:00:00	3229	Projected
13/01/2011 14:00:00	3221	Projected
13/01/2011 15:00:00	3214	Projected
13/01/2011 16:00:00	3207	Projected
13/01/2011 17:00:00	3199	Projected
13/01/2011 18:00:00	3192	Projected
13/01/2011 19:00:00	3184	Projected
13/01/2011 20:00:00	3177	Projected
13/01/2011 21:00:00	3169	Projected
13/01/2011 22:00:00	3161	Projected
13/01/2011 23:00:00	3154	Projected
14/01/2011 00:00:00	3146	Projected
14/01/2011 01:00:00	3138	Projected
14/01/2011 02:00:00	3130	Projected
14/01/2011 03:00:00	3122	Projected
14/01/2011 04:00:00	3114	Projected
14/01/2011 05:00:00	3105	Projected
14/01/2011 06:00:00	3097	Projected

14/01/2011 07:00:00	3090	Projected
14/01/2011 08:00:00	3083	Projected
14/01/2011 09:00:00	3076	Projected
14/01/2011 10:00:00	3070	Projected
14/01/2011 11:00:00	3065	Projected
14/01/2011 12:00:00	3060	Projected
14/01/2011 13:00:00	3055	Projected
14/01/2011 14:00:00	3049	Projected
14/01/2011 15:00:00	3044	Projected
14/01/2011 16:00:00	3038	Projected
14/01/2011 17:00:00	3033	Projected
14/01/2011 18:00:00	3027	Projected
14/01/2011 19:00:00	3021	Projected
14/01/2011 20:00:00	3015	Projected
14/01/2011 21:00:00	3009	Projected
14/01/2011 22:00:00	3003	Projected
14/01/2011 23:00:00	2997	Projected
15/01/2011 00:00:00	2991	Projected
15/01/2011 01:00:00	2985	Projected
15/01/2011 02:00:00	2979	Projected
15/01/2011 03:00:00	2973	Projected
15/01/2011 04:00:00	2966	Projected
15/01/2011 05:00:00	2960	Projected
15/01/2011 06:00:00	2954	Projected
15/01/2011 07:00:00	2947	Projected
15/01/2011 08:00:00	2941	Projected
15/01/2011 09:00:00	2935	Projected
15/01/2011 10:00:00	2928	Projected
15/01/2011 11:00:00	2922	Projected
15/01/2011 12:00:00	2915	Projected
15/01/2011 13:00:00	2909	Projected
15/01/2011 14:00:00	2902	Projected
15/01/2011 15:00:00	2895	Projected
15/01/2011 16:00:00	2889	Projected
15/01/2011 17:00:00	2882	Projected
15/01/2011 18:00:00	2875	Projected
15/01/2011 19:00:00	2869	Projected
15/01/2011 20:00:00	2862	Projected
15/01/2011 21:00:00	2855	Projected
15/01/2011 22:00:00	2848	Projected
15/01/2011 23:00:00	2840	Projected
16/01/2011 00:00:00	2832	Projected
16/01/2011 01:00:00	2824	Projected

16/01/2011 02:00:00	2815	Projected
16/01/2011 03:00:00	2805	Projected
16/01/2011 04:00:00	2795	Projected
16/01/2011 05:00:00	2785	Projected
16/01/2011 06:00:00	2775	Projected
16/01/2011 07:00:00	2675	Projected
16/01/2011 08:00:00	2576	Projected
16/01/2011 09:00:00	2523	Projected
16/01/2011 10:00:00	2424	Projected
16/01/2011 11:00:00	2325	Projected
16/01/2011 12:00:00	2271	Projected
16/01/2011 13:00:00	2218	Projected
16/01/2011 14:00:00	2164	Projected
16/01/2011 15:00:00	2110	Projected
16/01/2011 16:00:00	2058	Projected
16/01/2011 17:00:00	2007	Projected
16/01/2011 18:00:00	1954	Projected
16/01/2011 19:00:00	1901	Projected
16/01/2011 20:00:00	1852	Projected
16/01/2011 21:00:00	1801	Projected
16/01/2011 22:00:00	1750	Projected
16/01/2011 23:00:00	1698	Projected
17/01/2011 00:00:00	1646	Projected
17/01/2011 01:00:00	1595	Projected
17/01/2011 02:00:00	1545	Projected
17/01/2011 03:00:00	1494	Projected
17/01/2011 04:00:00	1443	Projected
17/01/2011 05:00:00	1392	Projected
17/01/2011 06:00:00	1341	Projected
17/01/2011 07:00:00	1289	Projected
17/01/2011 08:00:00	1237	Projected

Duty Engineer

Flood Operations Centre

Phone



Fax: [REDACTED]

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED], James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED], Santina Pennisi
 [REDACTED]

Date: Tue, 11 Jan 2011 08:10:42 +1000

Note that Wivenhoe releases will be increased from the current 2,800 to 3,700m³/s by 1300 Tuesday 11/01/2011 with further increases highly likely

Actual and Projected Wivenhoe Releases		
Source: Seqwater	11/01/2011 8:06	
02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual

03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual

05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual

06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	102	Actual
07/01/2011 16:00:00	117	Actual
07/01/2011 17:00:00	168	Actual
07/01/2011 18:00:00	219	Actual
07/01/2011 19:00:00	270	Actual
07/01/2011 20:00:00	319	Actual
07/01/2011 21:00:00	367	Actual
07/01/2011 22:00:00	419	Actual
07/01/2011 23:00:00	472	Actual
08/01/2011 00:00:00	525	Actual
08/01/2011 01:00:00	578	Actual
08/01/2011 02:00:00	632	Actual
08/01/2011 03:00:00	685	Actual
08/01/2011 04:00:00	738	Actual
08/01/2011 05:00:00	791	Actual
08/01/2011 06:00:00	845	Actual
08/01/2011 07:00:00	899	Actual
08/01/2011 08:00:00	947	Actual
08/01/2011 09:00:00	1000	Actual
08/01/2011 10:00:00	1053	Actual

08/01/2011 11:00:00	1106	Actual
08/01/2011 12:00:00	1159	Actual
08/01/2011 13:00:00	1211	Actual
08/01/2011 14:00:00	1262	Actual
08/01/2011 15:00:00	1262	Actual
08/01/2011 16:00:00	1263	Actual
08/01/2011 17:00:00	1262	Actual
08/01/2011 18:00:00	1262	Actual
08/01/2011 19:00:00	1262	Actual
08/01/2011 20:00:00	1262	Actual
08/01/2011 21:00:00	1261	Actual
08/01/2011 22:00:00	1260	Actual
08/01/2011 23:00:00	1260	Actual
09/01/2011 00:00:00	1259	Actual
09/01/2011 01:00:00	1258	Actual
09/01/2011 02:00:00	1303	Actual
09/01/2011 03:00:00	1303	Actual
09/01/2011 04:00:00	1302	Actual
09/01/2011 05:00:00	1352	Actual
09/01/2011 06:00:00	1351	Actual
09/01/2011 07:00:00	1350	Actual
09/01/2011 08:00:00	1349	Actual
09/01/2011 09:00:00	1348	Actual
09/01/2011 10:00:00	1348	Actual
09/01/2011 11:00:00	1347	Actual
09/01/2011 12:00:00	1399	Actual
09/01/2011 13:00:00	1400	Actual
09/01/2011 14:00:00	1401	Actual
09/01/2011 15:00:00	1403	Actual
09/01/2011 16:00:00	1407	Actual
09/01/2011 17:00:00	1412	Actual
09/01/2011 18:00:00	1417	Actual
09/01/2011 19:00:00	1424	Actual
09/01/2011 20:00:00	1431	Actual
09/01/2011 21:00:00	1440	Actual
09/01/2011 22:00:00	1449	Actual
09/01/2011 23:00:00	1460	Actual
10/01/2011 00:00:00	1470	Actual
10/01/2011 01:00:00	1482	Actual
10/01/2011 02:00:00	1547	Actual
10/01/2011 03:00:00	1614	Actual

10/01/2011 04:00:00	1680	Actual
10/01/2011 05:00:00	1747	Actual
10/01/2011 06:00:00	1814	Actual
10/01/2011 07:00:00	1881	Actual
10/01/2011 08:00:00	1949	Actual
10/01/2011 09:00:00	2018	Actual
10/01/2011 10:00:00	2031	Actual
10/01/2011 11:00:00	2043	Actual
10/01/2011 12:00:00	2054	Actual
10/01/2011 13:00:00	2067	Actual
10/01/2011 14:00:00	2079	Actual
10/01/2011 15:00:00	2091	Actual
10/01/2011 16:00:00	2158	Actual
10/01/2011 17:00:00	2279	Actual
10/01/2011 18:00:00	2405	Actual
10/01/2011 19:00:00	2526	Actual
10/01/2011 20:00:00	2705	Actual
10/01/2011 21:00:00	2714	Actual
10/01/2011 22:00:00	2721	Actual
10/01/2011 23:00:00	2728	Actual
11/01/2011 00:00:00	2735	Actual
11/01/2011 01:00:00	2740	Actual
11/01/2011 02:00:00	2745	Actual
11/01/2011 03:00:00	2750	Actual
11/01/2011 04:00:00	2753	Actual
11/01/2011 05:00:00	2757	Actual
11/01/2011 06:00:00	2761	Actual
11/01/2011 07:00:00	2767	Actual
11/01/2011 08:00:00	2774	Actual
11/01/2011 09:00:00	2838	Projected
11/01/2011 10:00:00	3073	Projected
11/01/2011 11:00:00	3247	Projected
11/01/2011 12:00:00	3422	Projected
11/01/2011 13:00:00	3653	Projected
11/01/2011 14:00:00	3658	Projected
11/01/2011 15:00:00	3665	Projected
11/01/2011 16:00:00	3672	Projected
11/01/2011 17:00:00	3679	Projected
11/01/2011 18:00:00	3687	Projected
11/01/2011 19:00:00	3695	Projected
11/01/2011 20:00:00	3703	Projected

11/01/2011 21:00:00	3710	Projected
11/01/2011 22:00:00	3716	Projected
11/01/2011 23:00:00	3722	Projected
12/01/2011 00:00:00	3727	Projected
12/01/2011 01:00:00	3731	Projected
12/01/2011 02:00:00	3734	Projected
12/01/2011 03:00:00	3736	Projected
12/01/2011 04:00:00	3737	Projected
12/01/2011 05:00:00	3737	Projected
12/01/2011 06:00:00	3735	Projected
12/01/2011 07:00:00	3733	Projected
12/01/2011 08:00:00	3731	Projected
12/01/2011 09:00:00	3727	Projected
12/01/2011 10:00:00	3723	Projected
12/01/2011 11:00:00	3718	Projected
12/01/2011 12:00:00	3713	Projected
12/01/2011 13:00:00	3708	Projected
12/01/2011 14:00:00	3702	Projected
12/01/2011 15:00:00	3696	Projected
12/01/2011 16:00:00	3690	Projected
12/01/2011 17:00:00	3683	Projected
12/01/2011 18:00:00	3676	Projected
12/01/2011 19:00:00	3669	Projected
12/01/2011 20:00:00	3662	Projected
12/01/2011 21:00:00	3655	Projected
12/01/2011 22:00:00	3648	Projected
12/01/2011 23:00:00	3640	Projected
13/01/2011 00:00:00	3633	Projected
13/01/2011 01:00:00	3625	Projected
13/01/2011 02:00:00	3617	Projected
13/01/2011 03:00:00	3609	Projected
13/01/2011 04:00:00	3601	Projected
13/01/2011 05:00:00	3593	Projected
13/01/2011 06:00:00	3585	Projected
13/01/2011 07:00:00	3577	Projected
13/01/2011 08:00:00	3569	Projected
13/01/2011 09:00:00	3560	Projected
13/01/2011 10:00:00	3552	Projected
13/01/2011 11:00:00	3543	Projected
13/01/2011 12:00:00	3537	Projected
13/01/2011 13:00:00	3531	Projected

13/01/2011 14:00:00	3523	Projected
13/01/2011 15:00:00	3515	Projected
13/01/2011 16:00:00	3507	Projected
13/01/2011 17:00:00	3498	Projected
13/01/2011 18:00:00	3490	Projected
13/01/2011 19:00:00	3481	Projected
13/01/2011 20:00:00	3473	Projected
13/01/2011 21:00:00	3464	Projected
13/01/2011 22:00:00	3455	Projected
13/01/2011 23:00:00	3446	Projected
14/01/2011 00:00:00	3437	Projected
14/01/2011 01:00:00	3429	Projected
14/01/2011 02:00:00	3420	Projected
14/01/2011 03:00:00	3410	Projected
14/01/2011 04:00:00	3401	Projected
14/01/2011 05:00:00	3392	Projected
14/01/2011 06:00:00	3383	Projected
14/01/2011 07:00:00	3373	Projected
14/01/2011 08:00:00	3364	Projected
14/01/2011 09:00:00	3355	Projected
14/01/2011 10:00:00	3345	Projected
14/01/2011 11:00:00	3336	Projected
14/01/2011 12:00:00	3326	Projected
14/01/2011 13:00:00	3316	Projected
14/01/2011 14:00:00	3306	Projected
14/01/2011 15:00:00	3297	Projected
14/01/2011 16:00:00	3287	Projected
14/01/2011 17:00:00	3277	Projected
14/01/2011 18:00:00	3267	Projected
14/01/2011 19:00:00	3257	Projected
14/01/2011 20:00:00	3246	Projected
14/01/2011 21:00:00	3236	Projected
14/01/2011 22:00:00	3226	Projected
14/01/2011 23:00:00	3216	Projected
15/01/2011 00:00:00	3205	Projected
15/01/2011 01:00:00	3195	Projected
15/01/2011 02:00:00	3184	Projected
15/01/2011 03:00:00	3174	Projected
15/01/2011 04:00:00	3163	Projected
15/01/2011 05:00:00	3152	Projected
15/01/2011 06:00:00	3140	Projected

15/01/2011 07:00:00	3129	Projected
15/01/2011 08:00:00	3117	Projected
15/01/2011 09:00:00	3105	Projected
15/01/2011 10:00:00	3093	Projected
15/01/2011 11:00:00	3082	Projected
15/01/2011 12:00:00	3070	Projected
15/01/2011 13:00:00	3058	Projected
15/01/2011 14:00:00	3046	Projected
15/01/2011 15:00:00	3033	Projected
15/01/2011 16:00:00	3021	Projected
15/01/2011 17:00:00	3009	Projected
15/01/2011 18:00:00	2997	Projected
15/01/2011 19:00:00	2984	Projected
15/01/2011 20:00:00	2972	Projected
15/01/2011 21:00:00	2959	Projected
15/01/2011 22:00:00	2947	Projected
15/01/2011 23:00:00	2934	Projected
16/01/2011 00:00:00	2922	Projected
16/01/2011 01:00:00	2909	Projected
16/01/2011 02:00:00	2896	Projected
16/01/2011 03:00:00	2883	Projected
16/01/2011 04:00:00	2870	Projected
16/01/2011 05:00:00	2857	Projected
16/01/2011 06:00:00	2844	Projected
16/01/2011 07:00:00	2831	Projected
16/01/2011 08:00:00	2818	Projected
16/01/2011 09:00:00	2804	Projected
16/01/2011 10:00:00	2791	Projected
16/01/2011 11:00:00	2777	Projected
16/01/2011 12:00:00	2764	Projected
16/01/2011 13:00:00	2750	Projected
16/01/2011 14:00:00	2737	Projected
16/01/2011 15:00:00	2723	Projected
16/01/2011 16:00:00	2709	Projected
16/01/2011 17:00:00	2695	Projected
16/01/2011 18:00:00	2681	Projected
16/01/2011 19:00:00	2667	Projected
16/01/2011 20:00:00	2653	Projected
16/01/2011 21:00:00	2639	Projected
16/01/2011 22:00:00	2625	Projected
16/01/2011 23:00:00	2610	Projected

17/01/2011 00:00:00	2596	Projected
17/01/2011 01:00:00	2581	Projected
17/01/2011 02:00:00	2566	Projected
17/01/2011 03:00:00	2552	Projected
17/01/2011 04:00:00	2537	Projected
17/01/2011 05:00:00	2522	Projected
17/01/2011 06:00:00	2507	Projected
17/01/2011 07:00:00	2492	Projected
17/01/2011 08:00:00	2476	Projected
17/01/2011 09:00:00	2461	Projected
17/01/2011 10:00:00	2445	Projected
17/01/2011 11:00:00	2429	Projected
17/01/2011 12:00:00	2414	Projected
17/01/2011 13:00:00	2398	Projected
17/01/2011 14:00:00	2382	Projected
17/01/2011 15:00:00	2366	Projected
17/01/2011 16:00:00	2350	Projected
17/01/2011 17:00:00	2333	Projected
17/01/2011 18:00:00	2317	Projected
17/01/2011 19:00:00	2300	Projected
17/01/2011 20:00:00	2283	Projected
17/01/2011 21:00:00	2267	Projected
17/01/2011 22:00:00	2250	Projected
17/01/2011 23:00:00	2233	Projected
18/01/2011 00:00:00	2216	Projected
18/01/2011 01:00:00	2198	Projected
18/01/2011 02:00:00	2181	Projected
18/01/2011 03:00:00	2164	Projected
18/01/2011 04:00:00	2146	Projected
18/01/2011 05:00:00	2128	Projected
18/01/2011 06:00:00	2110	Projected
18/01/2011 07:00:00	2091	Projected
18/01/2011 08:00:00	2069	Projected
18/01/2011 09:00:00	2044	Projected
18/01/2011 10:00:00	2002	Projected
18/01/2011 11:00:00	1962	Projected
18/01/2011 12:00:00	1923	Projected
18/01/2011 13:00:00	1884	Projected
18/01/2011 14:00:00	1846	Projected
18/01/2011 15:00:00	1810	Projected
18/01/2011 16:00:00	1773	Projected

18/01/2011 17:00:00	1738	Projected
18/01/2011 18:00:00	1703	Projected
18/01/2011 19:00:00	1672	Projected
18/01/2011 20:00:00	1651	Projected
18/01/2011 21:00:00	1631	Projected
18/01/2011 22:00:00	1611	Projected
18/01/2011 23:00:00	1591	Projected
19/01/2011 00:00:00	1572	Projected
19/01/2011 01:00:00	1552	Projected
19/01/2011 02:00:00	1533	Projected
19/01/2011 03:00:00	1513	Projected
19/01/2011 04:00:00	1494	Projected
19/01/2011 05:00:00	1475	Projected
19/01/2011 06:00:00	1456	Projected
19/01/2011 07:00:00	1437	Projected
19/01/2011 08:00:00	1418	Projected
19/01/2011 09:00:00	1400	Projected
19/01/2011 10:00:00	1381	Projected
19/01/2011 11:00:00	1363	Projected
19/01/2011 12:00:00	1345	Projected
19/01/2011 13:00:00	1327	Projected
19/01/2011 14:00:00	1309	Projected
19/01/2011 15:00:00	1292	Projected
19/01/2011 16:00:00	1274	Projected
19/01/2011 17:00:00	1257	Projected
19/01/2011 18:00:00	1240	Projected
19/01/2011 19:00:00	1223	Projected
19/01/2011 20:00:00	1206	Projected
19/01/2011 21:00:00	1190	Projected
19/01/2011 22:00:00	1173	Projected
19/01/2011 23:00:00	1157	Projected
20/01/2011 00:00:00	1141	Projected
20/01/2011 01:00:00	1125	Projected
20/01/2011 02:00:00	1109	Projected
20/01/2011 03:00:00	1093	Projected
20/01/2011 04:00:00	1078	Projected
20/01/2011 05:00:00	1063	Projected
20/01/2011 06:00:00	1047	Projected
20/01/2011 07:00:00	1032	Projected
20/01/2011 08:00:00	1018	Projected
20/01/2011 09:00:00	1003	Projected

20/01/2011 10:00:00	989	Projected
20/01/2011 11:00:00	974	Projected
20/01/2011 12:00:00	960	Projected
20/01/2011 13:00:00	946	Projected
20/01/2011 14:00:00	932	Projected
20/01/2011 15:00:00	918	Projected
20/01/2011 16:00:00	905	Projected
20/01/2011 17:00:00	892	Projected
20/01/2011 18:00:00	878	Projected
20/01/2011 19:00:00	865	Projected
20/01/2011 20:00:00	852	Projected
20/01/2011 21:00:00	840	Projected
20/01/2011 22:00:00	827	Projected
20/01/2011 23:00:00	815	Projected
21/01/2011 00:00:00	802	Projected
21/01/2011 01:00:00	790	Projected
21/01/2011 02:00:00	778	Projected
21/01/2011 03:00:00	767	Projected
21/01/2011 04:00:00	755	Projected
21/01/2011 05:00:00	743	Projected
21/01/2011 06:00:00	732	Projected
21/01/2011 07:00:00	721	Projected
21/01/2011 08:00:00	710	Projected
21/01/2011 09:00:00	699	Projected
21/01/2011 10:00:00	688	Projected
21/01/2011 11:00:00	677	Projected
21/01/2011 12:00:00	667	Projected
21/01/2011 13:00:00	656	Projected
21/01/2011 14:00:00	646	Projected
21/01/2011 15:00:00	636	Projected
21/01/2011 16:00:00	626	Projected
21/01/2011 17:00:00	616	Projected
21/01/2011 18:00:00	607	Projected
21/01/2011 19:00:00	597	Projected
21/01/2011 20:00:00	588	Projected
21/01/2011 21:00:00	579	Projected
21/01/2011 22:00:00	569	Projected
21/01/2011 23:00:00	560	Projected
22/01/2011 00:00:00	551	Projected
22/01/2011 01:00:00	543	Projected
22/01/2011 02:00:00	534	Projected

22/01/2011 03:00:00	526	Projected
22/01/2011 04:00:00	517	Projected
22/01/2011 05:00:00	509	Projected
22/01/2011 06:00:00	501	Projected
22/01/2011 07:00:00	493	Projected
22/01/2011 08:00:00	485	Projected
22/01/2011 09:00:00	477	Projected
22/01/2011 10:00:00	469	Projected
22/01/2011 11:00:00	462	Projected
22/01/2011 12:00:00	454	Projected
22/01/2011 13:00:00	447	Projected
22/01/2011 14:00:00	440	Projected
22/01/2011 15:00:00	433	Projected
22/01/2011 16:00:00	426	Projected
22/01/2011 17:00:00	419	Projected
22/01/2011 18:00:00	412	Projected
22/01/2011 19:00:00	405	Projected
22/01/2011 20:00:00	399	Projected
22/01/2011 21:00:00	392	Projected
22/01/2011 22:00:00	386	Projected
22/01/2011 23:00:00	379	Projected
23/01/2011 00:00:00	373	Projected
23/01/2011 01:00:00	367	Projected
23/01/2011 02:00:00	361	Projected
23/01/2011 03:00:00	355	Projected
23/01/2011 04:00:00	349	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin <[REDACTED]>, Craig Logan
 [REDACTED] Don Carroll <[REDACTED]>, Evan
 Caswell <[REDACTED]>, Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn <[REDACTED]>, Santina Pennisi
 [REDACTED]

Date: Tue, 11 Jan 2011 11:38:27 +1000

Actual and Projected Wivenhoe Releases		
Source: Seqwater	11/01/2011 11:32	
02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual

03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual

05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual

06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	102	Actual
07/01/2011 16:00:00	117	Actual
07/01/2011 17:00:00	169	Actual
07/01/2011 18:00:00	220	Actual
07/01/2011 19:00:00	270	Actual
07/01/2011 20:00:00	319	Actual
07/01/2011 21:00:00	368	Actual
07/01/2011 22:00:00	421	Actual
07/01/2011 23:00:00	474	Actual
08/01/2011 00:00:00	527	Actual
08/01/2011 01:00:00	581	Actual
08/01/2011 02:00:00	634	Actual
08/01/2011 03:00:00	688	Actual
08/01/2011 04:00:00	741	Actual
08/01/2011 05:00:00	795	Actual
08/01/2011 06:00:00	849	Actual
08/01/2011 07:00:00	904	Actual
08/01/2011 08:00:00	952	Actual
08/01/2011 09:00:00	1005	Actual
08/01/2011 10:00:00	1058	Actual
08/01/2011 11:00:00	1112	Actual
08/01/2011 12:00:00	1166	Actual
08/01/2011 13:00:00	1218	Actual
08/01/2011 14:00:00	1270	Actual
08/01/2011 15:00:00	1270	Actual

08/01/2011 16:00:00	1270	Actual
08/01/2011 17:00:00	1270	Actual
08/01/2011 18:00:00	1270	Actual
08/01/2011 19:00:00	1270	Actual
08/01/2011 20:00:00	1270	Actual
08/01/2011 21:00:00	1269	Actual
08/01/2011 22:00:00	1269	Actual
08/01/2011 23:00:00	1268	Actual
09/01/2011 00:00:00	1268	Actual
09/01/2011 01:00:00	1267	Actual
09/01/2011 02:00:00	1313	Actual
09/01/2011 03:00:00	1312	Actual
09/01/2011 04:00:00	1311	Actual
09/01/2011 05:00:00	1363	Actual
09/01/2011 06:00:00	1362	Actual
09/01/2011 07:00:00	1361	Actual
09/01/2011 08:00:00	1360	Actual
09/01/2011 09:00:00	1360	Actual
09/01/2011 10:00:00	1360	Actual
09/01/2011 11:00:00	1360	Actual
09/01/2011 12:00:00	1412	Actual
09/01/2011 13:00:00	1413	Actual
09/01/2011 14:00:00	1415	Actual
09/01/2011 15:00:00	1418	Actual
09/01/2011 16:00:00	1422	Actual
09/01/2011 17:00:00	1427	Actual
09/01/2011 18:00:00	1433	Actual
09/01/2011 19:00:00	1440	Actual
09/01/2011 20:00:00	1447	Actual
09/01/2011 21:00:00	1456	Actual
09/01/2011 22:00:00	1465	Actual
09/01/2011 23:00:00	1475	Actual
10/01/2011 00:00:00	1486	Actual
10/01/2011 01:00:00	1497	Actual
10/01/2011 02:00:00	1562	Actual
10/01/2011 03:00:00	1629	Actual
10/01/2011 04:00:00	1695	Actual
10/01/2011 05:00:00	1761	Actual
10/01/2011 06:00:00	1828	Actual
10/01/2011 07:00:00	1895	Actual
10/01/2011 08:00:00	1963	Actual

10/01/2011 09:00:00	2031	Actual
10/01/2011 10:00:00	2043	Actual
10/01/2011 11:00:00	2055	Actual
10/01/2011 12:00:00	2065	Actual
10/01/2011 13:00:00	2078	Actual
10/01/2011 14:00:00	2089	Actual
10/01/2011 15:00:00	2100	Actual
10/01/2011 16:00:00	2167	Actual
10/01/2011 17:00:00	2288	Actual
10/01/2011 18:00:00	2413	Actual
10/01/2011 19:00:00	2535	Actual
10/01/2011 20:00:00	2714	Actual
10/01/2011 21:00:00	2722	Actual
10/01/2011 22:00:00	2729	Actual
10/01/2011 23:00:00	2736	Actual
11/01/2011 00:00:00	2742	Actual
11/01/2011 01:00:00	2747	Actual
11/01/2011 02:00:00	2752	Actual
11/01/2011 03:00:00	2756	Actual
11/01/2011 04:00:00	2759	Actual
11/01/2011 05:00:00	2763	Actual
11/01/2011 06:00:00	2767	Actual
11/01/2011 07:00:00	2772	Actual
11/01/2011 08:00:00	2779	Actual
11/01/2011 09:00:00	3061	Actual
11/01/2011 10:00:00	3237	Actual
11/01/2011 11:00:00	3413	Actual
11/01/2011 12:00:00	3981	Projected
11/01/2011 13:00:00	3986	Projected
11/01/2011 14:00:00	3992	Projected
11/01/2011 15:00:00	3998	Projected
11/01/2011 16:00:00	4005	Projected
11/01/2011 17:00:00	4012	Projected
11/01/2011 18:00:00	4019	Projected
11/01/2011 19:00:00	4026	Projected
11/01/2011 20:00:00	4033	Projected
11/01/2011 21:00:00	4039	Projected
11/01/2011 22:00:00	4045	Projected
11/01/2011 23:00:00	4050	Projected
12/01/2011 00:00:00	4055	Projected
12/01/2011 01:00:00	4058	Projected

12/01/2011 02:00:00	4060	Projected
12/01/2011 03:00:00	4062	Projected
12/01/2011 04:00:00	4062	Projected
12/01/2011 05:00:00	4062	Projected
12/01/2011 06:00:00	4060	Projected
12/01/2011 07:00:00	4058	Projected
12/01/2011 08:00:00	4054	Projected
12/01/2011 09:00:00	4050	Projected
12/01/2011 10:00:00	4046	Projected
12/01/2011 11:00:00	4040	Projected
12/01/2011 12:00:00	4035	Projected
12/01/2011 13:00:00	4028	Projected
12/01/2011 14:00:00	4022	Projected
12/01/2011 15:00:00	4015	Projected
12/01/2011 16:00:00	4008	Projected
12/01/2011 17:00:00	4000	Projected
12/01/2011 18:00:00	3992	Projected
12/01/2011 19:00:00	3985	Projected
12/01/2011 20:00:00	3976	Projected
12/01/2011 21:00:00	3968	Projected
12/01/2011 22:00:00	3960	Projected
12/01/2011 23:00:00	3951	Projected
13/01/2011 00:00:00	3942	Projected
13/01/2011 01:00:00	3934	Projected
13/01/2011 02:00:00	3925	Projected
13/01/2011 03:00:00	3916	Projected
13/01/2011 04:00:00	3906	Projected
13/01/2011 05:00:00	3897	Projected
13/01/2011 06:00:00	3888	Projected
13/01/2011 07:00:00	3878	Projected
13/01/2011 08:00:00	3868	Projected
13/01/2011 09:00:00	3859	Projected
13/01/2011 10:00:00	3849	Projected
13/01/2011 11:00:00	3839	Projected
13/01/2011 12:00:00	3832	Projected
13/01/2011 13:00:00	3824	Projected
13/01/2011 14:00:00	3815	Projected
13/01/2011 15:00:00	3805	Projected
13/01/2011 16:00:00	3796	Projected
13/01/2011 17:00:00	3786	Projected
13/01/2011 18:00:00	3776	Projected

13/01/2011 19:00:00	3766	Projected
13/01/2011 20:00:00	3756	Projected
13/01/2011 21:00:00	3745	Projected
13/01/2011 22:00:00	3735	Projected
13/01/2011 23:00:00	3725	Projected
14/01/2011 00:00:00	3714	Projected
14/01/2011 01:00:00	3703	Projected
14/01/2011 02:00:00	3693	Projected
14/01/2011 03:00:00	3682	Projected
14/01/2011 04:00:00	3671	Projected
14/01/2011 05:00:00	3660	Projected
14/01/2011 06:00:00	3649	Projected
14/01/2011 07:00:00	3638	Projected
14/01/2011 08:00:00	3627	Projected
14/01/2011 09:00:00	3616	Projected
14/01/2011 10:00:00	3604	Projected
14/01/2011 11:00:00	3593	Projected
14/01/2011 12:00:00	3581	Projected
14/01/2011 13:00:00	3570	Projected
14/01/2011 14:00:00	3558	Projected
14/01/2011 15:00:00	3546	Projected
14/01/2011 16:00:00	3534	Projected
14/01/2011 17:00:00	3522	Projected
14/01/2011 18:00:00	3510	Projected
14/01/2011 19:00:00	3498	Projected
14/01/2011 20:00:00	3486	Projected
14/01/2011 21:00:00	3474	Projected
14/01/2011 22:00:00	3462	Projected
14/01/2011 23:00:00	3449	Projected
15/01/2011 00:00:00	3437	Projected
15/01/2011 01:00:00	3424	Projected
15/01/2011 02:00:00	3411	Projected
15/01/2011 03:00:00	3399	Projected
15/01/2011 04:00:00	3386	Projected
15/01/2011 05:00:00	3372	Projected
15/01/2011 06:00:00	3358	Projected
15/01/2011 07:00:00	3344	Projected
15/01/2011 08:00:00	3330	Projected
15/01/2011 09:00:00	3316	Projected
15/01/2011 10:00:00	3302	Projected
15/01/2011 11:00:00	3287	Projected

15/01/2011 12:00:00	3273	Projected
15/01/2011 13:00:00	3258	Projected
15/01/2011 14:00:00	3244	Projected
15/01/2011 15:00:00	3229	Projected
15/01/2011 16:00:00	3214	Projected
15/01/2011 17:00:00	3199	Projected
15/01/2011 18:00:00	3185	Projected
15/01/2011 19:00:00	3170	Projected
15/01/2011 20:00:00	3154	Projected
15/01/2011 21:00:00	3139	Projected
15/01/2011 22:00:00	3124	Projected
15/01/2011 23:00:00	3109	Projected
16/01/2011 00:00:00	3093	Projected
16/01/2011 01:00:00	3078	Projected
16/01/2011 02:00:00	3062	Projected
16/01/2011 03:00:00	3046	Projected
16/01/2011 04:00:00	3031	Projected
16/01/2011 05:00:00	3015	Projected
16/01/2011 06:00:00	2999	Projected
16/01/2011 07:00:00	2983	Projected
16/01/2011 08:00:00	2966	Projected
16/01/2011 09:00:00	2950	Projected
16/01/2011 10:00:00	2934	Projected
16/01/2011 11:00:00	2917	Projected
16/01/2011 12:00:00	2901	Projected
16/01/2011 13:00:00	2884	Projected
16/01/2011 14:00:00	2867	Projected
16/01/2011 15:00:00	2850	Projected
16/01/2011 16:00:00	2833	Projected
16/01/2011 17:00:00	2816	Projected
16/01/2011 18:00:00	2799	Projected
16/01/2011 19:00:00	2782	Projected
16/01/2011 20:00:00	2764	Projected
16/01/2011 21:00:00	2747	Projected
16/01/2011 22:00:00	2729	Projected
16/01/2011 23:00:00	2711	Projected
17/01/2011 00:00:00	2693	Projected
17/01/2011 01:00:00	2675	Projected
17/01/2011 02:00:00	2657	Projected
17/01/2011 03:00:00	2638	Projected
17/01/2011 04:00:00	2620	Projected

17/01/2011 05:00:00	2601	Projected
17/01/2011 06:00:00	2582	Projected
17/01/2011 07:00:00	2563	Projected
17/01/2011 08:00:00	2544	Projected
17/01/2011 09:00:00	2525	Projected
17/01/2011 10:00:00	2506	Projected
17/01/2011 11:00:00	2486	Projected
17/01/2011 12:00:00	2466	Projected
17/01/2011 13:00:00	2446	Projected
17/01/2011 14:00:00	2426	Projected
17/01/2011 15:00:00	2396	Projected
17/01/2011 16:00:00	2365	Projected
17/01/2011 17:00:00	2331	Projected
17/01/2011 18:00:00	2296	Projected
17/01/2011 19:00:00	2261	Projected
17/01/2011 20:00:00	2228	Projected
17/01/2011 21:00:00	2194	Projected
17/01/2011 22:00:00	2161	Projected
17/01/2011 23:00:00	2128	Projected
18/01/2011 00:00:00	2094	Projected
18/01/2011 01:00:00	2061	Projected
18/01/2011 02:00:00	2026	Projected
18/01/2011 03:00:00	1986	Projected
18/01/2011 04:00:00	1946	Projected
18/01/2011 05:00:00	1909	Projected
18/01/2011 06:00:00	1871	Projected
18/01/2011 07:00:00	1834	Projected
18/01/2011 08:00:00	1798	Projected
18/01/2011 09:00:00	1763	Projected
18/01/2011 10:00:00	1729	Projected
18/01/2011 11:00:00	1695	Projected
18/01/2011 12:00:00	1662	Projected
18/01/2011 13:00:00	1642	Projected
18/01/2011 14:00:00	1623	Projected
18/01/2011 15:00:00	1603	Projected
18/01/2011 16:00:00	1584	Projected
18/01/2011 17:00:00	1564	Projected
18/01/2011 18:00:00	1545	Projected
18/01/2011 19:00:00	1526	Projected
18/01/2011 20:00:00	1507	Projected
18/01/2011 21:00:00	1489	Projected

18/01/2011 22:00:00	1470	Projected
18/01/2011 23:00:00	1452	Projected
19/01/2011 00:00:00	1433	Projected
19/01/2011 01:00:00	1415	Projected
19/01/2011 02:00:00	838	Projected
19/01/2011 03:00:00	832	Projected
19/01/2011 04:00:00	826	Projected
19/01/2011 05:00:00	820	Projected
19/01/2011 06:00:00	814	Projected
19/01/2011 07:00:00	808	Projected
19/01/2011 08:00:00	802	Projected
19/01/2011 09:00:00	796	Projected
19/01/2011 10:00:00	790	Projected
19/01/2011 11:00:00	784	Projected
19/01/2011 12:00:00	778	Projected
19/01/2011 13:00:00	772	Projected
19/01/2011 14:00:00	766	Projected
19/01/2011 15:00:00	760	Projected
19/01/2011 16:00:00	754	Projected
19/01/2011 17:00:00	749	Projected
19/01/2011 18:00:00	743	Projected
19/01/2011 19:00:00	737	Projected
19/01/2011 20:00:00	731	Projected
19/01/2011 21:00:00	726	Projected
19/01/2011 22:00:00	720	Projected
19/01/2011 23:00:00	715	Projected
20/01/2011 00:00:00	709	Projected
20/01/2011 01:00:00	703	Projected
20/01/2011 02:00:00	698	Projected
20/01/2011 03:00:00	692	Projected
20/01/2011 04:00:00	687	Projected
20/01/2011 05:00:00	681	Projected
20/01/2011 06:00:00	676	Projected
20/01/2011 07:00:00	671	Projected
20/01/2011 08:00:00	665	Projected
20/01/2011 09:00:00	660	Projected
20/01/2011 10:00:00	655	Projected
20/01/2011 11:00:00	650	Projected
20/01/2011 12:00:00	644	Projected
20/01/2011 13:00:00	639	Projected
20/01/2011 14:00:00	634	Projected

20/01/2011 15:00:00	629	Projected
20/01/2011 16:00:00	624	Projected
20/01/2011 17:00:00	619	Projected
20/01/2011 18:00:00	614	Projected
20/01/2011 19:00:00	609	Projected
20/01/2011 20:00:00	604	Projected
20/01/2011 21:00:00	599	Projected
20/01/2011 22:00:00	594	Projected
20/01/2011 23:00:00	589	Projected
21/01/2011 00:00:00	584	Projected
21/01/2011 01:00:00	579	Projected
21/01/2011 02:00:00	574	Projected
21/01/2011 03:00:00	570	Projected
21/01/2011 04:00:00	565	Projected
21/01/2011 05:00:00	560	Projected
21/01/2011 06:00:00	555	Projected
21/01/2011 07:00:00	551	Projected
21/01/2011 08:00:00	546	Projected
21/01/2011 09:00:00	542	Projected
21/01/2011 10:00:00	537	Projected
21/01/2011 11:00:00	532	Projected
21/01/2011 12:00:00	528	Projected
21/01/2011 13:00:00	523	Projected
21/01/2011 14:00:00	519	Projected
21/01/2011 15:00:00	515	Projected
21/01/2011 16:00:00	510	Projected
21/01/2011 17:00:00	506	Projected
21/01/2011 18:00:00	502	Projected
21/01/2011 19:00:00	497	Projected
21/01/2011 20:00:00	493	Projected
21/01/2011 21:00:00	489	Projected
21/01/2011 22:00:00	484	Projected
21/01/2011 23:00:00	480	Projected
22/01/2011 00:00:00	476	Projected
22/01/2011 01:00:00	472	Projected
22/01/2011 02:00:00	468	Projected
22/01/2011 03:00:00	464	Projected
22/01/2011 04:00:00	460	Projected
22/01/2011 05:00:00	456	Projected
22/01/2011 06:00:00	452	Projected
22/01/2011 07:00:00	448	Projected

22/01/2011 08:00:00	444	Projected
22/01/2011 09:00:00	440	Projected
22/01/2011 10:00:00	436	Projected
22/01/2011 11:00:00	432	Projected
22/01/2011 12:00:00	429	Projected
22/01/2011 13:00:00	425	Projected
22/01/2011 14:00:00	421	Projected
22/01/2011 15:00:00	417	Projected
22/01/2011 16:00:00	414	Projected
22/01/2011 17:00:00	410	Projected
22/01/2011 18:00:00	406	Projected
22/01/2011 19:00:00	403	Projected
22/01/2011 20:00:00	399	Projected
22/01/2011 21:00:00	395	Projected
22/01/2011 22:00:00	392	Projected
22/01/2011 23:00:00	388	Projected
23/01/2011 00:00:00	385	Projected
23/01/2011 01:00:00	382	Projected
23/01/2011 02:00:00	378	Projected
23/01/2011 03:00:00	375	Projected
23/01/2011 04:00:00	371	Projected

Duty Engineer

Flood Operations Centre

Phone



Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the

sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases - Note that is our worst case for the next 12 hours

From: Duty Engineer <[REDACTED]>
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED] Don Carroll [REDACTED], Evan
 Caswell [REDACTED] Flood Information Centre
 [REDACTED], James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Tue, 11 Jan 2011 13:31:56 +1000

Actual and Projected Wivenhoe Releases		
Source: Seqwater	11/01/2011 13:28	
02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual

03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual

05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual

06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	102	Actual
07/01/2011 16:00:00	117	Actual
07/01/2011 17:00:00	169	Actual
07/01/2011 18:00:00	220	Actual
07/01/2011 19:00:00	270	Actual
07/01/2011 20:00:00	320	Actual
07/01/2011 21:00:00	368	Actual
07/01/2011 22:00:00	421	Actual
07/01/2011 23:00:00	474	Actual
08/01/2011 00:00:00	527	Actual
08/01/2011 01:00:00	581	Actual
08/01/2011 02:00:00	635	Actual
08/01/2011 03:00:00	688	Actual
08/01/2011 04:00:00	742	Actual
08/01/2011 05:00:00	796	Actual
08/01/2011 06:00:00	850	Actual
08/01/2011 07:00:00	904	Actual
08/01/2011 08:00:00	953	Actual
08/01/2011 09:00:00	1006	Actual
08/01/2011 10:00:00	1059	Actual
08/01/2011 11:00:00	1113	Actual
08/01/2011 12:00:00	1167	Actual
08/01/2011 13:00:00	1219	Actual

08/01/2011 14:00:00	1271	Actual
08/01/2011 15:00:00	1271	Actual
08/01/2011 16:00:00	1272	Actual
08/01/2011 17:00:00	1272	Actual
08/01/2011 18:00:00	1272	Actual
08/01/2011 19:00:00	1271	Actual
08/01/2011 20:00:00	1271	Actual
08/01/2011 21:00:00	1271	Actual
08/01/2011 22:00:00	1270	Actual
08/01/2011 23:00:00	1270	Actual
09/01/2011 00:00:00	1269	Actual
09/01/2011 01:00:00	1268	Actual
09/01/2011 02:00:00	1314	Actual
09/01/2011 03:00:00	1314	Actual
09/01/2011 04:00:00	1313	Actual
09/01/2011 05:00:00	1364	Actual
09/01/2011 06:00:00	1363	Actual
09/01/2011 07:00:00	1363	Actual
09/01/2011 08:00:00	1362	Actual
09/01/2011 09:00:00	1361	Actual
09/01/2011 10:00:00	1361	Actual
09/01/2011 11:00:00	1361	Actual
09/01/2011 12:00:00	1414	Actual
09/01/2011 13:00:00	1415	Actual
09/01/2011 14:00:00	1417	Actual
09/01/2011 15:00:00	1420	Actual
09/01/2011 16:00:00	1424	Actual
09/01/2011 17:00:00	1429	Actual
09/01/2011 18:00:00	1435	Actual
09/01/2011 19:00:00	1442	Actual
09/01/2011 20:00:00	1449	Actual
09/01/2011 21:00:00	1458	Actual
09/01/2011 22:00:00	1468	Actual
09/01/2011 23:00:00	1477	Actual
10/01/2011 00:00:00	1488	Actual
10/01/2011 01:00:00	1499	Actual
10/01/2011 02:00:00	1565	Actual
10/01/2011 03:00:00	1631	Actual
10/01/2011 04:00:00	1698	Actual
10/01/2011 05:00:00	1764	Actual
10/01/2011 06:00:00	1831	Actual

10/01/2011 07:00:00	1898	Actual
10/01/2011 08:00:00	1966	Actual
10/01/2011 09:00:00	2035	Actual
10/01/2011 10:00:00	2047	Actual
10/01/2011 11:00:00	2058	Actual
10/01/2011 12:00:00	2069	Actual
10/01/2011 13:00:00	2081	Actual
10/01/2011 14:00:00	2093	Actual
10/01/2011 15:00:00	2104	Actual
10/01/2011 16:00:00	2171	Actual
10/01/2011 17:00:00	2292	Actual
10/01/2011 18:00:00	2418	Actual
10/01/2011 19:00:00	2539	Actual
10/01/2011 20:00:00	2719	Actual
10/01/2011 21:00:00	2727	Actual
10/01/2011 22:00:00	2734	Actual
10/01/2011 23:00:00	2741	Actual
11/01/2011 00:00:00	2747	Actual
11/01/2011 01:00:00	2752	Actual
11/01/2011 02:00:00	2757	Actual
11/01/2011 03:00:00	2761	Actual
11/01/2011 04:00:00	2764	Actual
11/01/2011 05:00:00	2768	Actual
11/01/2011 06:00:00	2772	Actual
11/01/2011 07:00:00	2777	Actual
11/01/2011 08:00:00	2784	Actual
11/01/2011 09:00:00	3067	Actual
11/01/2011 10:00:00	3243	Actual
11/01/2011 11:00:00	3419	Actual
11/01/2011 12:00:00	3821	Actual
11/01/2011 13:00:00	3996	Actual
11/01/2011 14:00:00	4228	Projected
11/01/2011 15:00:00	4519	Projected
11/01/2011 16:00:00	4527	Projected
11/01/2011 17:00:00	4823	Projected
11/01/2011 18:00:00	5415	Projected
11/01/2011 19:00:00	6029	Projected
11/01/2011 20:00:00	6670	Projected
11/01/2011 21:00:00	6673	Projected
11/01/2011 22:00:00	6675	Projected
11/01/2011 23:00:00	6675	Projected

12/01/2011 00:00:00	6675	Projected
12/01/2011 01:00:00	6672	Projected
12/01/2011 02:00:00	6669	Projected
12/01/2011 03:00:00	6664	Projected
12/01/2011 04:00:00	6657	Projected
12/01/2011 05:00:00	6648	Projected
12/01/2011 06:00:00	6638	Projected
12/01/2011 07:00:00	6627	Projected
12/01/2011 08:00:00	6613	Projected
12/01/2011 09:00:00	6599	Projected
12/01/2011 10:00:00	6583	Projected
12/01/2011 11:00:00	6565	Projected
12/01/2011 12:00:00	6546	Projected
12/01/2011 13:00:00	6526	Projected
12/01/2011 14:00:00	6505	Projected
12/01/2011 15:00:00	6483	Projected
12/01/2011 16:00:00	6460	Projected
12/01/2011 17:00:00	6435	Projected
12/01/2011 18:00:00	6410	Projected
12/01/2011 19:00:00	6383	Projected
12/01/2011 20:00:00	6356	Projected
12/01/2011 21:00:00	6328	Projected
12/01/2011 22:00:00	6299	Projected
12/01/2011 23:00:00	6269	Projected
13/01/2011 00:00:00	6239	Projected
13/01/2011 01:00:00	6208	Projected
13/01/2011 02:00:00	6177	Projected
13/01/2011 03:00:00	6145	Projected
13/01/2011 04:00:00	6113	Projected
13/01/2011 05:00:00	6080	Projected
13/01/2011 06:00:00	6046	Projected
13/01/2011 07:00:00	6013	Projected
13/01/2011 08:00:00	5978	Projected
13/01/2011 09:00:00	5944	Projected
13/01/2011 10:00:00	5909	Projected
13/01/2011 11:00:00	5873	Projected
13/01/2011 12:00:00	5844	Projected
13/01/2011 13:00:00	5813	Projected
13/01/2011 14:00:00	5779	Projected
13/01/2011 15:00:00	5744	Projected
13/01/2011 16:00:00	5708	Projected

13/01/2011 17:00:00	5672	Projected
13/01/2011 18:00:00	5635	Projected
13/01/2011 19:00:00	5598	Projected
13/01/2011 20:00:00	5561	Projected
13/01/2011 21:00:00	5524	Projected
13/01/2011 22:00:00	5486	Projected
13/01/2011 23:00:00	5447	Projected
14/01/2011 00:00:00	5409	Projected
14/01/2011 01:00:00	5369	Projected
14/01/2011 02:00:00	5330	Projected
14/01/2011 03:00:00	5290	Projected
14/01/2011 04:00:00	5250	Projected
14/01/2011 05:00:00	5209	Projected
14/01/2011 06:00:00	5169	Projected
14/01/2011 07:00:00	5127	Projected
14/01/2011 08:00:00	5072	Projected
14/01/2011 09:00:00	5004	Projected
14/01/2011 10:00:00	4917	Projected
14/01/2011 11:00:00	4832	Projected
14/01/2011 12:00:00	4748	Projected
14/01/2011 13:00:00	4665	Projected
14/01/2011 14:00:00	4584	Projected
14/01/2011 15:00:00	4504	Projected
14/01/2011 16:00:00	4426	Projected
14/01/2011 17:00:00	4349	Projected
14/01/2011 18:00:00	4273	Projected
14/01/2011 19:00:00	4199	Projected
14/01/2011 20:00:00	4126	Projected
14/01/2011 21:00:00	4054	Projected
14/01/2011 22:00:00	3983	Projected
14/01/2011 23:00:00	3914	Projected
15/01/2011 00:00:00	3846	Projected
15/01/2011 01:00:00	3779	Projected
15/01/2011 02:00:00	3713	Projected
15/01/2011 03:00:00	3648	Projected
15/01/2011 04:00:00	3584	Projected
15/01/2011 05:00:00	3518	Projected
15/01/2011 06:00:00	3451	Projected
15/01/2011 07:00:00	3387	Projected
15/01/2011 08:00:00	3323	Projected
15/01/2011 09:00:00	3261	Projected

15/01/2011 10:00:00	3200	Projected
15/01/2011 11:00:00	3140	Projected
15/01/2011 12:00:00	3081	Projected
15/01/2011 13:00:00	3023	Projected
15/01/2011 14:00:00	2966	Projected
15/01/2011 15:00:00	2910	Projected
15/01/2011 16:00:00	2855	Projected
15/01/2011 17:00:00	2801	Projected
15/01/2011 18:00:00	2748	Projected
15/01/2011 19:00:00	2697	Projected
15/01/2011 20:00:00	2646	Projected
15/01/2011 21:00:00	2596	Projected
15/01/2011 22:00:00	2547	Projected
15/01/2011 23:00:00	2499	Projected
16/01/2011 00:00:00	2452	Projected
16/01/2011 01:00:00	2406	Projected
16/01/2011 02:00:00	2361	Projected
16/01/2011 03:00:00	2316	Projected
16/01/2011 04:00:00	2273	Projected
16/01/2011 05:00:00	2230	Projected
16/01/2011 06:00:00	2189	Projected
16/01/2011 07:00:00	2148	Projected
16/01/2011 08:00:00	2108	Projected
16/01/2011 09:00:00	2069	Projected
16/01/2011 10:00:00	2030	Projected
16/01/2011 11:00:00	1992	Projected
16/01/2011 12:00:00	1955	Projected
16/01/2011 13:00:00	1919	Projected
16/01/2011 14:00:00	1884	Projected
16/01/2011 15:00:00	1848	Projected
16/01/2011 16:00:00	1814	Projected
16/01/2011 17:00:00	1781	Projected
16/01/2011 18:00:00	1748	Projected
16/01/2011 19:00:00	1716	Projected
16/01/2011 20:00:00	1685	Projected
16/01/2011 21:00:00	1657	Projected
16/01/2011 22:00:00	1639	Projected
16/01/2011 23:00:00	1620	Projected
17/01/2011 00:00:00	1602	Projected
17/01/2011 01:00:00	1584	Projected
17/01/2011 02:00:00	1565	Projected

17/01/2011 03:00:00	1547	Projected
17/01/2011 04:00:00	1530	Projected
17/01/2011 05:00:00	1512	Projected
17/01/2011 06:00:00	1494	Projected
17/01/2011 07:00:00	1476	Projected
17/01/2011 08:00:00	1459	Projected
17/01/2011 09:00:00	1442	Projected
17/01/2011 10:00:00	1424	Projected
17/01/2011 11:00:00	1407	Projected
17/01/2011 12:00:00	1390	Projected
17/01/2011 13:00:00	1373	Projected
17/01/2011 14:00:00	1356	Projected
17/01/2011 15:00:00	1340	Projected
17/01/2011 16:00:00	1323	Projected
17/01/2011 17:00:00	1307	Projected
17/01/2011 18:00:00	1291	Projected
17/01/2011 19:00:00	1274	Projected
17/01/2011 20:00:00	1259	Projected
17/01/2011 21:00:00	1243	Projected
17/01/2011 22:00:00	1227	Projected
17/01/2011 23:00:00	1211	Projected
18/01/2011 00:00:00	1196	Projected
18/01/2011 01:00:00	1181	Projected
18/01/2011 02:00:00	1166	Projected
18/01/2011 03:00:00	1150	Projected
18/01/2011 04:00:00	1136	Projected
18/01/2011 05:00:00	1121	Projected
18/01/2011 06:00:00	1106	Projected
18/01/2011 07:00:00	1092	Projected
18/01/2011 08:00:00	1077	Projected
18/01/2011 09:00:00	1063	Projected
18/01/2011 10:00:00	1049	Projected
18/01/2011 11:00:00	1035	Projected
18/01/2011 12:00:00	1022	Projected
18/01/2011 13:00:00	1008	Projected
18/01/2011 14:00:00	994	Projected
18/01/2011 15:00:00	981	Projected
18/01/2011 16:00:00	968	Projected
18/01/2011 17:00:00	955	Projected
18/01/2011 18:00:00	942	Projected
18/01/2011 19:00:00	929	Projected

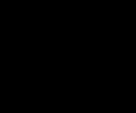
18/01/2011 20:00:00	916	Projected
18/01/2011 21:00:00	904	Projected
18/01/2011 22:00:00	891	Projected
18/01/2011 23:00:00	879	Projected
19/01/2011 00:00:00	867	Projected
19/01/2011 01:00:00	855	Projected
19/01/2011 02:00:00	843	Projected
19/01/2011 03:00:00	831	Projected
19/01/2011 04:00:00	819	Projected
19/01/2011 05:00:00	808	Projected
19/01/2011 06:00:00	797	Projected
19/01/2011 07:00:00	785	Projected
19/01/2011 08:00:00	774	Projected
19/01/2011 09:00:00	763	Projected
19/01/2011 10:00:00	753	Projected
19/01/2011 11:00:00	742	Projected
19/01/2011 12:00:00	731	Projected
19/01/2011 13:00:00	721	Projected
19/01/2011 14:00:00	710	Projected
19/01/2011 15:00:00	700	Projected
19/01/2011 16:00:00	690	Projected
19/01/2011 17:00:00	680	Projected
19/01/2011 18:00:00	671	Projected
19/01/2011 19:00:00	661	Projected
19/01/2011 20:00:00	651	Projected
19/01/2011 21:00:00	642	Projected
19/01/2011 22:00:00	633	Projected
19/01/2011 23:00:00	623	Projected
20/01/2011 00:00:00	614	Projected
20/01/2011 01:00:00	605	Projected
20/01/2011 02:00:00	596	Projected
20/01/2011 03:00:00	588	Projected
20/01/2011 04:00:00	579	Projected
20/01/2011 05:00:00	571	Projected
20/01/2011 06:00:00	562	Projected
20/01/2011 07:00:00	554	Projected
20/01/2011 08:00:00	546	Projected
20/01/2011 09:00:00	538	Projected
20/01/2011 10:00:00	530	Projected
20/01/2011 11:00:00	522	Projected
20/01/2011 12:00:00	514	Projected

20/01/2011 13:00:00	507	Projected
20/01/2011 14:00:00	499	Projected
20/01/2011 15:00:00	492	Projected
20/01/2011 16:00:00	484	Projected
20/01/2011 17:00:00	477	Projected
20/01/2011 18:00:00	470	Projected
20/01/2011 19:00:00	463	Projected
20/01/2011 20:00:00	456	Projected
20/01/2011 21:00:00	449	Projected
20/01/2011 22:00:00	442	Projected
20/01/2011 23:00:00	436	Projected
21/01/2011 00:00:00	429	Projected
21/01/2011 01:00:00	423	Projected
21/01/2011 02:00:00	417	Projected
21/01/2011 03:00:00	410	Projected
21/01/2011 04:00:00	404	Projected
21/01/2011 05:00:00	398	Projected
21/01/2011 06:00:00	392	Projected
21/01/2011 07:00:00	386	Projected
21/01/2011 08:00:00	380	Projected
21/01/2011 09:00:00	375	Projected
21/01/2011 10:00:00	369	Projected
21/01/2011 11:00:00	363	Projected
21/01/2011 12:00:00	358	Projected
21/01/2011 13:00:00	353	Projected
21/01/2011 14:00:00	347	Projected
21/01/2011 15:00:00	342	Projected
21/01/2011 16:00:00	337	Projected
21/01/2011 17:00:00	332	Projected
21/01/2011 18:00:00	327	Projected
21/01/2011 19:00:00	322	Projected
21/01/2011 20:00:00	317	Projected
21/01/2011 21:00:00	312	Projected
21/01/2011 22:00:00	307	Projected
21/01/2011 23:00:00	303	Projected
22/01/2011 00:00:00	298	Projected
22/01/2011 01:00:00	294	Projected
22/01/2011 02:00:00	289	Projected
22/01/2011 03:00:00	285	Projected
22/01/2011 04:00:00	281	Projected
22/01/2011 05:00:00	276	Projected

22/01/2011 06:00:00	272	Projected
22/01/2011 07:00:00	268	Projected
22/01/2011 08:00:00	264	Projected
22/01/2011 09:00:00	260	Projected
22/01/2011 10:00:00	256	Projected
22/01/2011 11:00:00	252	Projected
22/01/2011 12:00:00	248	Projected
22/01/2011 13:00:00	245	Projected
22/01/2011 14:00:00	241	Projected
22/01/2011 15:00:00	237	Projected
22/01/2011 16:00:00	234	Projected
22/01/2011 17:00:00	230	Projected
22/01/2011 18:00:00	227	Projected
22/01/2011 19:00:00	223	Projected
22/01/2011 20:00:00	220	Projected
22/01/2011 21:00:00	217	Projected
22/01/2011 22:00:00	214	Projected
22/01/2011 23:00:00	210	Projected
23/01/2011 00:00:00	207	Projected
23/01/2011 01:00:00	204	Projected
23/01/2011 02:00:00	201	Projected
23/01/2011 03:00:00	198	Projected
23/01/2011 04:00:00	195	Projected

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the

addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe ALERT level

From: Duty Engineer <[REDACTED]>
 To: [REDACTED] Chris Lavin
 [REDACTED], Craig Logan [REDACTED], Don
 Carroll [REDACTED], Evan Caswell
 [REDACTED], Flood Information Centre
 [REDACTED], James Charalambous
 [REDACTED], Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Tue, 11 Jan 2011 14:26:28 +1000

Please be aware that the Wivenhoe ALERT level is reading low by about 100mm due to draw down through the gates

Terry Malone

Duty Engineer

Flood Operations Centre

Phone [REDACTED]

Fax: [REDACTED]

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Actual and Projected Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED] Don Carroll [REDACTED], Evan
 Caswell [REDACTED] Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED], Santina Pennisi
 [REDACTED]
 Date: Tue, 11 Jan 2011 16:51:54 +1000

Note that without further rain

Will be reviewed at 1800 11/01/2011

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC 16:49

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
	50	Actual

21:00:00		
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual
03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual

04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual
04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual

05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual
05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual

06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual
06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual

07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	64	Actual
07/01/2011		
16:00:00	116	Actual
07/01/2011		
17:00:00	168	Actual
07/01/2011		
18:00:00	218	Actual
07/01/2011		
19:00:00	268	Actual
07/01/2011		
20:00:00	317	Actual
07/01/2011		
21:00:00	365	Actual
07/01/2011		
22:00:00	418	Actual
07/01/2011		
23:00:00	471	Actual
08/01/2011		
00:00:00	524	Actual
08/01/2011		
01:00:00	578	Actual
08/01/2011		
02:00:00	631	Actual
08/01/2011		
03:00:00	685	Actual
08/01/2011		
04:00:00	739	Actual
08/01/2011		
05:00:00	792	Actual
08/01/2011		
06:00:00	846	Actual
08/01/2011		
07:00:00	900	Actual
08/01/2011		
08:00:00	949	Actual
08/01/2011		
09:00:00	1002	Actual
08/01/2011		
10:00:00	1055	Actual
08/01/2011		
11:00:00	1108	Actual
08/01/2011		
12:00:00	1162	Actual
08/01/2011		
13:00:00	1214	Actual
08/01/2011		
14:00:00	1266	Actual
08/01/2011		
15:00:00	1267	Actual
08/01/2011		
16:00:00	1267	Actual

08/01/2011		
17:00:00	1268	Actual
08/01/2011		
18:00:00	1268	Actual
08/01/2011		
19:00:00	1268	Actual
08/01/2011		
20:00:00	1269	Actual
08/01/2011		
21:00:00	1269	Actual
08/01/2011		
22:00:00	1269	Actual
08/01/2011		
23:00:00	1268	Actual
09/01/2011		
00:00:00	1268	Actual
09/01/2011		
01:00:00	1268	Actual
09/01/2011		
02:00:00	1314	Actual
09/01/2011		
03:00:00	1314	Actual
09/01/2011		
04:00:00	1313	Actual
09/01/2011		
05:00:00	1365	Actual
09/01/2011		
06:00:00	1364	Actual
09/01/2011		
07:00:00	1363	Actual
09/01/2011		
08:00:00	1363	Actual
09/01/2011		
09:00:00	1362	Actual
09/01/2011		
10:00:00	1362	Actual
09/01/2011		
11:00:00	1362	Actual
09/01/2011		
12:00:00	1414	Actual
09/01/2011		
13:00:00	1414	Actual
09/01/2011		
14:00:00	1415	Actual
09/01/2011		
15:00:00	1417	Actual
09/01/2011		
16:00:00	1420	Actual
09/01/2011		
17:00:00	1423	Actual
09/01/2011		
18:00:00	1426	Actual
09/01/2011		
19:00:00	1431	Actual
09/01/2011		
20:00:00	1436	Actual

09/01/2011		
21:00:00	1442	Actual
09/01/2011		
22:00:00	1449	Actual
09/01/2011		
23:00:00	1458	Actual
10/01/2011		
00:00:00	1468	Actual
10/01/2011		
01:00:00	1480	Actual
10/01/2011		
02:00:00	1546	Actual
10/01/2011		
03:00:00	1614	Actual
10/01/2011		
04:00:00	1683	Actual
10/01/2011		
05:00:00	1753	Actual
10/01/2011		
06:00:00	1822	Actual
10/01/2011		
07:00:00	1892	Actual
10/01/2011		
08:00:00	1963	Actual
10/01/2011		
09:00:00	2034	Actual
10/01/2011		
10:00:00	2047	Actual
10/01/2011		
11:00:00	2060	Actual
10/01/2011		
12:00:00	2073	Actual
10/01/2011		
13:00:00	2085	Actual
10/01/2011		
14:00:00	2096	Actual
10/01/2011		
15:00:00	2106	Actual
10/01/2011		
16:00:00	2172	Actual
10/01/2011		
17:00:00	2293	Actual
10/01/2011		
18:00:00	2418	Actual
10/01/2011		
19:00:00	2538	Actual
10/01/2011		
20:00:00	2718	Actual
10/01/2011		
21:00:00	2726	Actual
10/01/2011		
22:00:00	2733	Actual
10/01/2011		
23:00:00	2739	Actual
11/01/2011		
00:00:00	2745	Actual

11/01/2011		
01:00:00	2751	Actual
11/01/2011		
02:00:00	2756	Actual
11/01/2011		
03:00:00	2761	Actual
11/01/2011		
04:00:00	2765	Actual
11/01/2011		
05:00:00	2770	Actual
11/01/2011		
06:00:00	2775	Actual
11/01/2011		
07:00:00	2781	Actual
11/01/2011		
08:00:00	2787	Actual
11/01/2011		
09:00:00	3012	Actual
11/01/2011		
10:00:00	3363	Actual
11/01/2011		
11:00:00	3542	Actual
11/01/2011		
12:00:00	3665	Actual
11/01/2011		
13:00:00	4242	Actual
11/01/2011		
14:00:00	4540	Actual
11/01/2011		
15:00:00	5132	Actual
11/01/2011		
16:00:00	5743	Actual
11/01/2011		
17:00:00	6382	Projected
11/01/2011		
18:00:00	7054	Projected
11/01/2011		
19:00:00	7625	Projected
11/01/2011		
20:00:00	7633	Projected
11/01/2011		
21:00:00	7640	Projected
11/01/2011		
22:00:00	7645	Projected
11/01/2011		
23:00:00	7646	Projected
12/01/2011		
00:00:00	7645	Projected
12/01/2011		
01:00:00	7641	Projected
12/01/2011		
02:00:00	7633	Projected
12/01/2011		
03:00:00	7623	Projected
12/01/2011		
04:00:00	7610	Projected

12/01/2011		
05:00:00	7595	Projected
12/01/2011		
06:00:00	7577	Projected
12/01/2011		
07:00:00	7557	Projected
12/01/2011		
08:00:00	7536	Projected
12/01/2011		
09:00:00	7513	Projected
12/01/2011		
10:00:00	7488	Projected
12/01/2011		
11:00:00	7462	Projected
12/01/2011		
12:00:00	7435	Projected
12/01/2011		
13:00:00	7406	Projected
12/01/2011		
14:00:00	7376	Projected
12/01/2011		
15:00:00	7346	Projected
12/01/2011		
16:00:00	7314	Projected
12/01/2011		
17:00:00	7281	Projected
12/01/2011		
18:00:00	7248	Projected
12/01/2011		
19:00:00	7213	Projected
12/01/2011		
20:00:00	7178	Projected
12/01/2011		
21:00:00	7142	Projected
12/01/2011		
22:00:00	7105	Projected
12/01/2011		
23:00:00	7068	Projected
13/01/2011		
00:00:00	7030	Projected
13/01/2011		
01:00:00	6991	Projected
13/01/2011		
02:00:00	6951	Projected
13/01/2011		
03:00:00	6911	Projected
13/01/2011		
04:00:00	6870	Projected
13/01/2011		
05:00:00	6837	Projected
13/01/2011		
06:00:00	6804	Projected
13/01/2011		
07:00:00	6770	Projected
13/01/2011		
08:00:00	6735	Projected

13/01/2011		
09:00:00	6700	Projected
13/01/2011		
10:00:00	6664	Projected
13/01/2011		
11:00:00	6627	Projected
13/01/2011		
12:00:00	6590	Projected
13/01/2011		
13:00:00	6552	Projected
13/01/2011		
14:00:00	6514	Projected
13/01/2011		
15:00:00	6474	Projected
13/01/2011		
16:00:00	6435	Projected
13/01/2011		
17:00:00	6382	Projected
13/01/2011		
18:00:00	6323	Projected
13/01/2011		
19:00:00	6241	Projected
13/01/2011		
20:00:00	6159	Projected
13/01/2011		
21:00:00	6075	Projected
13/01/2011		
22:00:00	5991	Projected
13/01/2011		
23:00:00	5903	Projected
14/01/2011		
00:00:00	5817	Projected
14/01/2011		
01:00:00	5728	Projected
14/01/2011		
02:00:00	5639	Projected
14/01/2011		
03:00:00	5552	Projected
14/01/2011		
04:00:00	5459	Projected
14/01/2011		
05:00:00	5365	Projected
14/01/2011		
06:00:00	5267	Projected
14/01/2011		
07:00:00	5171	Projected
14/01/2011		
08:00:00	5076	Projected
14/01/2011		
09:00:00	4983	Projected
14/01/2011		
10:00:00	4892	Projected
14/01/2011		
11:00:00	4802	Projected
14/01/2011		
12:00:00	4714	Projected

14/01/2011	
13:00:00	4627 Projected
14/01/2011	
14:00:00	4542 Projected
14/01/2011	
15:00:00	4458 Projected
14/01/2011	
16:00:00	4376 Projected
14/01/2011	
17:00:00	4295 Projected
14/01/2011	
18:00:00	4215 Projected
14/01/2011	
19:00:00	4138 Projected
14/01/2011	
20:00:00	4061 Projected
14/01/2011	
21:00:00	3986 Projected
14/01/2011	
22:00:00	3912 Projected
14/01/2011	
23:00:00	3840 Projected
15/01/2011	
00:00:00	3769 Projected
15/01/2011	
01:00:00	3699 Projected
15/01/2011	
02:00:00	3631 Projected
15/01/2011	
03:00:00	3563 Projected
15/01/2011	
04:00:00	3497 Projected
15/01/2011	
05:00:00	3433 Projected
15/01/2011	
06:00:00	3369 Projected
15/01/2011	
07:00:00	3307 Projected
15/01/2011	
08:00:00	3246 Projected
15/01/2011	
09:00:00	3186 Projected
15/01/2011	
10:00:00	3127 Projected
15/01/2011	
11:00:00	3069 Projected
15/01/2011	
12:00:00	3012 Projected
15/01/2011	
13:00:00	2957 Projected
15/01/2011	
14:00:00	2902 Projected
15/01/2011	
15:00:00	2849 Projected
15/01/2011	
16:00:00	2796 Projected

15/01/2011		
17:00:00	2745	Projected
15/01/2011		
18:00:00	2694	Projected
15/01/2011		
19:00:00	2645	Projected
15/01/2011		
20:00:00	2596	Projected
15/01/2011		
21:00:00	2549	Projected
15/01/2011		
22:00:00	2502	Projected
15/01/2011		
23:00:00	2456	Projected
16/01/2011		
00:00:00	2411	Projected
16/01/2011		
01:00:00	2367	Projected
16/01/2011		
02:00:00	2324	Projected
16/01/2011		
03:00:00	2282	Projected
16/01/2011		
04:00:00	2240	Projected
16/01/2011		
05:00:00	2200	Projected
16/01/2011		
06:00:00	2160	Projected
16/01/2011		
07:00:00	2121	Projected
16/01/2011		
08:00:00	2082	Projected
16/01/2011		
09:00:00	2045	Projected
16/01/2011		
10:00:00	2008	Projected
16/01/2011		
11:00:00	1972	Projected
16/01/2011		
12:00:00	1936	Projected
16/01/2011		
13:00:00	1902	Projected
16/01/2011		
14:00:00	1868	Projected
16/01/2011		
15:00:00	1834	Projected
16/01/2011		
16:00:00	1802	Projected
16/01/2011		
17:00:00	1770	Projected
16/01/2011		
18:00:00	1738	Projected
16/01/2011		
19:00:00	1708	Projected
16/01/2011		
20:00:00	1677	Projected

16/01/2011		
21:00:00	0	Projected
16/01/2011		
22:00:00	0	Projected
16/01/2011		
23:00:00	0	Projected
17/01/2011		
00:00:00	0	Projected
17/01/2011		
01:00:00	929	Projected
17/01/2011		
02:00:00	0	Projected
17/01/2011		
03:00:00	0	Projected
17/01/2011		
04:00:00	0	Projected
17/01/2011		
05:00:00	0	Projected
17/01/2011		
06:00:00	798	Projected
17/01/2011		
07:00:00	0	Projected
17/01/2011		
08:00:00	0	Projected

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 1800 12 Janaury 2011

From: Duty Engineer [REDACTED]
 To: David Roberts [REDACTED]
 [REDACTED] Paul Bird [REDACTED] Peter Allen
 [REDACTED] Rohan Thorogood
 [REDACTED] "Tony Jacobs (private)" [REDACTED]
 [REDACTED] Doug Grigg [REDACTED]
 [REDACTED] Graham Francis [REDACTED] Jayam
 Tennakoon [REDACTED], Matthew O'Reilly [REDACTED]
 Tony Trace [REDACTED] Chris Lavin [REDACTED] Craig
 Logan [REDACTED] Don Carroll [REDACTED]
 Evan Caswell [REDACTED] Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED] Al Navaruk [REDACTED] Bill Stephens
 [REDACTED] David Pokarier [REDACTED] John
 West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
 [REDACTED] Nev Ablitt [REDACTED]
 [REDACTED] Glenn Patterson
 [REDACTED] Murray Dunstan
 [REDACTED] Rob Goran [REDACTED]

Date: Tue, 11 Jan 2011 17:59:53 +1000

In the last twelve hours totals of up to 370mm have fallen in the area around Wivenhoe Dam. In the last hour, rainfalls between 15 and 30mm have been recorded in the same area. At 1600, the BoM advised that falls between 50 to 100mm are still forecast for the 24hrs to 1600 Wednesday 12 January 2011 for the North Pine and Somerset/Wivenhoe catchments.

At 1730 Wivenhoe Dam was 74.92m AHD and rising slowly and releasing about 6,700m³/s

The current expectation is that the dam will reach a steady state (outflow equals inflow) within the next 3 hours without further significant rainfall. At this time, release from the dam will be about 8,000 m³/s.

If there is no further rainfall, it may be possible to then slowly reduce this release overnight.

The dam is expected to peak below 75.5m AHD which is 100mmm below the first fuse plug initiation level.

Note that the automatic recorder as indicated on the BoM website is affected by drawdown and is not reflecting the actual lake level and tendency.

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is also maintaining close contact with warning agencies and local councils.

The next report will be issued at 2100 12 January 2011.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Tue, 11 Jan 2011 18:07:08 +1000

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC 18:06

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual
03/01/2011		
03:00:00	50	Actual

03:00:00		
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual

04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual

05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual

06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	64	Actual
07/01/2011		
16:00:00	116	Actual
07/01/2011		
17:00:00	168	Actual
07/01/2011		
18:00:00	218	Actual

07/01/2011		
19:00:00	268	Actual
07/01/2011		
20:00:00	317	Actual
07/01/2011		
21:00:00	365	Actual
07/01/2011		
22:00:00	418	Actual
07/01/2011		
23:00:00	471	Actual
08/01/2011		
00:00:00	524	Actual
08/01/2011		
01:00:00	578	Actual
08/01/2011		
02:00:00	631	Actual
08/01/2011		
03:00:00	685	Actual
08/01/2011		
04:00:00	739	Actual
08/01/2011		
05:00:00	792	Actual
08/01/2011		
06:00:00	846	Actual
08/01/2011		
07:00:00	900	Actual
08/01/2011		
08:00:00	949	Actual
08/01/2011		
09:00:00	1002	Actual
08/01/2011		
10:00:00	1055	Actual
08/01/2011		
11:00:00	1108	Actual
08/01/2011		
12:00:00	1162	Actual
08/01/2011		
13:00:00	1214	Actual
08/01/2011		
14:00:00	1266	Actual
08/01/2011		
15:00:00	1267	Actual
08/01/2011		
16:00:00	1267	Actual
08/01/2011		
17:00:00	1268	Actual
08/01/2011		
18:00:00	1268	Actual
08/01/2011		
19:00:00	1268	Actual
08/01/2011		
20:00:00	1269	Actual
08/01/2011		
21:00:00	1269	Actual
08/01/2011		
22:00:00	1269	Actual

08/01/2011		
23:00:00	1268	Actual
09/01/2011		
00:00:00	1268	Actual
09/01/2011		
01:00:00	1268	Actual
09/01/2011		
02:00:00	1314	Actual
09/01/2011		
03:00:00	1314	Actual
09/01/2011		
04:00:00	1313	Actual
09/01/2011		
05:00:00	1365	Actual
09/01/2011		
06:00:00	1364	Actual
09/01/2011		
07:00:00	1363	Actual
09/01/2011		
08:00:00	1363	Actual
09/01/2011		
09:00:00	1362	Actual
09/01/2011		
10:00:00	1362	Actual
09/01/2011		
11:00:00	1362	Actual
09/01/2011		
12:00:00	1414	Actual
09/01/2011		
13:00:00	1414	Actual
09/01/2011		
14:00:00	1415	Actual
09/01/2011		
15:00:00	1417	Actual
09/01/2011		
16:00:00	1420	Actual
09/01/2011		
17:00:00	1423	Actual
09/01/2011		
18:00:00	1426	Actual
09/01/2011		
19:00:00	1431	Actual
09/01/2011		
20:00:00	1436	Actual
09/01/2011		
21:00:00	1442	Actual
09/01/2011		
22:00:00	1449	Actual
09/01/2011		
23:00:00	1458	Actual
10/01/2011		
00:00:00	1468	Actual
10/01/2011		
01:00:00	1480	Actual
10/01/2011		
02:00:00	1546	Actual

10/01/2011		
03:00:00	1614	Actual
10/01/2011		
04:00:00	1683	Actual
10/01/2011		
05:00:00	1753	Actual
10/01/2011		
06:00:00	1822	Actual
10/01/2011		
07:00:00	1892	Actual
10/01/2011		
08:00:00	1963	Actual
10/01/2011		
09:00:00	2034	Actual
10/01/2011		
10:00:00	2047	Actual
10/01/2011		
11:00:00	2060	Actual
10/01/2011		
12:00:00	2073	Actual
10/01/2011		
13:00:00	2085	Actual
10/01/2011		
14:00:00	2096	Actual
10/01/2011		
15:00:00	2106	Actual
10/01/2011		
16:00:00	2172	Actual
10/01/2011		
17:00:00	2293	Actual
10/01/2011		
18:00:00	2418	Actual
10/01/2011		
19:00:00	2538	Actual
10/01/2011		
20:00:00	2718	Actual
10/01/2011		
21:00:00	2726	Actual
10/01/2011		
22:00:00	2733	Actual
10/01/2011		
23:00:00	2739	Actual
11/01/2011		
00:00:00	2745	Actual
11/01/2011		
01:00:00	2751	Actual
11/01/2011		
02:00:00	2756	Actual
11/01/2011		
03:00:00	2761	Actual
11/01/2011		
04:00:00	2765	Actual
11/01/2011		
05:00:00	2770	Actual
11/01/2011		
06:00:00	2775	Actual

11/01/2011		
07:00:00	2781	Actual
11/01/2011		
08:00:00	2787	Actual
11/01/2011		
09:00:00	3012	Actual
11/01/2011		
10:00:00	3363	Actual
11/01/2011		
11:00:00	3542	Actual
11/01/2011		
12:00:00	3665	Actual
11/01/2011		
13:00:00	4242	Actual
11/01/2011		
14:00:00	4540	Actual
11/01/2011		
15:00:00	5132	Actual
11/01/2011		
16:00:00	5743	Actual
11/01/2011		
17:00:00	6382	Actual
11/01/2011		
18:00:00	6720	Actual
11/01/2011		
19:00:00	7412	Projected
11/01/2011		
20:00:00	7421	Projected
11/01/2011		
21:00:00	7429	Projected
11/01/2011		
22:00:00	7435	Projected
11/01/2011		
23:00:00	7438	Projected
12/01/2011		
00:00:00	7438	Projected
12/01/2011		
01:00:00	7435	Projected
12/01/2011		
02:00:00	7429	Projected
12/01/2011		
03:00:00	7421	Projected
12/01/2011		
04:00:00	7409	Projected
12/01/2011		
05:00:00	7396	Projected
12/01/2011		
06:00:00	7380	Projected
12/01/2011		
07:00:00	7363	Projected
12/01/2011		
08:00:00	7343	Projected
12/01/2011		
09:00:00	7323	Projected
12/01/2011		
10:00:00	7300	Projected

12/01/2011		
11:00:00	7277	Projected
12/01/2011		
12:00:00	7252	Projected
12/01/2011		
13:00:00	7226	Projected
12/01/2011		
14:00:00	7199	Projected
12/01/2011		
15:00:00	7170	Projected
12/01/2011		
16:00:00	7141	Projected
12/01/2011		
17:00:00	7111	Projected
12/01/2011		
18:00:00	7081	Projected
12/01/2011		
19:00:00	7049	Projected
12/01/2011		
20:00:00	7017	Projected
12/01/2011		
21:00:00	6983	Projected
12/01/2011		
22:00:00	6950	Projected
12/01/2011		
23:00:00	6915	Projected
13/01/2011		
00:00:00	6880	Projected
13/01/2011		
01:00:00	6844	Projected
13/01/2011		
02:00:00	6807	Projected
13/01/2011		
03:00:00	6770	Projected
13/01/2011		
04:00:00	6733	Projected
13/01/2011		
05:00:00	6703	Projected
13/01/2011		
06:00:00	6672	Projected
13/01/2011		
07:00:00	6641	Projected
13/01/2011		
08:00:00	6610	Projected
13/01/2011		
09:00:00	6577	Projected
13/01/2011		
10:00:00	6544	Projected
13/01/2011		
11:00:00	6511	Projected
13/01/2011		
12:00:00	6476	Projected
13/01/2011		
13:00:00	6442	Projected
13/01/2011		
14:00:00	6406	Projected

13/01/2011	
15:00:00	6370 Projected
13/01/2011	
16:00:00	6334 Projected
13/01/2011	
17:00:00	6297 Projected
13/01/2011	
18:00:00	6260 Projected
13/01/2011	
19:00:00	6219 Projected
13/01/2011	
20:00:00	6179 Projected
13/01/2011	
21:00:00	6136 Projected
13/01/2011	
22:00:00	6092 Projected
13/01/2011	
23:00:00	6046 Projected
14/01/2011	
00:00:00	5999 Projected
14/01/2011	
01:00:00	5908 Projected
14/01/2011	
02:00:00	5807 Projected
14/01/2011	
03:00:00	5706 Projected
14/01/2011	
04:00:00	5607 Projected
14/01/2011	
05:00:00	5509 Projected
14/01/2011	
06:00:00	5408 Projected
14/01/2011	
07:00:00	5309 Projected
14/01/2011	
08:00:00	5211 Projected
14/01/2011	
09:00:00	5116 Projected
14/01/2011	
10:00:00	5021 Projected
14/01/2011	
11:00:00	4929 Projected
14/01/2011	
12:00:00	4838 Projected
14/01/2011	
13:00:00	4749 Projected
14/01/2011	
14:00:00	4661 Projected
14/01/2011	
15:00:00	4575 Projected
14/01/2011	
16:00:00	4490 Projected
14/01/2011	
17:00:00	4407 Projected
14/01/2011	
18:00:00	4325 Projected

14/01/2011		
19:00:00	4245	Projected
14/01/2011		
20:00:00	4167	Projected
14/01/2011		
21:00:00	4089	Projected
14/01/2011		
22:00:00	4014	Projected
14/01/2011		
23:00:00	3939	Projected
15/01/2011		
00:00:00	3866	Projected
15/01/2011		
01:00:00	3794	Projected
15/01/2011		
02:00:00	3724	Projected
15/01/2011		
03:00:00	3654	Projected
15/01/2011		
04:00:00	3586	Projected
15/01/2011		
05:00:00	3520	Projected
15/01/2011		
06:00:00	3454	Projected
15/01/2011		
07:00:00	3390	Projected
15/01/2011		
08:00:00	3327	Projected
15/01/2011		
09:00:00	3266	Projected
15/01/2011		
10:00:00	3205	Projected
15/01/2011		
11:00:00	3146	Projected
15/01/2011		
12:00:00	3087	Projected
15/01/2011		
13:00:00	3030	Projected
15/01/2011		
14:00:00	2974	Projected
15/01/2011		
15:00:00	2919	Projected
15/01/2011		
16:00:00	2865	Projected
15/01/2011		
17:00:00	2812	Projected
15/01/2011		
18:00:00	2760	Projected
15/01/2011		
19:00:00	2709	Projected
15/01/2011		
20:00:00	2659	Projected
15/01/2011		
21:00:00	2610	Projected
15/01/2011		
22:00:00	2562	Projected

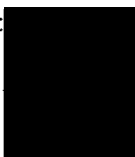
15/01/2011		
23:00:00	2515	Projected
16/01/2011		
00:00:00	2469	Projected
16/01/2011		
01:00:00	2424	Projected
16/01/2011		
02:00:00	2380	Projected
16/01/2011		
03:00:00	2336	Projected
16/01/2011		
04:00:00	2293	Projected
16/01/2011		
05:00:00	2251	Projected
16/01/2011		
06:00:00	2211	Projected
16/01/2011		
07:00:00	2170	Projected
16/01/2011		
08:00:00	2131	Projected
16/01/2011		
09:00:00	2092	Projected
16/01/2011		
10:00:00	2054	Projected
16/01/2011		
11:00:00	2017	Projected
16/01/2011		
12:00:00	1981	Projected
16/01/2011		
13:00:00	1945	Projected
16/01/2011		
14:00:00	1910	Projected
16/01/2011		
15:00:00	1876	Projected
16/01/2011		
16:00:00	1842	Projected
16/01/2011		
17:00:00	1810	Projected
16/01/2011		
18:00:00	1777	Projected
16/01/2011		
19:00:00	1745	Projected
16/01/2011		
20:00:00	1715	Projected
16/01/2011		
21:00:00	1684	Projected
16/01/2011		
22:00:00	0	Projected
16/01/2011		
23:00:00	0	Projected
17/01/2011		
00:00:00	0	Projected
17/01/2011		
01:00:00	930	Projected
17/01/2011		
02:00:00	0	Projected

17/01/2011		
03:00:00	0	Projected
17/01/2011		
04:00:00	0	Projected
17/01/2011		
05:00:00	832	Projected
17/01/2011		
06:00:00	0	Projected
17/01/2011		
07:00:00	0	Projected
17/01/2011		
08:00:00	0	Projected

Duty Engineer

Flood Operations Centre

Phone:



Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED], Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris <[REDACTED]>
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]
 Date: Tue, 11 Jan 2011 21:10:52 +1000

Please note we have commenced closure sequences at 2100 11/01/2011.

Hopefully there will be no more significant rain

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC 21:07

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
	50	Actual

20:00:00		
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual
03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual

04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual
04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual

05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual
05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual

06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual
06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual

07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	65	Actual
07/01/2011		
16:00:00	117	Actual
07/01/2011		
17:00:00	169	Actual
07/01/2011		
18:00:00	220	Actual
07/01/2011		
19:00:00	271	Actual
07/01/2011		
20:00:00	320	Actual
07/01/2011		
21:00:00	369	Actual
07/01/2011		
22:00:00	422	Actual
07/01/2011		
23:00:00	476	Actual
08/01/2011		
00:00:00	529	Actual
08/01/2011		
01:00:00	583	Actual
08/01/2011		
02:00:00	637	Actual
08/01/2011		
03:00:00	691	Actual
08/01/2011		
04:00:00	745	Actual
08/01/2011		
05:00:00	799	Actual
08/01/2011		
06:00:00	854	Actual
08/01/2011		
07:00:00	909	Actual
08/01/2011		
08:00:00	957	Actual
08/01/2011		
09:00:00	1011	Actual
08/01/2011		
10:00:00	1064	Actual
08/01/2011		
11:00:00	1118	Actual
08/01/2011		
12:00:00	1172	Actual
08/01/2011		
13:00:00	1225	Actual
08/01/2011		
14:00:00	1277	Actual
08/01/2011		
15:00:00	1278	Actual

08/01/2011		
16:00:00	1278	Actual
08/01/2011		
17:00:00	1279	Actual
08/01/2011		
18:00:00	1279	Actual
08/01/2011		
19:00:00	1279	Actual
08/01/2011		
20:00:00	1280	Actual
08/01/2011		
21:00:00	1280	Actual
08/01/2011		
22:00:00	1280	Actual
08/01/2011		
23:00:00	1279	Actual
09/01/2011		
00:00:00	1279	Actual
09/01/2011		
01:00:00	1279	Actual
09/01/2011		
02:00:00	1326	Actual
09/01/2011		
03:00:00	1325	Actual
09/01/2011		
04:00:00	1325	Actual
09/01/2011		
05:00:00	1377	Actual
09/01/2011		
06:00:00	1376	Actual
09/01/2011		
07:00:00	1376	Actual
09/01/2011		
08:00:00	1375	Actual
09/01/2011		
09:00:00	1374	Actual
09/01/2011		
10:00:00	1374	Actual
09/01/2011		
11:00:00	1374	Actual
09/01/2011		
12:00:00	1428	Actual
09/01/2011		
13:00:00	1428	Actual
09/01/2011		
14:00:00	1429	Actual
09/01/2011		
15:00:00	1431	Actual
09/01/2011		
16:00:00	1434	Actual
09/01/2011		
17:00:00	1437	Actual
09/01/2011		
18:00:00	1442	Actual
09/01/2011		
19:00:00	1447	Actual

09/01/2011		
20:00:00	1452	Actual
09/01/2011		
21:00:00	1459	Actual
09/01/2011		
22:00:00	1466	Actual
09/01/2011		
23:00:00	1475	Actual
10/01/2011		
00:00:00	1485	Actual
10/01/2011		
01:00:00	1497	Actual
10/01/2011		
02:00:00	1564	Actual
10/01/2011		
03:00:00	1632	Actual
10/01/2011		
04:00:00	1701	Actual
10/01/2011		
05:00:00	1770	Actual
10/01/2011		
06:00:00	1840	Actual
10/01/2011		
07:00:00	1910	Actual
10/01/2011		
08:00:00	1981	Actual
10/01/2011		
09:00:00	2052	Actual
10/01/2011		
10:00:00	2065	Actual
10/01/2011		
11:00:00	2077	Actual
10/01/2011		
12:00:00	2090	Actual
10/01/2011		
13:00:00	2103	Actual
10/01/2011		
14:00:00	2114	Actual
10/01/2011		
15:00:00	2124	Actual
10/01/2011		
16:00:00	2190	Actual
10/01/2011		
17:00:00	2312	Actual
10/01/2011		
18:00:00	2438	Actual
10/01/2011		
19:00:00	2560	Actual
10/01/2011		
20:00:00	2741	Actual
10/01/2011		
21:00:00	2749	Actual
10/01/2011		
22:00:00	2756	Actual
10/01/2011		
23:00:00	2763	Actual

11/01/2011		
00:00:00	2769	Actual
11/01/2011		
01:00:00	2774	Actual
11/01/2011		
02:00:00	2779	Actual
11/01/2011		
03:00:00	2784	Actual
11/01/2011		
04:00:00	2788	Actual
11/01/2011		
05:00:00	2793	Actual
11/01/2011		
06:00:00	2799	Actual
11/01/2011		
07:00:00	2805	Actual
11/01/2011		
08:00:00	2811	Actual
11/01/2011		
09:00:00	3038	Actual
11/01/2011		
10:00:00	3394	Actual
11/01/2011		
11:00:00	3574	Actual
11/01/2011		
12:00:00	3699	Actual
11/01/2011		
13:00:00	4283	Actual
11/01/2011		
14:00:00	4584	Actual
11/01/2011		
15:00:00	5183	Actual
11/01/2011		
16:00:00	5801	Actual
11/01/2011		
17:00:00	6445	Actual
11/01/2011		
18:00:00	6786	Actual
11/01/2011		
19:00:00	7482	Actual
11/01/2011		
20:00:00	7487	Actual
11/01/2011		
21:00:00	7489	Actual
11/01/2011		
22:00:00	6802	Projected
11/01/2011		
23:00:00	6804	Projected
12/01/2011		
00:00:00	6804	Projected
12/01/2011		
01:00:00	6802	Projected
12/01/2011		
02:00:00	6798	Projected
12/01/2011		
03:00:00	6793	Projected

12/01/2011	
04:00:00	6786 Projected
12/01/2011	
05:00:00	6778 Projected
12/01/2011	
06:00:00	6768 Projected
12/01/2011	
07:00:00	6756 Projected
12/01/2011	
08:00:00	6744 Projected
12/01/2011	
09:00:00	6730 Projected
12/01/2011	
10:00:00	6715 Projected
12/01/2011	
11:00:00	6699 Projected
12/01/2011	
12:00:00	6682 Projected
12/01/2011	
13:00:00	6664 Projected
12/01/2011	
14:00:00	6645 Projected
12/01/2011	
15:00:00	6626 Projected
12/01/2011	
16:00:00	6605 Projected
12/01/2011	
17:00:00	6584 Projected
12/01/2011	
18:00:00	6562 Projected
12/01/2011	
19:00:00	6540 Projected
12/01/2011	
20:00:00	6516 Projected
12/01/2011	
21:00:00	6493 Projected
12/01/2011	
22:00:00	6468 Projected
12/01/2011	
23:00:00	6443 Projected
13/01/2011	
00:00:00	6417 Projected
13/01/2011	
01:00:00	6391 Projected
13/01/2011	
02:00:00	6365 Projected
13/01/2011	
03:00:00	6338 Projected
13/01/2011	
04:00:00	6310 Projected
13/01/2011	
05:00:00	6282 Projected
13/01/2011	
06:00:00	6253 Projected
13/01/2011	
07:00:00	6224 Projected

13/01/2011	
08:00:00	6195 Projected
13/01/2011	
09:00:00	6165 Projected
13/01/2011	
10:00:00	6134 Projected
13/01/2011	
11:00:00	6103 Projected
13/01/2011	
12:00:00	6072 Projected
13/01/2011	
13:00:00	6040 Projected
13/01/2011	
14:00:00	6008 Projected
13/01/2011	
15:00:00	5976 Projected
13/01/2011	
16:00:00	5943 Projected
13/01/2011	
17:00:00	5910 Projected
13/01/2011	
18:00:00	5876 Projected
13/01/2011	
19:00:00	5842 Projected
13/01/2011	
20:00:00	5807 Projected
13/01/2011	
21:00:00	5773 Projected
13/01/2011	
22:00:00	5737 Projected
13/01/2011	
23:00:00	5702 Projected
14/01/2011	
00:00:00	5666 Projected
14/01/2011	
01:00:00	5629 Projected
14/01/2011	
02:00:00	5592 Projected
14/01/2011	
03:00:00	5555 Projected
14/01/2011	
04:00:00	5517 Projected
14/01/2011	
05:00:00	5480 Projected
14/01/2011	
06:00:00	5441 Projected
14/01/2011	
07:00:00	5402 Projected
14/01/2011	
08:00:00	5363 Projected
14/01/2011	
09:00:00	5324 Projected
14/01/2011	
10:00:00	5284 Projected
14/01/2011	
11:00:00	5243 Projected

14/01/2011		
12:00:00	5202	Projected
14/01/2011		
13:00:00	5161	Projected
14/01/2011		
14:00:00	5120	Projected
14/01/2011		
15:00:00	5059	Projected
14/01/2011		
16:00:00	4988	Projected
14/01/2011		
17:00:00	4900	Projected
14/01/2011		
18:00:00	4815	Projected
14/01/2011		
19:00:00	4730	Projected
14/01/2011		
20:00:00	4647	Projected
14/01/2011		
21:00:00	4565	Projected
14/01/2011		
22:00:00	4485	Projected
14/01/2011		
23:00:00	4406	Projected
15/01/2011		
00:00:00	4329	Projected
15/01/2011		
01:00:00	4252	Projected
15/01/2011		
02:00:00	4177	Projected
15/01/2011		
03:00:00	4104	Projected
15/01/2011		
04:00:00	4031	Projected
15/01/2011		
05:00:00	3960	Projected
15/01/2011		
06:00:00	3890	Projected
15/01/2011		
07:00:00	3821	Projected
15/01/2011		
08:00:00	3754	Projected
15/01/2011		
09:00:00	3687	Projected
15/01/2011		
10:00:00	3622	Projected
15/01/2011		
11:00:00	3558	Projected
15/01/2011		
12:00:00	3495	Projected
15/01/2011		
13:00:00	3433	Projected
15/01/2011		
14:00:00	3373	Projected
15/01/2011		
15:00:00	3313	Projected

15/01/2011		
16:00:00	3255	Projected
15/01/2011		
17:00:00	3197	Projected
15/01/2011		
18:00:00	3141	Projected
15/01/2011		
19:00:00	3085	Projected
15/01/2011		
20:00:00	3031	Projected
15/01/2011		
21:00:00	2977	Projected
15/01/2011		
22:00:00	2925	Projected
15/01/2011		
23:00:00	2873	Projected
16/01/2011		
00:00:00	2822	Projected
16/01/2011		
01:00:00	2773	Projected
16/01/2011		
02:00:00	2724	Projected
16/01/2011		
03:00:00	2676	Projected
16/01/2011		
04:00:00	2629	Projected
16/01/2011		
05:00:00	2583	Projected
16/01/2011		
06:00:00	2538	Projected
16/01/2011		
07:00:00	2493	Projected
16/01/2011		
08:00:00	2449	Projected
16/01/2011		
09:00:00	2407	Projected
16/01/2011		
10:00:00	2365	Projected
16/01/2011		
11:00:00	2324	Projected
16/01/2011		
12:00:00	2283	Projected
16/01/2011		
13:00:00	2243	Projected
16/01/2011		
14:00:00	2204	Projected
16/01/2011		
15:00:00	2166	Projected
16/01/2011		
16:00:00	2129	Projected
16/01/2011		
17:00:00	2092	Projected
16/01/2011		
18:00:00	2056	Projected
16/01/2011		
19:00:00	2020	Projected

16/01/2011		
20:00:00	1985	Projected
16/01/2011		
21:00:00	1951	Projected
16/01/2011		
22:00:00	1918	Projected
16/01/2011		
23:00:00	1007	Projected
17/01/2011		
00:00:00	1005	Projected
17/01/2011		
01:00:00	965	Projected
17/01/2011		
02:00:00	926	Projected
17/01/2011		
03:00:00	895	Projected
17/01/2011		
04:00:00	857	Projected
17/01/2011		
05:00:00	856	Projected
17/01/2011		
06:00:00	819	Projected
17/01/2011		
07:00:00	779	Projected
17/01/2011		
08:00:00	740	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases (Updated)

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED], Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Tue, 11 Jan 2011 22:01:36 +1000

Please note that the closure sequence is only valid for 12 hours to 0900 12/01/2011

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC 22:00

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual

03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual
03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual

04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual
04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual

05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual
05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual

06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual
06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	65	Actual

07/01/2011		
16:00:00	117	Actual
07/01/2011		
17:00:00	169	Actual
07/01/2011		
18:00:00	220	Actual
07/01/2011		
19:00:00	271	Actual
07/01/2011		
20:00:00	320	Actual
07/01/2011		
21:00:00	369	Actual
07/01/2011		
22:00:00	422	Actual
07/01/2011		
23:00:00	476	Actual
08/01/2011		
00:00:00	529	Actual
08/01/2011		
01:00:00	583	Actual
08/01/2011		
02:00:00	637	Actual
08/01/2011		
03:00:00	691	Actual
08/01/2011		
04:00:00	745	Actual
08/01/2011		
05:00:00	799	Actual
08/01/2011		
06:00:00	854	Actual
08/01/2011		
07:00:00	909	Actual
08/01/2011		
08:00:00	957	Actual
08/01/2011		
09:00:00	1011	Actual
08/01/2011		
10:00:00	1064	Actual
08/01/2011		
11:00:00	1118	Actual
08/01/2011		
12:00:00	1172	Actual
08/01/2011		
13:00:00	1225	Actual
08/01/2011		
14:00:00	1277	Actual
08/01/2011		
15:00:00	1278	Actual
08/01/2011		
16:00:00	1278	Actual
08/01/2011		
17:00:00	1279	Actual
08/01/2011		
18:00:00	1279	Actual
08/01/2011		
19:00:00	1279	Actual

08/01/2011		
20:00:00	1280	Actual
08/01/2011		
21:00:00	1280	Actual
08/01/2011		
22:00:00	1280	Actual
08/01/2011		
23:00:00	1279	Actual
09/01/2011		
00:00:00	1279	Actual
09/01/2011		
01:00:00	1279	Actual
09/01/2011		
02:00:00	1326	Actual
09/01/2011		
03:00:00	1325	Actual
09/01/2011		
04:00:00	1325	Actual
09/01/2011		
05:00:00	1377	Actual
09/01/2011		
06:00:00	1376	Actual
09/01/2011		
07:00:00	1376	Actual
09/01/2011		
08:00:00	1375	Actual
09/01/2011		
09:00:00	1374	Actual
09/01/2011		
10:00:00	1374	Actual
09/01/2011		
11:00:00	1374	Actual
09/01/2011		
12:00:00	1428	Actual
09/01/2011		
13:00:00	1428	Actual
09/01/2011		
14:00:00	1429	Actual
09/01/2011		
15:00:00	1431	Actual
09/01/2011		
16:00:00	1434	Actual
09/01/2011		
17:00:00	1437	Actual
09/01/2011		
18:00:00	1442	Actual
09/01/2011		
19:00:00	1447	Actual
09/01/2011		
20:00:00	1452	Actual
09/01/2011		
21:00:00	1459	Actual
09/01/2011		
22:00:00	1466	Actual
09/01/2011		
23:00:00	1475	Actual

10/01/2011		
00:00:00	1485	Actual
10/01/2011		
01:00:00	1497	Actual
10/01/2011		
02:00:00	1564	Actual
10/01/2011		
03:00:00	1632	Actual
10/01/2011		
04:00:00	1701	Actual
10/01/2011		
05:00:00	1770	Actual
10/01/2011		
06:00:00	1840	Actual
10/01/2011		
07:00:00	1910	Actual
10/01/2011		
08:00:00	1981	Actual
10/01/2011		
09:00:00	2052	Actual
10/01/2011		
10:00:00	2065	Actual
10/01/2011		
11:00:00	2077	Actual
10/01/2011		
12:00:00	2090	Actual
10/01/2011		
13:00:00	2103	Actual
10/01/2011		
14:00:00	2114	Actual
10/01/2011		
15:00:00	2124	Actual
10/01/2011		
16:00:00	2190	Actual
10/01/2011		
17:00:00	2312	Actual
10/01/2011		
18:00:00	2438	Actual
10/01/2011		
19:00:00	2560	Actual
10/01/2011		
20:00:00	2741	Actual
10/01/2011		
21:00:00	2749	Actual
10/01/2011		
22:00:00	2756	Actual
10/01/2011		
23:00:00	2763	Actual
11/01/2011		
00:00:00	2769	Actual
11/01/2011		
01:00:00	2774	Actual
11/01/2011		
02:00:00	2779	Actual
11/01/2011		
03:00:00	2784	Actual

11/01/2011		
04:00:00	2788	Actual
11/01/2011		
05:00:00	2793	Actual
11/01/2011		
06:00:00	2799	Actual
11/01/2011		
07:00:00	2805	Actual
11/01/2011		
08:00:00	2811	Actual
11/01/2011		
09:00:00	3038	Actual
11/01/2011		
10:00:00	3394	Actual
11/01/2011		
11:00:00	3574	Actual
11/01/2011		
12:00:00	3699	Actual
11/01/2011		
13:00:00	4283	Actual
11/01/2011		
14:00:00	4584	Actual
11/01/2011		
15:00:00	5183	Actual
11/01/2011		
16:00:00	5801	Actual
11/01/2011		
17:00:00	6445	Actual
11/01/2011		
18:00:00	6786	Actual
11/01/2011		
19:00:00	7482	Actual
11/01/2011		
20:00:00	7487	Actual
11/01/2011		
21:00:00	7489	Actual
11/01/2011		
22:00:00	7141	Actual
11/01/2011		
23:00:00	7141	Projected
12/01/2011		
00:00:00	6800	Projected
12/01/2011		
01:00:00	6798	Projected
12/01/2011		
02:00:00	6466	Projected
12/01/2011		
03:00:00	6462	Projected
12/01/2011		
04:00:00	6137	Projected
12/01/2011		
05:00:00	6133	Projected
12/01/2011		
06:00:00	6127	Projected
12/01/2011		
07:00:00	5809	Projected

12/01/2011		
08:00:00	5803	Projected
12/01/2011		
09:00:00	5492	Projected
12/01/2011		
10:00:00	5485	Projected
12/01/2011		
11:00:00	5479	Projected
12/01/2011		
12:00:00	5471	Projected
12/01/2011		
13:00:00	5463	Projected
12/01/2011		
14:00:00	5454	Projected
12/01/2011		
15:00:00	5444	Projected
12/01/2011		
16:00:00	5434	Projected
12/01/2011		
17:00:00	5423	Projected
12/01/2011		
18:00:00	5412	Projected
12/01/2011		
19:00:00	5400	Projected
12/01/2011		
20:00:00	5388	Projected
12/01/2011		
21:00:00	5375	Projected
12/01/2011		
22:00:00	5362	Projected
12/01/2011		
23:00:00	5349	Projected
13/01/2011		
00:00:00	5335	Projected
13/01/2011		
01:00:00	5320	Projected
13/01/2011		
02:00:00	5306	Projected
13/01/2011		
03:00:00	5291	Projected
13/01/2011		
04:00:00	5276	Projected
13/01/2011		
05:00:00	5260	Projected
13/01/2011		
06:00:00	5244	Projected
13/01/2011		
07:00:00	5228	Projected
13/01/2011		
08:00:00	5212	Projected
13/01/2011		
09:00:00	5195	Projected
13/01/2011		
10:00:00	5178	Projected
13/01/2011		
11:00:00	5161	Projected

13/01/2011	
12:00:00	5143 Projected
13/01/2011	
13:00:00	5125 Projected
13/01/2011	
14:00:00	5107 Projected
13/01/2011	
15:00:00	5089 Projected
13/01/2011	
16:00:00	5070 Projected
13/01/2011	
17:00:00	5052 Projected
13/01/2011	
18:00:00	5033 Projected
13/01/2011	
19:00:00	5013 Projected
13/01/2011	
20:00:00	4994 Projected
13/01/2011	
21:00:00	4974 Projected
13/01/2011	
22:00:00	4954 Projected
13/01/2011	
23:00:00	4934 Projected
14/01/2011	
00:00:00	4914 Projected
14/01/2011	
01:00:00	4893 Projected
14/01/2011	
02:00:00	4872 Projected
14/01/2011	
03:00:00	4851 Projected
14/01/2011	
04:00:00	4830 Projected
14/01/2011	
05:00:00	4808 Projected
14/01/2011	
06:00:00	4787 Projected
14/01/2011	
07:00:00	4765 Projected
14/01/2011	
08:00:00	4743 Projected
14/01/2011	
09:00:00	4720 Projected
14/01/2011	
10:00:00	4698 Projected
14/01/2011	
11:00:00	4675 Projected
14/01/2011	
12:00:00	4652 Projected
14/01/2011	
13:00:00	4629 Projected
14/01/2011	
14:00:00	4605 Projected
14/01/2011	
15:00:00	4582 Projected

14/01/2011		
16:00:00	4558	Projected
14/01/2011		
17:00:00	4534	Projected
14/01/2011		
18:00:00	4510	Projected
14/01/2011		
19:00:00	4485	Projected
14/01/2011		
20:00:00	4461	Projected
14/01/2011		
21:00:00	4436	Projected
14/01/2011		
22:00:00	4411	Projected
14/01/2011		
23:00:00	4385	Projected
15/01/2011		
00:00:00	4360	Projected
15/01/2011		
01:00:00	4334	Projected
15/01/2011		
02:00:00	4308	Projected
15/01/2011		
03:00:00	4282	Projected
15/01/2011		
04:00:00	4256	Projected
15/01/2011		
05:00:00	4229	Projected
15/01/2011		
06:00:00	4202	Projected
15/01/2011		
07:00:00	4175	Projected
15/01/2011		
08:00:00	4148	Projected
15/01/2011		
09:00:00	4120	Projected
15/01/2011		
10:00:00	4093	Projected
15/01/2011		
11:00:00	4064	Projected
15/01/2011		
12:00:00	4036	Projected
15/01/2011		
13:00:00	4008	Projected
15/01/2011		
14:00:00	3979	Projected
15/01/2011		
15:00:00	3950	Projected
15/01/2011		
16:00:00	3921	Projected
15/01/2011		
17:00:00	3892	Projected
15/01/2011		
18:00:00	3862	Projected
15/01/2011		
19:00:00	3832	Projected

15/01/2011	
20:00:00	3802 Projected
15/01/2011	
21:00:00	3772 Projected
15/01/2011	
22:00:00	3741 Projected
15/01/2011	
23:00:00	3710 Projected
16/01/2011	
00:00:00	3679 Projected
16/01/2011	
01:00:00	3640 Projected
16/01/2011	
02:00:00	3593 Projected
16/01/2011	
03:00:00	3533 Projected
16/01/2011	
04:00:00	3468 Projected
16/01/2011	
05:00:00	3404 Projected
16/01/2011	
06:00:00	3341 Projected
16/01/2011	
07:00:00	3279 Projected
16/01/2011	
08:00:00	3219 Projected
16/01/2011	
09:00:00	3160 Projected
16/01/2011	
10:00:00	3101 Projected
16/01/2011	
11:00:00	3044 Projected
16/01/2011	
12:00:00	2988 Projected
16/01/2011	
13:00:00	2933 Projected
16/01/2011	
14:00:00	2879 Projected
16/01/2011	
15:00:00	2827 Projected
16/01/2011	
16:00:00	2775 Projected
16/01/2011	
17:00:00	2724 Projected
16/01/2011	
18:00:00	2674 Projected
16/01/2011	
19:00:00	2625 Projected
16/01/2011	
20:00:00	2577 Projected
16/01/2011	
21:00:00	2530 Projected
16/01/2011	
22:00:00	2484 Projected
16/01/2011	
23:00:00	1101 Projected

17/01/2011 00:00:00	1098	Projected
17/01/2011 01:00:00	1055	Projected
17/01/2011 02:00:00	1012	Projected
17/01/2011 03:00:00	977	Projected
17/01/2011 04:00:00	936	Projected
17/01/2011 05:00:00	935	Projected
17/01/2011 06:00:00	894	Projected
17/01/2011 07:00:00	851	Projected
17/01/2011 08:00:00	809	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases (Updated)

From:

To:

Date: Wed, 12 Jan 2011 03:48:18 +1000

Wivenhoe Dam Actual and Projected Releases

12/01/2011

Source: Seqwater FOC

3:43

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual

03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual

05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual

07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	65	Actual
07/01/2011 16:00:00	117	Actual
07/01/2011 17:00:00	169	Actual
07/01/2011 18:00:00	220	Actual
07/01/2011 19:00:00	270	Actual
07/01/2011 20:00:00	320	Actual
07/01/2011 21:00:00	368	Actual
07/01/2011 22:00:00	421	Actual
07/01/2011 23:00:00	475	Actual
08/01/2011 00:00:00	529	Actual
08/01/2011 01:00:00	582	Actual
08/01/2011 02:00:00	636	Actual
08/01/2011 03:00:00	690	Actual
08/01/2011 04:00:00	744	Actual
08/01/2011 05:00:00	798	Actual
08/01/2011 06:00:00	852	Actual
08/01/2011 07:00:00	907	Actual
08/01/2011 08:00:00	956	Actual
08/01/2011 09:00:00	1009	Actual
08/01/2011 10:00:00	1062	Actual
08/01/2011 11:00:00	1116	Actual
08/01/2011 12:00:00	1170	Actual
08/01/2011 13:00:00	1222	Actual
08/01/2011 14:00:00	1274	Actual
08/01/2011 15:00:00	1275	Actual
08/01/2011 16:00:00	1276	Actual
08/01/2011 17:00:00	1276	Actual
08/01/2011 18:00:00	1276	Actual
08/01/2011 19:00:00	1276	Actual
08/01/2011 20:00:00	1277	Actual
08/01/2011 21:00:00	1277	Actual
08/01/2011 22:00:00	1276	Actual
08/01/2011 23:00:00	1276	Actual

09/01/2011 00:00:00	1276	Actual
09/01/2011 01:00:00	1276	Actual
09/01/2011 02:00:00	1322	Actual
09/01/2011 03:00:00	1322	Actual
09/01/2011 04:00:00	1321	Actual
09/01/2011 05:00:00	1373	Actual
09/01/2011 06:00:00	1373	Actual
09/01/2011 07:00:00	1372	Actual
09/01/2011 08:00:00	1371	Actual
09/01/2011 09:00:00	1371	Actual
09/01/2011 10:00:00	1370	Actual
09/01/2011 11:00:00	1371	Actual
09/01/2011 12:00:00	1424	Actual
09/01/2011 13:00:00	1424	Actual
09/01/2011 14:00:00	1425	Actual
09/01/2011 15:00:00	1427	Actual
09/01/2011 16:00:00	1430	Actual
09/01/2011 17:00:00	1433	Actual
09/01/2011 18:00:00	1437	Actual
09/01/2011 19:00:00	1442	Actual
09/01/2011 20:00:00	1447	Actual
09/01/2011 21:00:00	1454	Actual
09/01/2011 22:00:00	1461	Actual
09/01/2011 23:00:00	1470	Actual
10/01/2011 00:00:00	1480	Actual
10/01/2011 01:00:00	1491	Actual
10/01/2011 02:00:00	1558	Actual
10/01/2011 03:00:00	1625	Actual
10/01/2011 04:00:00	1693	Actual
10/01/2011 05:00:00	1763	Actual
10/01/2011 06:00:00	1832	Actual
10/01/2011 07:00:00	1901	Actual
10/01/2011 08:00:00	1971	Actual
10/01/2011 09:00:00	2042	Actual
10/01/2011 10:00:00	2055	Actual
10/01/2011 11:00:00	2067	Actual
10/01/2011 12:00:00	2079	Actual
10/01/2011 13:00:00	2092	Actual
10/01/2011 14:00:00	2102	Actual
10/01/2011 15:00:00	2112	Actual
10/01/2011 16:00:00	2178	Actual
10/01/2011 17:00:00	2299	Actual
10/01/2011 18:00:00	2424	Actual

10/01/2011 19:00:00	2545	Actual
10/01/2011 20:00:00	2725	Actual
10/01/2011 21:00:00	2732	Actual
10/01/2011 22:00:00	2739	Actual
10/01/2011 23:00:00	2745	Actual
11/01/2011 00:00:00	2751	Actual
11/01/2011 01:00:00	2757	Actual
11/01/2011 02:00:00	2762	Actual
11/01/2011 03:00:00	2766	Actual
11/01/2011 04:00:00	2770	Actual
11/01/2011 05:00:00	2775	Actual
11/01/2011 06:00:00	2781	Actual
11/01/2011 07:00:00	2786	Actual
11/01/2011 08:00:00	2792	Actual
11/01/2011 09:00:00	3017	Actual
11/01/2011 10:00:00	3369	Actual
11/01/2011 11:00:00	3548	Actual
11/01/2011 12:00:00	3671	Actual
11/01/2011 13:00:00	4250	Actual
11/01/2011 14:00:00	4547	Actual
11/01/2011 15:00:00	5140	Actual
11/01/2011 16:00:00	5751	Actual
11/01/2011 17:00:00	6388	Actual
11/01/2011 18:00:00	6723	Actual
11/01/2011 19:00:00	7411	Actual
11/01/2011 20:00:00	7414	Actual
11/01/2011 21:00:00	7416	Actual
11/01/2011 22:00:00	7071	Actual
11/01/2011 23:00:00	7071	Actual
12/01/2011 00:00:00	6091	Actual
12/01/2011 01:00:00	6093	Actual
12/01/2011 02:00:00	5479	Actual
12/01/2011 03:00:00	5481	Actual
12/01/2011 04:00:00	4888	Projected
12/01/2011 05:00:00	4889	Projected
12/01/2011 06:00:00	4309	Projected
12/01/2011 07:00:00	4310	Projected
12/01/2011 08:00:00	3733	Projected
12/01/2011 09:00:00	3734	Projected
12/01/2011 10:00:00	3151	Projected
12/01/2011 11:00:00	3152	Projected
12/01/2011 12:00:00	2553	Projected
12/01/2011 13:00:00	2555	Projected

12/01/2011 14:00:00	2556	Projected
12/01/2011 15:00:00	2557	Projected
12/01/2011 16:00:00	2558	Projected
12/01/2011 17:00:00	2558	Projected
12/01/2011 18:00:00	2559	Projected
12/01/2011 19:00:00	2559	Projected
12/01/2011 20:00:00	2559	Projected
12/01/2011 21:00:00	2559	Projected
12/01/2011 22:00:00	2559	Projected
12/01/2011 23:00:00	2558	Projected
13/01/2011 00:00:00	2558	Projected
13/01/2011 01:00:00	2557	Projected
13/01/2011 02:00:00	2556	Projected
13/01/2011 03:00:00	2555	Projected
13/01/2011 04:00:00	2615	Projected
13/01/2011 05:00:00	2613	Projected
13/01/2011 06:00:00	2672	Projected
13/01/2011 07:00:00	2670	Projected
13/01/2011 08:00:00	2730	Projected
13/01/2011 09:00:00	2728	Projected
13/01/2011 10:00:00	2786	Projected
13/01/2011 11:00:00	2784	Projected
13/01/2011 12:00:00	2842	Projected
13/01/2011 13:00:00	2839	Projected
13/01/2011 14:00:00	2896	Projected
13/01/2011 15:00:00	2893	Projected
13/01/2011 16:00:00	3007	Projected
13/01/2011 17:00:00	3004	Projected
13/01/2011 18:00:00	3117	Projected
13/01/2011 19:00:00	3113	Projected
13/01/2011 20:00:00	3167	Projected
13/01/2011 21:00:00	3162	Projected
13/01/2011 22:00:00	3273	Projected
13/01/2011 23:00:00	3268	Projected
14/01/2011 00:00:00	3377	Projected
14/01/2011 01:00:00	3372	Projected
14/01/2011 02:00:00	3424	Projected
14/01/2011 03:00:00	3419	Projected
14/01/2011 04:00:00	3528	Projected
14/01/2011 05:00:00	3524	Projected
14/01/2011 06:00:00	3631	Projected
14/01/2011 07:00:00	3626	Projected
14/01/2011 08:00:00	3621	Projected

14/01/2011 09:00:00	3615	Projected
14/01/2011 10:00:00	3609	Projected
14/01/2011 11:00:00	3604	Projected
14/01/2011 12:00:00	3598	Projected
14/01/2011 13:00:00	3592	Projected
14/01/2011 14:00:00	3586	Projected
14/01/2011 15:00:00	3580	Projected
14/01/2011 16:00:00	3573	Projected
14/01/2011 17:00:00	3567	Projected
14/01/2011 18:00:00	3561	Projected
14/01/2011 19:00:00	3554	Projected
14/01/2011 20:00:00	3548	Projected
14/01/2011 21:00:00	3541	Projected
14/01/2011 22:00:00	3534	Projected
14/01/2011 23:00:00	3527	Projected
15/01/2011 00:00:00	3521	Projected
15/01/2011 01:00:00	3514	Projected
15/01/2011 02:00:00	3507	Projected
15/01/2011 03:00:00	3499	Projected
15/01/2011 04:00:00	3492	Projected
15/01/2011 05:00:00	3485	Projected
15/01/2011 06:00:00	3478	Projected
15/01/2011 07:00:00	3470	Projected
15/01/2011 08:00:00	3463	Projected
15/01/2011 09:00:00	3455	Projected
15/01/2011 10:00:00	3448	Projected
15/01/2011 11:00:00	3440	Projected
15/01/2011 12:00:00	3432	Projected
15/01/2011 13:00:00	3425	Projected
15/01/2011 14:00:00	3417	Projected
15/01/2011 15:00:00	3409	Projected
15/01/2011 16:00:00	3401	Projected
15/01/2011 17:00:00	3393	Projected
15/01/2011 18:00:00	3385	Projected
15/01/2011 19:00:00	3377	Projected
15/01/2011 20:00:00	3369	Projected
15/01/2011 21:00:00	3360	Projected
15/01/2011 22:00:00	3352	Projected
15/01/2011 23:00:00	3344	Projected
16/01/2011 00:00:00	3336	Projected
16/01/2011 01:00:00	3327	Projected
16/01/2011 02:00:00	3319	Projected
16/01/2011 03:00:00	3310	Projected

16/01/2011 04:00:00	3302	Projected
16/01/2011 05:00:00	3293	Projected
16/01/2011 06:00:00	3285	Projected
16/01/2011 07:00:00	3276	Projected
16/01/2011 08:00:00	3268	Projected
16/01/2011 09:00:00	3259	Projected
16/01/2011 10:00:00	3250	Projected
16/01/2011 11:00:00	3242	Projected
16/01/2011 12:00:00	3233	Projected
16/01/2011 13:00:00	3224	Projected
16/01/2011 14:00:00	3215	Projected
16/01/2011 15:00:00	3207	Projected
16/01/2011 16:00:00	3198	Projected
16/01/2011 17:00:00	3189	Projected
16/01/2011 18:00:00	3180	Projected
16/01/2011 19:00:00	3171	Projected
16/01/2011 20:00:00	3162	Projected
16/01/2011 21:00:00	3153	Projected
16/01/2011 22:00:00	3144	Projected
16/01/2011 23:00:00	3135	Projected
17/01/2011 00:00:00	3125	Projected
17/01/2011 01:00:00	3115	Projected
17/01/2011 02:00:00	3105	Projected
17/01/2011 03:00:00	3094	Projected
17/01/2011 04:00:00	3084	Projected
17/01/2011 05:00:00	3073	Projected
17/01/2011 06:00:00	3061	Projected
17/01/2011 07:00:00	3049	Projected
17/01/2011 08:00:00	3037	Projected

Duty Engineer

Flood Operations Centre

Phone:



Fax:

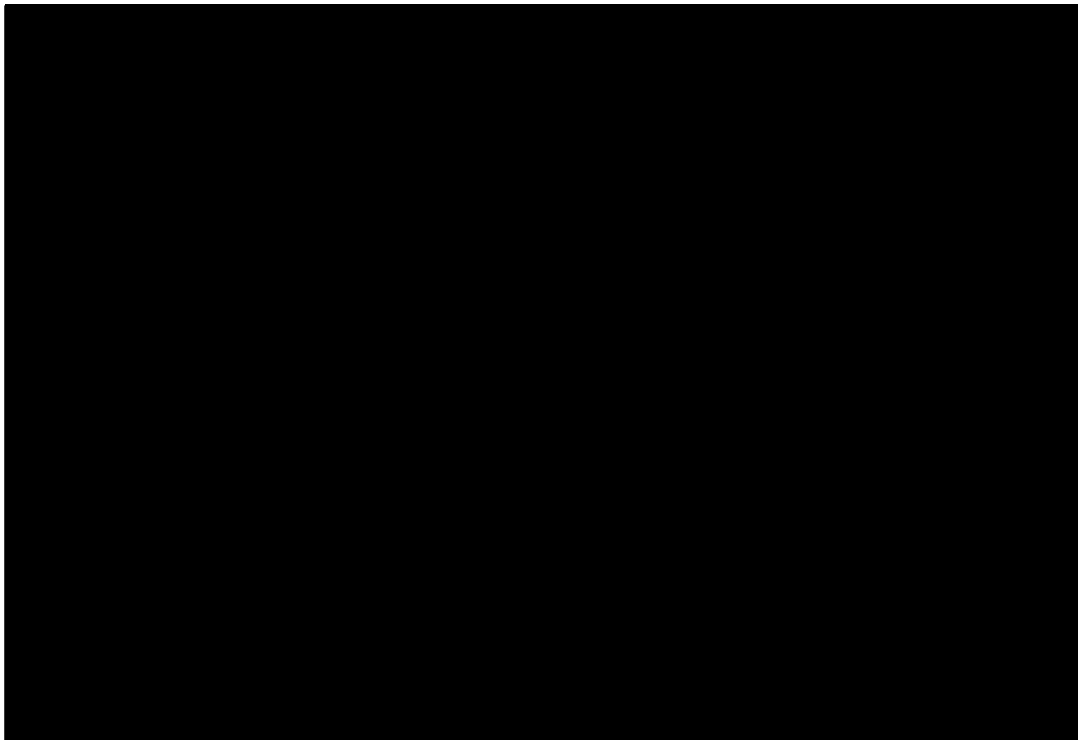
Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 0600 Wed 12/01/2011

From:

To:



Date: Wed, 12 Jan 2011 05:49:22 +1000

No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours.

Wivenhoe Dam peaked on the 11th January, Tuesday night at 19:00 at 74.97 mAHD with a corresponding discharge of 7,450 m³/s. The release have now been scaled back to 4,300m³/s at 05:00 am. Wivenhoe Dam is currently 74.77 m AHD and falling slowly.

The releases from Wivenhoe Dam will be temporarily reduced to 2,500 m³/s to allow the peak of Lockyer Creek to enter the Brisbane River, after which they will be increased to maximum of 3,500 m³/s. This release will then be maintained to drain the flood storage component within the required 7 days.

Somerset Dam is at 105.10 mAHD and slowly rising. The dam is discharging 1,230 m³/s over the spillway. The dam is expected to peak this morning near its current level. Sluice gates will be utilised to assist the draining of the flood storage compartment commencing on Thursday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.

North Pine Dam is currently releasing 105 m³/s through five gates. At 17:00 the lake was 39.78 mAHD. The event has a volume of around 200,000 ML. The peak discharge from the dam was 2,800 m³/s. This is categorised as an extreme event in the order of 1 in 10,000.

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is also maintaining close contact with warning agencies and local councils.

The next report will be issued at 08:00 12 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the

sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED], Flood Information Centre
 [REDACTED], James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlenn [REDACTED], Santina Pennisi

Date: Wed, 12 Jan 2011 05:53:45 +1000

Wivenhoe Dam Actual and Projected Releases 12/01/2011

Source: Seqwater FOC 5:51

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
02/01/2011 17:00:00	50	Actual
02/01/2011 18:00:00	50	Actual
02/01/2011 19:00:00	50	Actual
02/01/2011 20:00:00	50	Actual
02/01/2011 21:00:00	50	Actual
02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
03/01/2011 05:00:00	50	Actual
03/01/2011 06:00:00	50	Actual
03/01/2011 07:00:00	50	Actual
03/01/2011 08:00:00	50	Actual
03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual

03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
03/01/2011 20:00:00	50	Actual
03/01/2011 21:00:00	50	Actual
03/01/2011 22:00:00	50	Actual
03/01/2011 23:00:00	50	Actual
04/01/2011 00:00:00	50	Actual
04/01/2011 01:00:00	50	Actual
04/01/2011 02:00:00	50	Actual
04/01/2011 03:00:00	50	Actual
04/01/2011 04:00:00	50	Actual
04/01/2011 05:00:00	50	Actual
04/01/2011 06:00:00	50	Actual
04/01/2011 07:00:00	50	Actual
04/01/2011 08:00:00	50	Actual
04/01/2011 09:00:00	50	Actual
04/01/2011 10:00:00	50	Actual
04/01/2011 11:00:00	50	Actual
04/01/2011 12:00:00	50	Actual
04/01/2011 13:00:00	50	Actual
04/01/2011 14:00:00	50	Actual
04/01/2011 15:00:00	50	Actual
04/01/2011 16:00:00	50	Actual
04/01/2011 17:00:00	50	Actual
04/01/2011 18:00:00	50	Actual
04/01/2011 19:00:00	50	Actual
04/01/2011 20:00:00	50	Actual
04/01/2011 21:00:00	50	Actual
04/01/2011 22:00:00	50	Actual
04/01/2011 23:00:00	50	Actual
05/01/2011 00:00:00	50	Actual
05/01/2011 01:00:00	50	Actual
05/01/2011 02:00:00	50	Actual
05/01/2011 03:00:00	50	Actual
05/01/2011 04:00:00	50	Actual
05/01/2011 05:00:00	50	Actual
05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual

05/01/2011 09:00:00	50	Actual
05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
05/01/2011 15:00:00	50	Actual
05/01/2011 16:00:00	50	Actual
05/01/2011 17:00:00	50	Actual
05/01/2011 18:00:00	50	Actual
05/01/2011 19:00:00	50	Actual
05/01/2011 20:00:00	50	Actual
05/01/2011 21:00:00	50	Actual
05/01/2011 22:00:00	50	Actual
05/01/2011 23:00:00	50	Actual
06/01/2011 00:00:00	50	Actual
06/01/2011 01:00:00	50	Actual
06/01/2011 02:00:00	50	Actual
06/01/2011 03:00:00	50	Actual
06/01/2011 04:00:00	50	Actual
06/01/2011 05:00:00	50	Actual
06/01/2011 06:00:00	50	Actual
06/01/2011 07:00:00	50	Actual
06/01/2011 08:00:00	50	Actual
06/01/2011 09:00:00	50	Actual
06/01/2011 10:00:00	50	Actual
06/01/2011 11:00:00	50	Actual
06/01/2011 12:00:00	50	Actual
06/01/2011 13:00:00	50	Actual
06/01/2011 14:00:00	50	Actual
06/01/2011 15:00:00	50	Actual
06/01/2011 16:00:00	50	Actual
06/01/2011 17:00:00	50	Actual
06/01/2011 18:00:00	50	Actual
06/01/2011 19:00:00	50	Actual
06/01/2011 20:00:00	50	Actual
06/01/2011 21:00:00	50	Actual
06/01/2011 22:00:00	50	Actual
06/01/2011 23:00:00	50	Actual
07/01/2011 00:00:00	50	Actual
07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual

07/01/2011 04:00:00	50	Actual
07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
07/01/2011 10:00:00	50	Actual
07/01/2011 11:00:00	50	Actual
07/01/2011 12:00:00	50	Actual
07/01/2011 13:00:00	50	Actual
07/01/2011 14:00:00	50	Actual
07/01/2011 15:00:00	65	Actual
07/01/2011 16:00:00	117	Actual
07/01/2011 17:00:00	169	Actual
07/01/2011 18:00:00	220	Actual
07/01/2011 19:00:00	270	Actual
07/01/2011 20:00:00	320	Actual
07/01/2011 21:00:00	368	Actual
07/01/2011 22:00:00	421	Actual
07/01/2011 23:00:00	475	Actual
08/01/2011 00:00:00	529	Actual
08/01/2011 01:00:00	582	Actual
08/01/2011 02:00:00	636	Actual
08/01/2011 03:00:00	690	Actual
08/01/2011 04:00:00	744	Actual
08/01/2011 05:00:00	798	Actual
08/01/2011 06:00:00	852	Actual
08/01/2011 07:00:00	907	Actual
08/01/2011 08:00:00	956	Actual
08/01/2011 09:00:00	1009	Actual
08/01/2011 10:00:00	1062	Actual
08/01/2011 11:00:00	1116	Actual
08/01/2011 12:00:00	1170	Actual
08/01/2011 13:00:00	1222	Actual
08/01/2011 14:00:00	1274	Actual
08/01/2011 15:00:00	1275	Actual
08/01/2011 16:00:00	1276	Actual
08/01/2011 17:00:00	1276	Actual
08/01/2011 18:00:00	1276	Actual
08/01/2011 19:00:00	1276	Actual
08/01/2011 20:00:00	1277	Actual
08/01/2011 21:00:00	1277	Actual
08/01/2011 22:00:00	1276	Actual

08/01/2011 23:00:00	1276	Actual
09/01/2011 00:00:00	1276	Actual
09/01/2011 01:00:00	1276	Actual
09/01/2011 02:00:00	1322	Actual
09/01/2011 03:00:00	1322	Actual
09/01/2011 04:00:00	1321	Actual
09/01/2011 05:00:00	1373	Actual
09/01/2011 06:00:00	1373	Actual
09/01/2011 07:00:00	1372	Actual
09/01/2011 08:00:00	1371	Actual
09/01/2011 09:00:00	1371	Actual
09/01/2011 10:00:00	1370	Actual
09/01/2011 11:00:00	1371	Actual
09/01/2011 12:00:00	1424	Actual
09/01/2011 13:00:00	1424	Actual
09/01/2011 14:00:00	1425	Actual
09/01/2011 15:00:00	1427	Actual
09/01/2011 16:00:00	1430	Actual
09/01/2011 17:00:00	1433	Actual
09/01/2011 18:00:00	1437	Actual
09/01/2011 19:00:00	1442	Actual
09/01/2011 20:00:00	1447	Actual
09/01/2011 21:00:00	1454	Actual
09/01/2011 22:00:00	1461	Actual
09/01/2011 23:00:00	1470	Actual
10/01/2011 00:00:00	1480	Actual
10/01/2011 01:00:00	1491	Actual
10/01/2011 02:00:00	1558	Actual
10/01/2011 03:00:00	1625	Actual
10/01/2011 04:00:00	1693	Actual
10/01/2011 05:00:00	1763	Actual
10/01/2011 06:00:00	1832	Actual
10/01/2011 07:00:00	1901	Actual
10/01/2011 08:00:00	1971	Actual
10/01/2011 09:00:00	2042	Actual
10/01/2011 10:00:00	2055	Actual
10/01/2011 11:00:00	2067	Actual
10/01/2011 12:00:00	2079	Actual
10/01/2011 13:00:00	2092	Actual
10/01/2011 14:00:00	2102	Actual
10/01/2011 15:00:00	2112	Actual
10/01/2011 16:00:00	2178	Actual
10/01/2011 17:00:00	2299	Actual

10/01/2011 18:00:00	2424	Actual
10/01/2011 19:00:00	2545	Actual
10/01/2011 20:00:00	2725	Actual
10/01/2011 21:00:00	2732	Actual
10/01/2011 22:00:00	2739	Actual
10/01/2011 23:00:00	2745	Actual
11/01/2011 00:00:00	2751	Actual
11/01/2011 01:00:00	2757	Actual
11/01/2011 02:00:00	2762	Actual
11/01/2011 03:00:00	2766	Actual
11/01/2011 04:00:00	2770	Actual
11/01/2011 05:00:00	2775	Actual
11/01/2011 06:00:00	2781	Actual
11/01/2011 07:00:00	2786	Actual
11/01/2011 08:00:00	2792	Actual
11/01/2011 09:00:00	3017	Actual
11/01/2011 10:00:00	3369	Actual
11/01/2011 11:00:00	3548	Actual
11/01/2011 12:00:00	3671	Actual
11/01/2011 13:00:00	4250	Actual
11/01/2011 14:00:00	4547	Actual
11/01/2011 15:00:00	5140	Actual
11/01/2011 16:00:00	5751	Actual
11/01/2011 17:00:00	6388	Actual
11/01/2011 18:00:00	6723	Actual
11/01/2011 19:00:00	7411	Actual
11/01/2011 20:00:00	7414	Actual
11/01/2011 21:00:00	7416	Actual
11/01/2011 22:00:00	7071	Actual
11/01/2011 23:00:00	7071	Actual
12/01/2011 00:00:00	6091	Actual
12/01/2011 01:00:00	6093	Actual
12/01/2011 02:00:00	5479	Actual
12/01/2011 03:00:00	5481	Actual
12/01/2011 04:00:00	4888	Actual
12/01/2011 05:00:00	4309	Actual
12/01/2011 06:00:00	3733	Projected
12/01/2011 07:00:00	3735	Projected
12/01/2011 08:00:00	3153	Projected
12/01/2011 09:00:00	3155	Projected
12/01/2011 10:00:00	2556	Projected
12/01/2011 11:00:00	2558	Projected
12/01/2011 12:00:00	2560	Projected

12/01/2011 13:00:00	2562	Projected
12/01/2011 14:00:00	2563	Projected
12/01/2011 15:00:00	2564	Projected
12/01/2011 16:00:00	2565	Projected
12/01/2011 17:00:00	2565	Projected
12/01/2011 18:00:00	2566	Projected
12/01/2011 19:00:00	2566	Projected
12/01/2011 20:00:00	2566	Projected
12/01/2011 21:00:00	2566	Projected
12/01/2011 22:00:00	2566	Projected
12/01/2011 23:00:00	2565	Projected
13/01/2011 00:00:00	2565	Projected
13/01/2011 01:00:00	2564	Projected
13/01/2011 02:00:00	2563	Projected
13/01/2011 03:00:00	2562	Projected
13/01/2011 04:00:00	2621	Projected
13/01/2011 05:00:00	2620	Projected
13/01/2011 06:00:00	2679	Projected
13/01/2011 07:00:00	2677	Projected
13/01/2011 08:00:00	2737	Projected
13/01/2011 09:00:00	2735	Projected
13/01/2011 10:00:00	2794	Projected
13/01/2011 11:00:00	2792	Projected
13/01/2011 12:00:00	2849	Projected
13/01/2011 13:00:00	2847	Projected
13/01/2011 14:00:00	2904	Projected
13/01/2011 15:00:00	2901	Projected
13/01/2011 16:00:00	3016	Projected
13/01/2011 17:00:00	3012	Projected
13/01/2011 18:00:00	3126	Projected
13/01/2011 19:00:00	3122	Projected
13/01/2011 20:00:00	3176	Projected
13/01/2011 21:00:00	3171	Projected
13/01/2011 22:00:00	3282	Projected
13/01/2011 23:00:00	3277	Projected
14/01/2011 00:00:00	3387	Projected
14/01/2011 01:00:00	3382	Projected
14/01/2011 02:00:00	3434	Projected
14/01/2011 03:00:00	3429	Projected
14/01/2011 04:00:00	3538	Projected
14/01/2011 05:00:00	3534	Projected
14/01/2011 06:00:00	3642	Projected
14/01/2011 07:00:00	3637	Projected

14/01/2011 08:00:00	3631	Projected
14/01/2011 09:00:00	3626	Projected
14/01/2011 10:00:00	3620	Projected
14/01/2011 11:00:00	3614	Projected
14/01/2011 12:00:00	3609	Projected
14/01/2011 13:00:00	3603	Projected
14/01/2011 14:00:00	3597	Projected
14/01/2011 15:00:00	3590	Projected
14/01/2011 16:00:00	3584	Projected
14/01/2011 17:00:00	3578	Projected
14/01/2011 18:00:00	3571	Projected
14/01/2011 19:00:00	3565	Projected
14/01/2011 20:00:00	3558	Projected
14/01/2011 21:00:00	3552	Projected
14/01/2011 22:00:00	3545	Projected
14/01/2011 23:00:00	3538	Projected
15/01/2011 00:00:00	3531	Projected
15/01/2011 01:00:00	3524	Projected
15/01/2011 02:00:00	3517	Projected
15/01/2011 03:00:00	3510	Projected
15/01/2011 04:00:00	3503	Projected
15/01/2011 05:00:00	3496	Projected
15/01/2011 06:00:00	3489	Projected
15/01/2011 07:00:00	3481	Projected
15/01/2011 08:00:00	3474	Projected
15/01/2011 09:00:00	3466	Projected
15/01/2011 10:00:00	3459	Projected
15/01/2011 11:00:00	3451	Projected
15/01/2011 12:00:00	3443	Projected
15/01/2011 13:00:00	3436	Projected
15/01/2011 14:00:00	3428	Projected
15/01/2011 15:00:00	3420	Projected
15/01/2011 16:00:00	3412	Projected
15/01/2011 17:00:00	3404	Projected
15/01/2011 18:00:00	3396	Projected
15/01/2011 19:00:00	3388	Projected
15/01/2011 20:00:00	3380	Projected
15/01/2011 21:00:00	3372	Projected
15/01/2011 22:00:00	3363	Projected
15/01/2011 23:00:00	3355	Projected
16/01/2011 00:00:00	3347	Projected
16/01/2011 01:00:00	3339	Projected
16/01/2011 02:00:00	3330	Projected

16/01/2011 03:00:00	3322	Projected
16/01/2011 04:00:00	3313	Projected
16/01/2011 05:00:00	3305	Projected
16/01/2011 06:00:00	3296	Projected
16/01/2011 07:00:00	3288	Projected
16/01/2011 08:00:00	3279	Projected
16/01/2011 09:00:00	3271	Projected
16/01/2011 10:00:00	3262	Projected
16/01/2011 11:00:00	3253	Projected
16/01/2011 12:00:00	3245	Projected
16/01/2011 13:00:00	3236	Projected
16/01/2011 14:00:00	3227	Projected
16/01/2011 15:00:00	3218	Projected
16/01/2011 16:00:00	3210	Projected
16/01/2011 17:00:00	3201	Projected
16/01/2011 18:00:00	3192	Projected
16/01/2011 19:00:00	3183	Projected
16/01/2011 20:00:00	3174	Projected
16/01/2011 21:00:00	3165	Projected
16/01/2011 22:00:00	3156	Projected
16/01/2011 23:00:00	3147	Projected
17/01/2011 00:00:00	3137	Projected
17/01/2011 01:00:00	3127	Projected
17/01/2011 02:00:00	3117	Projected
17/01/2011 03:00:00	3107	Projected
17/01/2011 04:00:00	3096	Projected
17/01/2011 05:00:00	3085	Projected
17/01/2011 06:00:00	3073	Projected
17/01/2011 07:00:00	3061	Projected
17/01/2011 08:00:00	3050	Projected

Duty Engineer

Flood Operations Centre

Phone:



Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

RE: Situation Report 0800 Wed 12/01/2011**From:** [REDACTED]**To:** [REDACTED]**Date:** Wed, 12 Jan 2011 07:57:26 +1000**Rainfall**

No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours.

Somerset/Wivenhoe

Somerset Dam has peaked at 105.11 mAHD at 06:00 on 12 January 2011 and the dam is discharging 1,230 m³/s over the spillway. Sluice gates will be utilised to assist the draining of the flood storage compartment commencing later Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m³/s. Wivenhoe Dam was 74.75 m AHD at 07:30 and generally falling slowly.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m³/s at 07:30 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m³/s. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.

North Pine

At 07:00 North Pine Dam was 39.78 mAHD falling and releasing about 105 m³/s. North Pine has peaked at 41.11 mAHD at 14:00 on 11 January 1974 with peak release of 2,800 m³/s. The event has a volume of around 200,000 ML. It is expected that gates will be close later Wednesday or early Thursday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is maintaining close contact with warning agencies and local councils.

The next report will be issued at 12:00 12 January 2011.

Regards

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Image of flooded areas

From: Duty Engineer [REDACTED]
To: Don Carroll [REDACTED]
Date: Wed, 12 Jan 2011 08:25:45 +1000

Don

Just saw an image on TV acknowledged as provided by BCC which shows areas inundated between lower reaches of Lockyer and Brisbane mouth. Can you pls provide?

Thanks

Terry

Duty Engineer

Flood Operations Centre

Phone: [REDACTED]

Fax: [REDACTED]

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

12,000m3/s Flood Innundation Map

From: [REDACTED]

To: [REDACTED]

Date: Wed, 12 Jan 2011 09:02:33 +1000

[REDACTED]

+==*

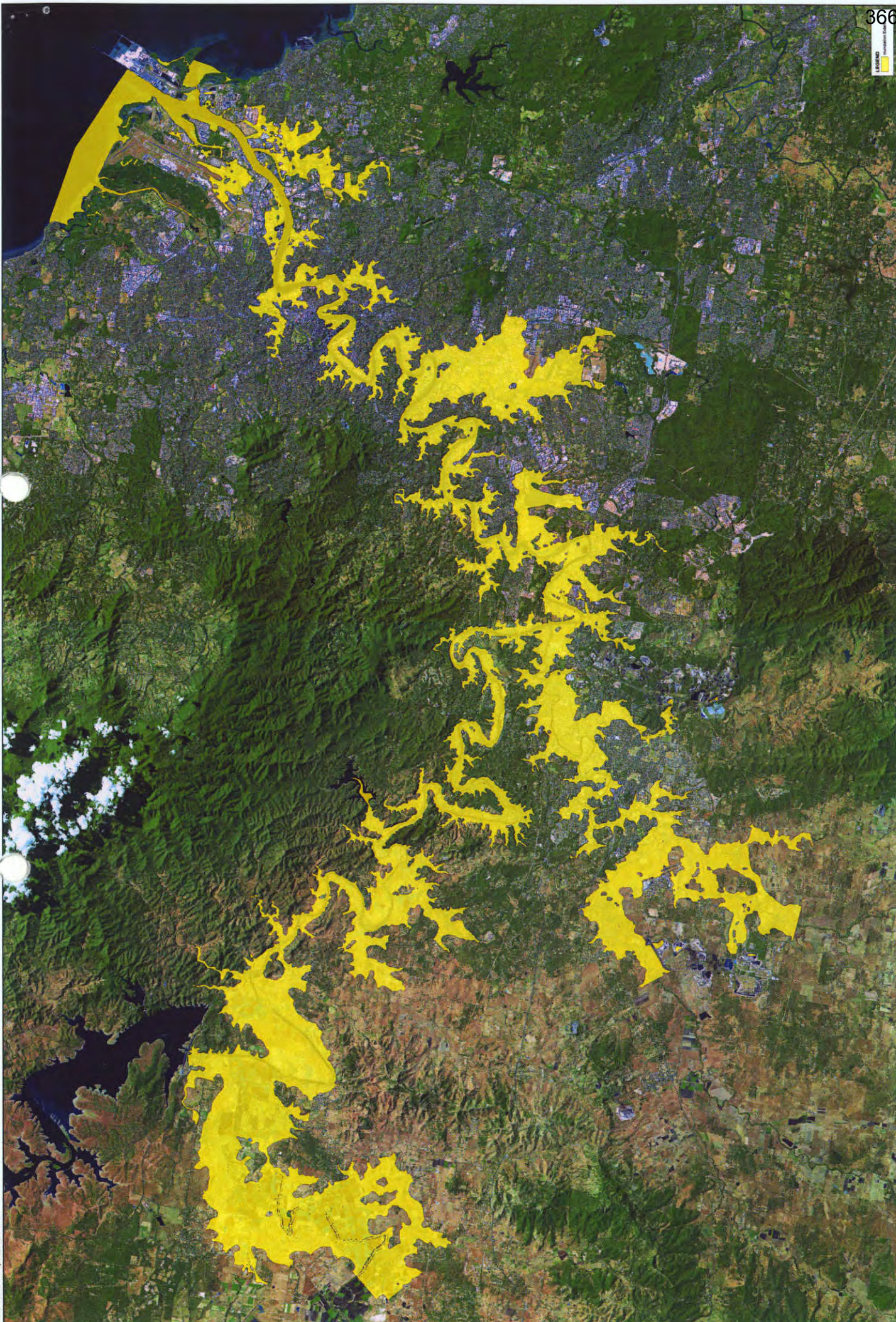
Place: Flood_Information_Centre

+==*

As requested.

By Don Carrol

Flood Information Centre
Level 1 - South Tower Green Square
505 St Paul's Terrace
FORTITUDE VALLEY QLD 4006
Telephone: [REDACTED]
Facsimile: [REDACTED]
Email: [REDACTED]



Situation Report 1500 Wed 12/01/2011

From: [REDACTED]

To: [REDACTED]

Cc: [REDACTED]

Date: Wed, 12 Jan 2011 15:17:30 +1000

Rainfall

Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm falls in the Stanley and North Pine catchments. There is no significant rain expected in the next 4 days.

Somerset/Wivenhoe

Somerset Dam has peaked at 105.11 mAHD at 06:00 on 12 January 2011. One sluice was opened at 1030 12 January 2011 and the dam is discharging 1,440 m³/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m³/s. Wivenhoe Dam was 74.81 m AHD at 15:00 and steady.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m³/s at 07:30 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m³/s. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.

North Pine

At 15:00 North Pine Dam was 39.74 mAHD falling with all gates open 1 increment, releasing about 80 m³/s. North Pine peaked at 41.11 mAHD at 14:00 on 11 January 1974 with peak release of 2,800 m³/s. The event has a volume of around 200,000 ML. It is expected that gates will be closed on Thursday or Thursday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Brisbane and Pine catchments and reviewing operating strategy every 30 minutes. The FOC is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 12 January 2011.

Regards

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Dam Projected Releases - 1800 at Wednesday 12 January 2011

From: Duty Engineer <[REDACTED]>
 To: [REDACTED] Chris Lavin [REDACTED], Craig Logan
 [REDACTED] Don Carroll [REDACTED], Evan
 Caswell [REDACTED], Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED], Santina Pennisi
 [REDACTED]

Date: Wed, 12 Jan 2011 18:07:24 +1000

This is subject to forecast rainfall over the next week. Please advise if there are any issues you wish us to consider?

Wivenhoe Dam Actual and Projected Releases

12/01/2011

Source: Seqwater FOC

18:04

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
	50	Actual

23:00:00		
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual
03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual

04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual
04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual

05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual
05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual

06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual
06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual

07/01/2011		
15:00:00	65	Actual
07/01/2011		
16:00:00	117	Actual
07/01/2011		
17:00:00	169	Actual
07/01/2011		
18:00:00	220	Actual
07/01/2011		
19:00:00	270	Actual
07/01/2011		
20:00:00	320	Actual
07/01/2011		
21:00:00	368	Actual
07/01/2011		
22:00:00	421	Actual
07/01/2011		
23:00:00	475	Actual
08/01/2011		
00:00:00	529	Actual
08/01/2011		
01:00:00	582	Actual
08/01/2011		
02:00:00	636	Actual
08/01/2011		
03:00:00	690	Actual
08/01/2011		
04:00:00	744	Actual
08/01/2011		
05:00:00	798	Actual
08/01/2011		
06:00:00	852	Actual
08/01/2011		
07:00:00	907	Actual
08/01/2011		
08:00:00	956	Actual
08/01/2011		
09:00:00	1009	Actual
08/01/2011		
10:00:00	1062	Actual
08/01/2011		
11:00:00	1116	Actual
08/01/2011		
12:00:00	1170	Actual
08/01/2011		
13:00:00	1222	Actual
08/01/2011		
14:00:00	1274	Actual
08/01/2011		
15:00:00	1275	Actual
08/01/2011		
16:00:00	1276	Actual
08/01/2011		
17:00:00	1276	Actual
08/01/2011		
18:00:00	1276	Actual

08/01/2011	
19:00:00	1276 Actual
08/01/2011	
20:00:00	1277 Actual
08/01/2011	
21:00:00	1277 Actual
08/01/2011	
22:00:00	1276 Actual
08/01/2011	
23:00:00	1276 Actual
09/01/2011	
00:00:00	1276 Actual
09/01/2011	
01:00:00	1276 Actual
09/01/2011	
02:00:00	1322 Actual
09/01/2011	
03:00:00	1322 Actual
09/01/2011	
04:00:00	1321 Actual
09/01/2011	
05:00:00	1373 Actual
09/01/2011	
06:00:00	1373 Actual
09/01/2011	
07:00:00	1372 Actual
09/01/2011	
08:00:00	1371 Actual
09/01/2011	
09:00:00	1371 Actual
09/01/2011	
10:00:00	1370 Actual
09/01/2011	
11:00:00	1371 Actual
09/01/2011	
12:00:00	1424 Actual
09/01/2011	
13:00:00	1424 Actual
09/01/2011	
14:00:00	1425 Actual
09/01/2011	
15:00:00	1427 Actual
09/01/2011	
16:00:00	1430 Actual
09/01/2011	
17:00:00	1433 Actual
09/01/2011	
18:00:00	1437 Actual
09/01/2011	
19:00:00	1442 Actual
09/01/2011	
20:00:00	1447 Actual
09/01/2011	
21:00:00	1454 Actual
09/01/2011	
22:00:00	1461 Actual

09/01/2011		
23:00:00	1470	Actual
10/01/2011		
00:00:00	1480	Actual
10/01/2011		
01:00:00	1491	Actual
10/01/2011		
02:00:00	1558	Actual
10/01/2011		
03:00:00	1625	Actual
10/01/2011		
04:00:00	1693	Actual
10/01/2011		
05:00:00	1763	Actual
10/01/2011		
06:00:00	1832	Actual
10/01/2011		
07:00:00	1901	Actual
10/01/2011		
08:00:00	1971	Actual
10/01/2011		
09:00:00	2042	Actual
10/01/2011		
10:00:00	2055	Actual
10/01/2011		
11:00:00	2067	Actual
10/01/2011		
12:00:00	2079	Actual
10/01/2011		
13:00:00	2092	Actual
10/01/2011		
14:00:00	2102	Actual
10/01/2011		
15:00:00	2112	Actual
10/01/2011		
16:00:00	2178	Actual
10/01/2011		
17:00:00	2299	Actual
10/01/2011		
18:00:00	2424	Actual
10/01/2011		
19:00:00	2545	Actual
10/01/2011		
20:00:00	2725	Actual
10/01/2011		
21:00:00	2732	Actual
10/01/2011		
22:00:00	2739	Actual
10/01/2011		
23:00:00	2745	Actual
11/01/2011		
00:00:00	2751	Actual
11/01/2011		
01:00:00	2757	Actual
11/01/2011		
02:00:00	2762	Actual

11/01/2011		
03:00:00	2766	Actual
11/01/2011		
04:00:00	2770	Actual
11/01/2011		
05:00:00	2775	Actual
11/01/2011		
06:00:00	2781	Actual
11/01/2011		
07:00:00	2786	Actual
11/01/2011		
08:00:00	2792	Actual
11/01/2011		
09:00:00	3017	Actual
11/01/2011		
10:00:00	3369	Actual
11/01/2011		
11:00:00	3548	Actual
11/01/2011		
12:00:00	3671	Actual
11/01/2011		
13:00:00	4250	Actual
11/01/2011		
14:00:00	4547	Actual
11/01/2011		
15:00:00	5140	Actual
11/01/2011		
16:00:00	5751	Actual
11/01/2011		
17:00:00	6388	Actual
11/01/2011		
18:00:00	6723	Actual
11/01/2011		
19:00:00	7411	Actual
11/01/2011		
20:00:00	7414	Actual
11/01/2011		
21:00:00	7416	Actual
11/01/2011		
22:00:00	7071	Actual
11/01/2011		
23:00:00	7071	Actual
12/01/2011		
00:00:00	6091	Actual
12/01/2011		
01:00:00	6093	Actual
12/01/2011		
02:00:00	5479	Actual
12/01/2011		
03:00:00	5481	Actual
12/01/2011		
04:00:00	4888	Actual
12/01/2011		
05:00:00	4309	Actual
12/01/2011		
06:00:00	3733	Actual

12/01/2011		
07:00:00	3151	Actual
12/01/2011		
08:00:00	2554	Actual
12/01/2011		
09:00:00	2556	Actual
12/01/2011		
10:00:00	2559	Actual
12/01/2011		
11:00:00	2561	Actual
12/01/2011		
12:00:00	2563	Actual
12/01/2011		
13:00:00	2565	Actual
12/01/2011		
14:00:00	2567	Actual
12/01/2011		
15:00:00	2568	Actual
12/01/2011		
16:00:00	2570	Actual
12/01/2011		
17:00:00	2571	Actual
12/01/2011		
18:00:00	2571	Actual
12/01/2011		
19:00:00	2572	Projected
12/01/2011		
20:00:00	2572	Projected
12/01/2011		
21:00:00	2572	Projected
12/01/2011		
22:00:00	2572	Projected
12/01/2011		
23:00:00	2572	Projected
13/01/2011		
00:00:00	2572	Projected
13/01/2011		
01:00:00	2571	Projected
13/01/2011		
02:00:00	2571	Projected
13/01/2011		
03:00:00	2570	Projected
13/01/2011		
04:00:00	2630	Projected
13/01/2011		
05:00:00	2629	Projected
13/01/2011		
06:00:00	2688	Projected
13/01/2011		
07:00:00	2687	Projected
13/01/2011		
08:00:00	2747	Projected
13/01/2011		
09:00:00	2745	Projected
13/01/2011		
10:00:00	2805	Projected

13/01/2011		
11:00:00	2803	Projected
13/01/2011		
12:00:00	2861	Projected
13/01/2011		
13:00:00	2858	Projected
13/01/2011		
14:00:00	2916	Projected
13/01/2011		
15:00:00	2913	Projected
13/01/2011		
16:00:00	3029	Projected
13/01/2011		
17:00:00	3026	Projected
13/01/2011		
18:00:00	3140	Projected
13/01/2011		
19:00:00	3137	Projected
13/01/2011		
20:00:00	3191	Projected
13/01/2011		
21:00:00	3187	Projected
13/01/2011		
22:00:00	3299	Projected
13/01/2011		
23:00:00	3294	Projected
14/01/2011		
00:00:00	3405	Projected
14/01/2011		
01:00:00	3399	Projected
14/01/2011		
02:00:00	3451	Projected
14/01/2011		
03:00:00	3447	Projected
14/01/2011		
04:00:00	3556	Projected
14/01/2011		
05:00:00	3551	Projected
14/01/2011		
06:00:00	3660	Projected
14/01/2011		
07:00:00	3654	Projected
14/01/2011		
08:00:00	3649	Projected
14/01/2011		
09:00:00	3643	Projected
14/01/2011		
10:00:00	3637	Projected
14/01/2011		
11:00:00	3631	Projected
14/01/2011		
12:00:00	3625	Projected
14/01/2011		
13:00:00	3619	Projected
14/01/2011		
14:00:00	3613	Projected

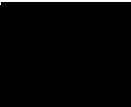
14/01/2011	
15:00:00	3606 Projected
14/01/2011	
16:00:00	3600 Projected
14/01/2011	
17:00:00	3593 Projected
14/01/2011	
18:00:00	3587 Projected
14/01/2011	
19:00:00	3580 Projected
14/01/2011	
20:00:00	3573 Projected
14/01/2011	
21:00:00	3566 Projected
14/01/2011	
22:00:00	3560 Projected
14/01/2011	
23:00:00	3553 Projected
15/01/2011	
00:00:00	3546 Projected
15/01/2011	
01:00:00	3539 Projected
15/01/2011	
02:00:00	3531 Projected
15/01/2011	
03:00:00	3524 Projected
15/01/2011	
04:00:00	3517 Projected
15/01/2011	
05:00:00	3509 Projected
15/01/2011	
06:00:00	3502 Projected
15/01/2011	
07:00:00	3495 Projected
15/01/2011	
08:00:00	3487 Projected
15/01/2011	
09:00:00	3479 Projected
15/01/2011	
10:00:00	3472 Projected
15/01/2011	
11:00:00	3464 Projected
15/01/2011	
12:00:00	3456 Projected
15/01/2011	
13:00:00	3448 Projected
15/01/2011	
14:00:00	3441 Projected
15/01/2011	
15:00:00	3433 Projected
15/01/2011	
16:00:00	3425 Projected
15/01/2011	
17:00:00	3417 Projected
15/01/2011	
18:00:00	3408 Projected

15/01/2011	
19:00:00	3400 Projected
15/01/2011	
20:00:00	3392 Projected
15/01/2011	
21:00:00	3384 Projected
15/01/2011	
22:00:00	3376 Projected
15/01/2011	
23:00:00	3367 Projected
16/01/2011	
00:00:00	3359 Projected
16/01/2011	
01:00:00	3351 Projected
16/01/2011	
02:00:00	3342 Projected
16/01/2011	
03:00:00	3334 Projected
16/01/2011	
04:00:00	3326 Projected
16/01/2011	
05:00:00	3317 Projected
16/01/2011	
06:00:00	3309 Projected
16/01/2011	
07:00:00	3300 Projected
16/01/2011	
08:00:00	3291 Projected
16/01/2011	
09:00:00	3283 Projected
16/01/2011	
10:00:00	3274 Projected
16/01/2011	
11:00:00	3266 Projected
16/01/2011	
12:00:00	3257 Projected
16/01/2011	
13:00:00	3248 Projected
16/01/2011	
14:00:00	3240 Projected
16/01/2011	
15:00:00	3231 Projected
16/01/2011	
16:00:00	3222 Projected
16/01/2011	
17:00:00	3213 Projected
16/01/2011	
18:00:00	3204 Projected
16/01/2011	
19:00:00	3195 Projected
16/01/2011	
20:00:00	3187 Projected
16/01/2011	
21:00:00	3178 Projected
16/01/2011	
22:00:00	3169 Projected

16/01/2011	
23:00:00	3160 Projected
17/01/2011	
00:00:00	3150 Projected
17/01/2011	
01:00:00	3140 Projected
17/01/2011	
02:00:00	3130 Projected
17/01/2011	
03:00:00	3119 Projected
17/01/2011	
04:00:00	3109 Projected
17/01/2011	
05:00:00	3098 Projected
17/01/2011	
06:00:00	3086 Projected
17/01/2011	
07:00:00	3074 Projected
17/01/2011	
08:00:00	3062 Projected

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Dam Projected Releases - 20:00 at Wednesday 12 January 2011

From: Duty Engineer [REDACTED]
 To: Duty Engineer [REDACTED] Chris Lavin
 [REDACTED], Craig Logan [REDACTED], Don
 Carroll [REDACTED], Evan Caswell
 [REDACTED] Flood Information Centre
 [REDACTED] James Charalambous
 [REDACTED] Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Wed, 12 Jan 2011 20:15:09 +1000

Wivenhoe Dam Actual and Projected Releases

12/01/2011

Source: Seqwater FOC 20:10

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual

02:00:00		
03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual

04/01/2011		
06:00:00	50	Actual
04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual

05/01/2011		
10:00:00	50	Actual
05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual

06/01/2011		
14:00:00	50	Actual
06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	65	Actual
07/01/2011		
16:00:00	117	Actual
07/01/2011		
17:00:00	169	Actual

07/01/2011		
18:00:00	220	Actual
07/01/2011		
19:00:00	270	Actual
07/01/2011		
20:00:00	319	Actual
07/01/2011		
21:00:00	367	Actual
07/01/2011		
22:00:00	421	Actual
07/01/2011		
23:00:00	474	Actual
08/01/2011		
00:00:00	528	Actual
08/01/2011		
01:00:00	581	Actual
08/01/2011		
02:00:00	635	Actual
08/01/2011		
03:00:00	689	Actual
08/01/2011		
04:00:00	742	Actual
08/01/2011		
05:00:00	796	Actual
08/01/2011		
06:00:00	850	Actual
08/01/2011		
07:00:00	905	Actual
08/01/2011		
08:00:00	953	Actual
08/01/2011		
09:00:00	1006	Actual
08/01/2011		
10:00:00	1059	Actual
08/01/2011		
11:00:00	1113	Actual
08/01/2011		
12:00:00	1167	Actual
08/01/2011		
13:00:00	1219	Actual
08/01/2011		
14:00:00	1271	Actual
08/01/2011		
15:00:00	1272	Actual
08/01/2011		
16:00:00	1272	Actual
08/01/2011		
17:00:00	1273	Actual
08/01/2011		
18:00:00	1273	Actual
08/01/2011		
19:00:00	1273	Actual
08/01/2011		
20:00:00	1273	Actual
08/01/2011		
21:00:00	1273	Actual

08/01/2011		
22:00:00	1273	Actual
08/01/2011		
23:00:00	1273	Actual
09/01/2011		
00:00:00	1272	Actual
09/01/2011		
01:00:00	1272	Actual
09/01/2011		
02:00:00	1318	Actual
09/01/2011		
03:00:00	1318	Actual
09/01/2011		
04:00:00	1317	Actual
09/01/2011		
05:00:00	1369	Actual
09/01/2011		
06:00:00	1368	Actual
09/01/2011		
07:00:00	1368	Actual
09/01/2011		
08:00:00	1367	Actual
09/01/2011		
09:00:00	1366	Actual
09/01/2011		
10:00:00	1366	Actual
09/01/2011		
11:00:00	1366	Actual
09/01/2011		
12:00:00	1419	Actual
09/01/2011		
13:00:00	1419	Actual
09/01/2011		
14:00:00	1420	Actual
09/01/2011		
15:00:00	1422	Actual
09/01/2011		
16:00:00	1425	Actual
09/01/2011		
17:00:00	1428	Actual
09/01/2011		
18:00:00	1432	Actual
09/01/2011		
19:00:00	1437	Actual
09/01/2011		
20:00:00	1442	Actual
09/01/2011		
21:00:00	1448	Actual
09/01/2011		
22:00:00	1455	Actual
09/01/2011		
23:00:00	1464	Actual
10/01/2011		
00:00:00	1474	Actual
10/01/2011		
01:00:00	1485	Actual

10/01/2011		
02:00:00	1551	Actual
10/01/2011		
03:00:00	1618	Actual
10/01/2011		
04:00:00	1685	Actual
10/01/2011		
05:00:00	1754	Actual
10/01/2011		
06:00:00	1822	Actual
10/01/2011		
07:00:00	1891	Actual
10/01/2011		
08:00:00	1961	Actual
10/01/2011		
09:00:00	2031	Actual
10/01/2011		
10:00:00	2043	Actual
10/01/2011		
11:00:00	2055	Actual
10/01/2011		
12:00:00	2067	Actual
10/01/2011		
13:00:00	2079	Actual
10/01/2011		
14:00:00	2090	Actual
10/01/2011		
15:00:00	2100	Actual
10/01/2011		
16:00:00	2165	Actual
10/01/2011		
17:00:00	2285	Actual
10/01/2011		
18:00:00	2409	Actual
10/01/2011		
19:00:00	2529	Actual
10/01/2011		
20:00:00	2707	Actual
10/01/2011		
21:00:00	2715	Actual
10/01/2011		
22:00:00	2721	Actual
10/01/2011		
23:00:00	2727	Actual
11/01/2011		
00:00:00	2733	Actual
11/01/2011		
01:00:00	2738	Actual
11/01/2011		
02:00:00	2743	Actual
11/01/2011		
03:00:00	2748	Actual
11/01/2011		
04:00:00	2752	Actual
11/01/2011		
05:00:00	2756	Actual

11/01/2011		
06:00:00	2762	Actual
11/01/2011		
07:00:00	2767	Actual
11/01/2011		
08:00:00	2773	Actual
11/01/2011		
09:00:00	2996	Actual
11/01/2011		
10:00:00	3345	Actual
11/01/2011		
11:00:00	3522	Actual
11/01/2011		
12:00:00	3644	Actual
11/01/2011		
13:00:00	4217	Actual
11/01/2011		
14:00:00	4511	Actual
11/01/2011		
15:00:00	5097	Actual
11/01/2011		
16:00:00	5701	Actual
11/01/2011		
17:00:00	6330	Actual
11/01/2011		
18:00:00	6661	Actual
11/01/2011		
19:00:00	7339	Actual
11/01/2011		
20:00:00	7341	Actual
11/01/2011		
21:00:00	7342	Actual
11/01/2011		
22:00:00	7001	Actual
11/01/2011		
23:00:00	7000	Actual
12/01/2011		
00:00:00	6032	Actual
12/01/2011		
01:00:00	6033	Actual
12/01/2011		
02:00:00	5427	Actual
12/01/2011		
03:00:00	5427	Actual
12/01/2011		
04:00:00	4842	Actual
12/01/2011		
05:00:00	4269	Actual
12/01/2011		
06:00:00	3699	Actual
12/01/2011		
07:00:00	3123	Actual
12/01/2011		
08:00:00	2531	Actual
12/01/2011		
09:00:00	2534	Actual

12/01/2011		
10:00:00	2537	Actual
12/01/2011		
11:00:00	2539	Actual
12/01/2011		
12:00:00	2541	Actual
12/01/2011		
13:00:00	2543	Actual
12/01/2011		
14:00:00	2544	Actual
12/01/2011		
15:00:00	2546	Actual
12/01/2011		
16:00:00	2547	Actual
12/01/2011		
17:00:00	2548	Actual
12/01/2011		
18:00:00	2548	Actual
12/01/2011		
19:00:00	2549	Actual
12/01/2011		
20:00:00	2549	Actual
12/01/2011		
21:00:00	2549	Projected
12/01/2011		
22:00:00	2549	Projected
12/01/2011		
23:00:00	2549	Projected
13/01/2011		
00:00:00	2549	Projected
13/01/2011		
01:00:00	2548	Projected
13/01/2011		
02:00:00	2547	Projected
13/01/2011		
03:00:00	2547	Projected
13/01/2011		
04:00:00	2546	Projected
13/01/2011		
05:00:00	2545	Projected
13/01/2011		
06:00:00	2544	Projected
13/01/2011		
07:00:00	2543	Projected
13/01/2011		
08:00:00	2542	Projected
13/01/2011		
09:00:00	2540	Projected
13/01/2011		
10:00:00	2539	Projected
13/01/2011		
11:00:00	2537	Projected
13/01/2011		
12:00:00	2595	Projected
13/01/2011		
13:00:00	2594	Projected

13/01/2011		
14:00:00	2592	Projected
13/01/2011		
15:00:00	2590	Projected
13/01/2011		
16:00:00	2647	Projected
13/01/2011		
17:00:00	2645	Projected
13/01/2011		
18:00:00	2643	Projected
13/01/2011		
19:00:00	2640	Projected
13/01/2011		
20:00:00	2638	Projected
13/01/2011		
21:00:00	2696	Projected
13/01/2011		
22:00:00	2693	Projected
13/01/2011		
23:00:00	2690	Projected
14/01/2011		
00:00:00	2687	Projected
14/01/2011		
01:00:00	2744	Projected
14/01/2011		
02:00:00	2741	Projected
14/01/2011		
03:00:00	2739	Projected
14/01/2011		
04:00:00	2737	Projected
14/01/2011		
05:00:00	2735	Projected
14/01/2011		
06:00:00	2791	Projected
14/01/2011		
07:00:00	2789	Projected
14/01/2011		
08:00:00	2787	Projected
14/01/2011		
09:00:00	2784	Projected
14/01/2011		
10:00:00	2840	Projected
14/01/2011		
11:00:00	2837	Projected
14/01/2011		
12:00:00	2834	Projected
14/01/2011		
13:00:00	2831	Projected
14/01/2011		
14:00:00	2828	Projected
14/01/2011		
15:00:00	2940	Projected
14/01/2011		
16:00:00	2936	Projected
14/01/2011		
17:00:00	2933	Projected

14/01/2011		
18:00:00	2929	Projected
14/01/2011		
19:00:00	3039	Projected
14/01/2011		
20:00:00	3035	Projected
14/01/2011		
21:00:00	3031	Projected
14/01/2011		
22:00:00	3027	Projected
14/01/2011		
23:00:00	3022	Projected
15/01/2011		
00:00:00	3018	Projected
15/01/2011		
01:00:00	3013	Projected
15/01/2011		
02:00:00	3009	Projected
15/01/2011		
03:00:00	3060	Projected
15/01/2011		
04:00:00	3055	Projected
15/01/2011		
05:00:00	3050	Projected
15/01/2011		
06:00:00	3045	Projected
15/01/2011		
07:00:00	3040	Projected
15/01/2011		
08:00:00	3035	Projected
15/01/2011		
09:00:00	3030	Projected
15/01/2011		
10:00:00	3025	Projected
15/01/2011		
11:00:00	3129	Projected
15/01/2011		
12:00:00	3123	Projected
15/01/2011		
13:00:00	3118	Projected
15/01/2011		
14:00:00	3112	Projected
15/01/2011		
15:00:00	3106	Projected
15/01/2011		
16:00:00	3100	Projected
15/01/2011		
17:00:00	3094	Projected
15/01/2011		
18:00:00	3088	Projected
15/01/2011		
19:00:00	3190	Projected
15/01/2011		
20:00:00	3183	Projected
15/01/2011		
21:00:00	3176	Projected

15/01/2011	
22:00:00	3170 Projected
15/01/2011	
23:00:00	3163 Projected
16/01/2011	
00:00:00	3157 Projected
16/01/2011	
01:00:00	3150 Projected
16/01/2011	
02:00:00	3143 Projected
16/01/2011	
03:00:00	3188 Projected
16/01/2011	
04:00:00	3181 Projected
16/01/2011	
05:00:00	3174 Projected
16/01/2011	
06:00:00	3167 Projected
16/01/2011	
07:00:00	3160 Projected
16/01/2011	
08:00:00	3153 Projected
16/01/2011	
09:00:00	3146 Projected
16/01/2011	
10:00:00	3139 Projected
16/01/2011	
11:00:00	3233 Projected
16/01/2011	
12:00:00	3225 Projected
16/01/2011	
13:00:00	3217 Projected
16/01/2011	
14:00:00	3209 Projected
16/01/2011	
15:00:00	3202 Projected
16/01/2011	
16:00:00	3194 Projected
16/01/2011	
17:00:00	3186 Projected
16/01/2011	
18:00:00	3178 Projected
16/01/2011	
19:00:00	3268 Projected
16/01/2011	
20:00:00	3259 Projected
16/01/2011	
21:00:00	3249 Projected
16/01/2011	
22:00:00	3239 Projected
16/01/2011	
23:00:00	3228 Projected
17/01/2011	
00:00:00	3218 Projected
17/01/2011	
01:00:00	3207 Projected

17/01/2011	
02:00:00	3196 Projected
17/01/2011	
03:00:00	3232 Projected
17/01/2011	
04:00:00	3219 Projected
17/01/2011	
05:00:00	3207 Projected
17/01/2011	
06:00:00	3194 Projected
17/01/2011	
07:00:00	3181 Projected
17/01/2011	
08:00:00	3169 Projected
17/01/2011	
09:00:00	3156 Projected
17/01/2011	
10:00:00	3143 Projected
17/01/2011	
11:00:00	3221 Projected
17/01/2011	
12:00:00	3207 Projected
17/01/2011	
13:00:00	3193 Projected
17/01/2011	
14:00:00	3179 Projected
17/01/2011	
15:00:00	3165 Projected
17/01/2011	
16:00:00	3151 Projected
17/01/2011	
17:00:00	3137 Projected
17/01/2011	
18:00:00	3122 Projected
17/01/2011	
19:00:00	3108 Projected
17/01/2011	
20:00:00	3007 Projected
17/01/2011	
21:00:00	2950 Projected
17/01/2011	
22:00:00	2850 Projected
17/01/2011	
23:00:00	2708 Projected
18/01/2011	
00:00:00	2609 Projected
18/01/2011	
01:00:00	2511 Projected
18/01/2011	
02:00:00	2369 Projected
18/01/2011	
03:00:00	2272 Projected
18/01/2011	
04:00:00	2219 Projected
18/01/2011	
05:00:00	2120 Projected

18/01/2011		
06:00:00	2068	Projected
18/01/2011		
07:00:00	2016	Projected
18/01/2011		
08:00:00	1919	Projected
18/01/2011		
09:00:00	1866	Projected
18/01/2011		
10:00:00	1818	Projected
18/01/2011		
11:00:00	1723	Projected
18/01/2011		
12:00:00	1670	Projected
18/01/2011		
13:00:00	1619	Projected
18/01/2011		
14:00:00	1523	Projected
18/01/2011		
15:00:00	1472	Projected
18/01/2011		
16:00:00	1422	Projected
18/01/2011		
17:00:00	1323	Projected
18/01/2011		
18:00:00	1271	Projected
18/01/2011		
19:00:00	1219	Projected
18/01/2011		
20:00:00	1127	Projected
18/01/2011		
21:00:00	1077	Projected
18/01/2011		
22:00:00	1026	Projected
18/01/2011		
23:00:00	926	Projected
19/01/2011		
00:00:00	876	Projected
19/01/2011		
01:00:00	825	Projected
19/01/2011		
02:00:00	725	Projected
19/01/2011		
03:00:00	675	Projected
19/01/2011		
04:00:00	625	Projected
19/01/2011		
05:00:00	525	Projected
19/01/2011		
06:00:00	475	Projected
19/01/2011		
07:00:00	432	Projected
19/01/2011		
08:00:00	332	Projected
19/01/2011		
09:00:00	288	Projected

19/01/2011		
10:00:00	242	Projected
19/01/2011		
11:00:00	148	Projected
19/01/2011		
12:00:00	99	Projected
19/01/2011		
13:00:00	49	Projected
19/01/2011		
14:00:00	0	Projected
19/01/2011		
15:00:00	0	Projected
19/01/2011		
16:00:00	0	Projected
19/01/2011		
17:00:00	0	Projected
19/01/2011		
18:00:00	0	Projected
19/01/2011		
19:00:00	0	Projected

John Ruffini

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report 0600 13 January 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Cc: [REDACTED]

Date: Thu, 13 Jan 2011 05:45:03 +1000

Rainfall

Rainfall in the last 12 hours is generally below 5mm with isolated falls of up to 15mm in the Stanley, Lockyer and Pine River catchments. There is no significant rain expected in the next 4 days.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 06:00 on Wednesday 12 January 2011. The current level is 104.34 mAHD. One sluice was opened at 10:30 on 12 January 2011 and the dam is currently discharging 1,130 m³/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. Wivenhoe Dam was 74.72 m AHD at 06:00 and commence to fall slowly.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m³/s at 07:30 on Wednesday 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. The Brisbane River has peaked at the Port Office Gauge early Thursday morning. Releases from Wivenhoe Dam will be managed to achieve a target flow of around 3,500 m³/s at Moggill. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 06:00 North Pine Dam was 39.70 mAHD falling with all gates open 1 increment, releasing about 80 m³/s. North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with peak release of 2,800 m³/s. The event has a volume of around 200,000 ML. It is expected that all gates will be closed on Friday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and reviewing operating strategy. The FOC will continue to maintain close contact with warning agencies and local councils.

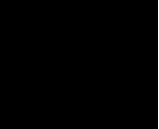
The next report will be issued at 18:00 on Thursday 13 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Comms Restored

From: Duty Engineer [REDACTED]
To: [REDACTED] Flood Information Centre
[REDACTED] Doug Grigg
[REDACTED] Graham
Francis [REDACTED] Jayam Tennakoor
Matthew O'Reilly [REDACTED] Glenn Patterson
[REDACTED] Murray Dunstan
[REDACTED] Rob Gorian [REDACTED]
Date: Thu, 13 Jan 2011 11:13:53 +1000

Comms has been restored in the FOC

Terry Malone

Duty Engineer

Flood Operations Centre

Phone [REDACTED]

Fax: [REDACTED]

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 06:00 on Friday 14 Janaury 2011

From: Duty Engineer <[REDACTED]>

To: [REDACTED]

Date: Fri, 14 Jan 2011 05:35:20 +1000

Rainfall

There has been no significant rainfall in the last 12 hours and falls of only 5mm is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. The current level is 102.87 mAHD and falling. Four sluices are open and the dam is currently discharging about 1,300 m³/s.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. At 05:00 Wivenhoe Dam was 74.74.08 mAHD and continuing to fall.

The releases from Wivenhoe Dam are currently about 3,500 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release will then be maintained to drain the flood storage component by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. The current level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

Fish recovery has commenced and MBRC have been advised that the gates have been closed. MBRC will inspect Youngs Crossing to determine if the crossing can be re-opened.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments. The FOC will continue to maintain close contact with warning agencies and local councils

The next report will be issued at 18:00 on Friday 14 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:



Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 06:00 on Friday 14 Janaury 2011

From: Duty Engineer <[REDACTED]>

To: [REDACTED]

Date: Fri, 14 Jan 2011 05:45:17 +1000

Rainfall

There has been no significant rainfall in the last 12 hours and falls of only 5mm is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. The current level is 102.87 mAHD and falling. Four sluices are open and the dam is currently discharging about 1,300 m³/s.

Wivenhoe Dam peaked at 74.97 mAHd at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. At 05:00 Wivenhoe Dam was 74.08 mAHd and continuing to fall.

The releases from Wivenhoe Dam are currently about 3,500 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release will then be maintained to drain the flood storage component by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHd and gate operations have ceased. The current level is expected to increase to just over 39.5 mAHd in the next few days due to base-flow. This could be higher if further rainfall occurs.

Fish recovery has commenced and MBRC have been advised that the gates have been closed. MBRC will inspect Youngs Crossing to determine if the crossing can be re-opened.

North Pine peaked at 41.11 mAHd at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments. The FOC will continue to maintain close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Friday 14 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone



Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 0630 Saturday 15 January 2011

From: Duty Engineer [REDACTED]

To:

Date: Sat, 15 Jan 2011 06:35:32 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 101.35 mAHD and falling. Four sluices are open and the dam is currently discharging about 920 m³/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 05:00 Wivenhoe Dam was 72.86 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,500 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. This level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

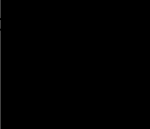
The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Saturday 15 January 2011.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 0600 Sunday 16 January 2011

From: Duty Engineer

To:

Date: Sun, 16 Jan 2011 06:09:18 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 100.01 mAHD and falling. Four sluices are open and the dam is currently discharging about 820 m³/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Wivenhoe Dam was 71.3 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,477 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 06:00 North Pine Dam was 39.46 mAHD. All gates are closed. The lake level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Sunday 16 January 2011.

John Ruffini

Duty Engineer

Flood Operations Centre

Phone



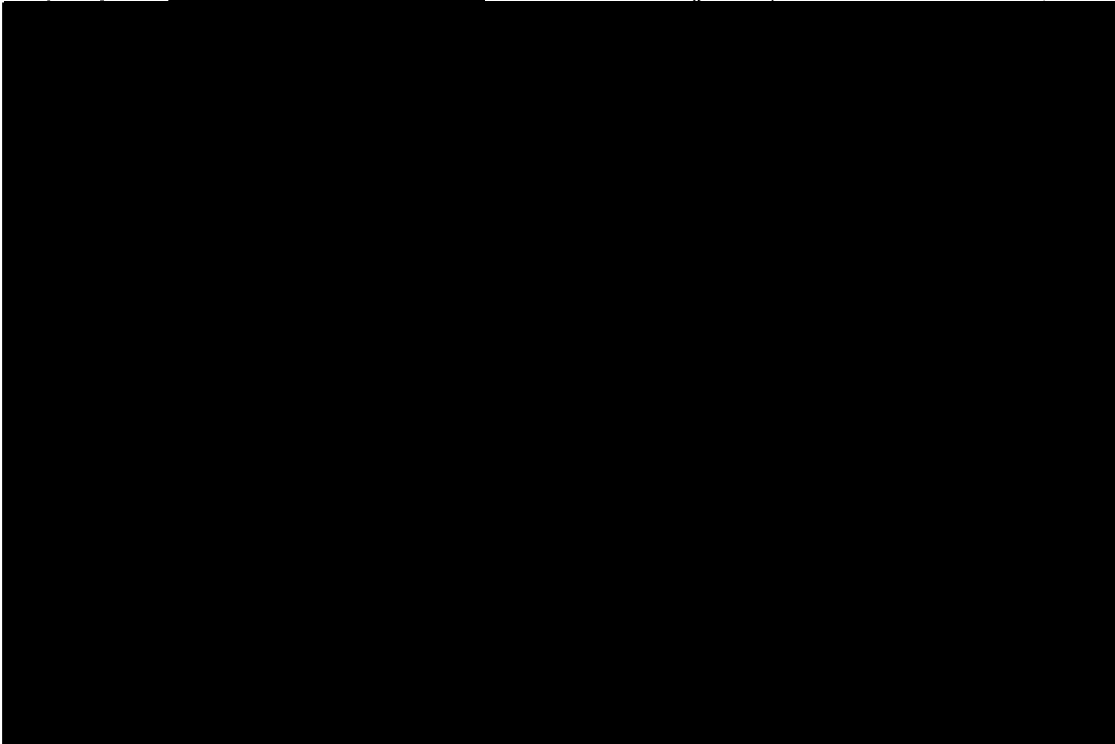
Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 1700 Monday 16 January 2011

From: Duty Engineer [REDACTED]
To: Duty Engineer [REDACTED] "Arminda Roberts (private)"



Date: Mon, 17 Jan 2011 16:56:03 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 7:00 17/01/2011 and one regulator was opened the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 16:00 Wivenhoe Dam was 68.66 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 2946 m³/s. Releases will be steadily reduced before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the automatic recorder currently being reported on the BoM website is currently incorrect and has been since early Tuesday 11 2011.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local

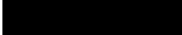
councils. Councils have been informed of the current release strategy. The bridges below Wivenhoe Dam will progressively come out of water over the next few days.

John Ruffini

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Wivenhoe Recession and Coronation Drive

From: Duty Engineer <[REDACTED]>
 To: Chris Lavin [REDACTED], Craig Logan
 [REDACTED], Don Carroll [REDACTED], Evan
 Caswell [REDACTED], Flood Information Centre
 [REDACTED], James Charalambous
 [REDACTED], Ken Morris [REDACTED]
 Robert McGlinn [REDACTED], Santina Pennisi
 [REDACTED]

Date: Tue, 18 Jan 2011 01:12:48 +1000

Ken Morris contacted the FOC to enquire about slowing the Wivenhoe recession due to concerns about slumping at Coronation Drive.

I note on the ABC web site that the Lord Mayor has said that this is no longer a concern.

Can you please advise?

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: [REDACTED]

Fax: [REDACTED]

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the

sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Re: Wivenhoe Recession and Coronation Drive

From: [REDACTED]
To: "Carroll, Don" [REDACTED] "Caswell, Evan"
[REDACTED] "Charalambous, James"
[REDACTED] "Engineer, Duty" [REDACTED]
"Lavin, Chris" [REDACTED] "Logan, Craig"
[REDACTED] "McGlinn, Robert" [REDACTED]
"Morris, Ken" [REDACTED] "Pennisi, Santina"

Date: Tue, 18 Jan 2011 02:11:26 +1000

Place: Flood Information Centre

Hi Terry,

See the following link and response from our LDCC

http://newsroom.brisbane.qld.gov.au/home/news_detail.asp?ID=1396

Based on the above I believe this issue is no longer a current concern.

Regards
JamesC
FIC Controller.

>>> "Duty Engineer" <dutyseq@uqconnect.net> 18/01/2011 1:12:48 am >>>

Ken Morris contacted the FOC to enquire about slowing the Wivenhoe recession due to concerns about slumping at Coronation Drive.

I note on the ABC web site that the Lord Mayor has said that this is no longer a concern.

Can you please advise?

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 0615 Tuesday 18 Janaury 2011

From: Duty Engineer <[REDACTED]>
To: "Arminda Roberts (private)" <[REDACTED]> David Roberts



Date: Tue, 18 Jan 2011 06:17:12 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Monday Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Tuesday Wivenhoe Dam was 67.82 mAHD and continuing to fall slowly. Releases were held constant overnight at about 2,050 m³/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

At 05:00, the Wivenhoe Dam operator reported that the Fernvale Bridge was out of water but water remained over the approaches from Fernvale. He also advised that there were power lines on the bridge and that Energex was advised.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

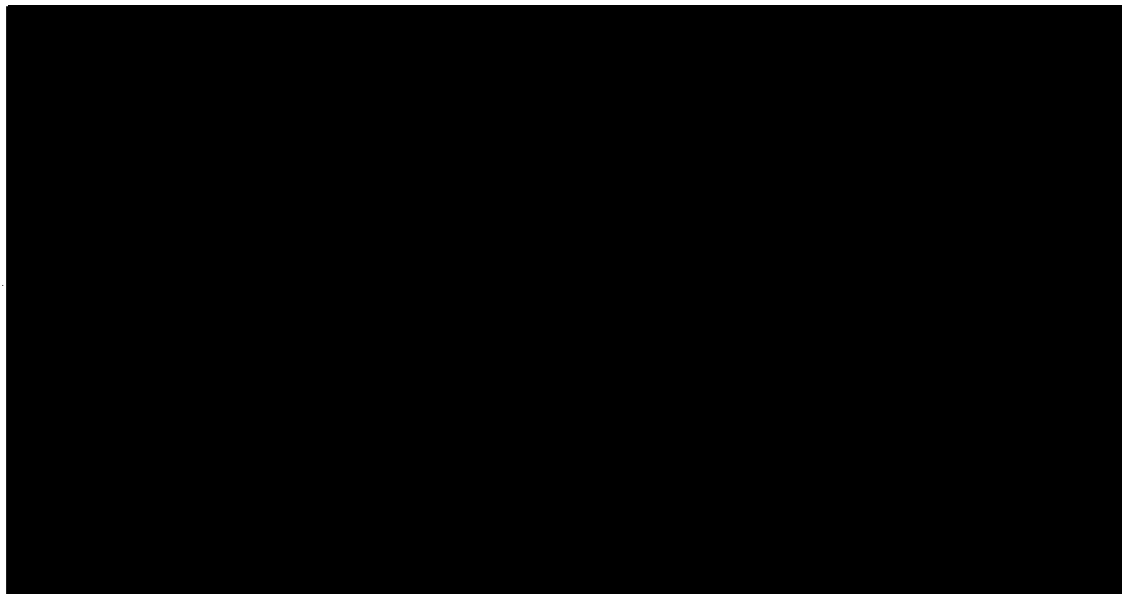
Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 0615 Tuesday 18 Janaury 2011

From:

To:



Date: Tue, 18 Jan 2011 06:17:12 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Monday Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Tuesday Wivenhoe Dam was 67.82 mAHD and continuing to fall slowly. Releases were held constant overnight at about 2,050 m³/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

At 05:00, the Wivenhoe Dam operator reported that the Fernvale Bridge was out of water but water remained over the approaches from Fernvale. He also advised that there were power lines on the bridge and that Energex was advised.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Actual and predicted Release - Wivenhoe Dam at 13:00 on Tuesday 18 January 2011

From: Duty Engineer [REDACTED]
 To: [REDACTED] Chris Lavin [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Evan
 Caswell [REDACTED] Flood Information Centre
 [REDACTED], James Charalambous
 [REDACTED], Ken Morris [REDACTED]
 Robert McGlinn [REDACTED] Santina Pennisi
 [REDACTED]

Date: Tue, 18 Jan 2011 13:29:05 +1000

Wivenhoe Dam Actual and Projected Releases

18/01/2011

Source: Seqwater FOC

13:28

02/01/2011		
09:00:00	50	Actual
02/01/2011		
10:00:00	50	Actual
02/01/2011		
11:00:00	50	Actual
02/01/2011		
12:00:00	50	Actual
02/01/2011		
13:00:00	50	Actual
02/01/2011		
14:00:00	50	Actual
02/01/2011		
15:00:00	50	Actual
02/01/2011		
16:00:00	50	Actual
02/01/2011		
17:00:00	50	Actual
02/01/2011		
18:00:00	50	Actual
02/01/2011		
19:00:00	50	Actual
02/01/2011		
20:00:00	50	Actual
02/01/2011		
21:00:00	50	Actual
02/01/2011		
22:00:00	50	Actual
02/01/2011		
23:00:00	50	Actual
03/01/2011		
00:00:00	50	Actual
03/01/2011		
01:00:00	50	Actual
03/01/2011		
02:00:00	50	Actual

03/01/2011		
03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
13:00:00	50	Actual
03/01/2011		
14:00:00	50	Actual
03/01/2011		
15:00:00	50	Actual
03/01/2011		
16:00:00	50	Actual
03/01/2011		
17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
19:00:00	50	Actual
03/01/2011		
20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
04/01/2011		
03:00:00	50	Actual
04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual

04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
05:00:00	50	Actual
05/01/2011		
06:00:00	50	Actual
05/01/2011		
07:00:00	50	Actual
05/01/2011		
08:00:00	50	Actual
05/01/2011		
09:00:00	50	Actual
05/01/2011		
10:00:00	50	Actual

05/01/2011		
11:00:00	50	Actual
05/01/2011		
12:00:00	50	Actual
05/01/2011		
13:00:00	50	Actual
05/01/2011		
14:00:00	50	Actual
05/01/2011		
15:00:00	50	Actual
05/01/2011		
16:00:00	50	Actual
05/01/2011		
17:00:00	50	Actual
05/01/2011		
18:00:00	50	Actual
05/01/2011		
19:00:00	50	Actual
05/01/2011		
20:00:00	50	Actual
05/01/2011		
21:00:00	50	Actual
05/01/2011		
22:00:00	50	Actual
05/01/2011		
23:00:00	50	Actual
06/01/2011		
00:00:00	50	Actual
06/01/2011		
01:00:00	50	Actual
06/01/2011		
02:00:00	50	Actual
06/01/2011		
03:00:00	50	Actual
06/01/2011		
04:00:00	50	Actual
06/01/2011		
05:00:00	50	Actual
06/01/2011		
06:00:00	50	Actual
06/01/2011		
07:00:00	50	Actual
06/01/2011		
08:00:00	50	Actual
06/01/2011		
09:00:00	50	Actual
06/01/2011		
10:00:00	50	Actual
06/01/2011		
11:00:00	50	Actual
06/01/2011		
12:00:00	50	Actual
06/01/2011		
13:00:00	50	Actual
06/01/2011		
14:00:00	50	Actual

06/01/2011		
15:00:00	50	Actual
06/01/2011		
16:00:00	50	Actual
06/01/2011		
17:00:00	50	Actual
06/01/2011		
18:00:00	50	Actual
06/01/2011		
19:00:00	50	Actual
06/01/2011		
20:00:00	50	Actual
06/01/2011		
21:00:00	50	Actual
06/01/2011		
22:00:00	50	Actual
06/01/2011		
23:00:00	50	Actual
07/01/2011		
00:00:00	50	Actual
07/01/2011		
01:00:00	50	Actual
07/01/2011		
02:00:00	50	Actual
07/01/2011		
03:00:00	50	Actual
07/01/2011		
04:00:00	50	Actual
07/01/2011		
05:00:00	50	Actual
07/01/2011		
06:00:00	50	Actual
07/01/2011		
07:00:00	50	Actual
07/01/2011		
08:00:00	50	Actual
07/01/2011		
09:00:00	50	Actual
07/01/2011		
10:00:00	50	Actual
07/01/2011		
11:00:00	50	Actual
07/01/2011		
12:00:00	50	Actual
07/01/2011		
13:00:00	50	Actual
07/01/2011		
14:00:00	50	Actual
07/01/2011		
15:00:00	65	Actual
07/01/2011		
16:00:00	117	Actual
07/01/2011		
17:00:00	169	Actual
07/01/2011		
18:00:00	220	Actual

07/01/2011		
19:00:00	270	Actual
07/01/2011		
20:00:00	319	Actual
07/01/2011		
21:00:00	368	Actual
07/01/2011		
22:00:00	421	Actual
07/01/2011		
23:00:00	474	Actual
08/01/2011		
00:00:00	528	Actual
08/01/2011		
01:00:00	581	Actual
08/01/2011		
02:00:00	635	Actual
08/01/2011		
03:00:00	689	Actual
08/01/2011		
04:00:00	743	Actual
08/01/2011		
05:00:00	796	Actual
08/01/2011		
06:00:00	851	Actual
08/01/2011		
07:00:00	905	Actual
08/01/2011		
08:00:00	953	Actual
08/01/2011		
09:00:00	1007	Actual
08/01/2011		
10:00:00	1060	Actual
08/01/2011		
11:00:00	1113	Actual
08/01/2011		
12:00:00	1167	Actual
08/01/2011		
13:00:00	1219	Actual
08/01/2011		
14:00:00	1271	Actual
08/01/2011		
15:00:00	1272	Actual
08/01/2011		
16:00:00	1272	Actual
08/01/2011		
17:00:00	1273	Actual
08/01/2011		
18:00:00	1273	Actual
08/01/2011		
19:00:00	1273	Actual
08/01/2011		
20:00:00	1273	Actual
08/01/2011		
21:00:00	1273	Actual
08/01/2011		
22:00:00	1273	Actual

08/01/2011		
23:00:00	1273	Actual
09/01/2011		
00:00:00	1273	Actual
09/01/2011		
01:00:00	1272	Actual
09/01/2011		
02:00:00	1319	Actual
09/01/2011		
03:00:00	1318	Actual
09/01/2011		
04:00:00	1318	Actual
09/01/2011		
05:00:00	1369	Actual
09/01/2011		
06:00:00	1369	Actual
09/01/2011		
07:00:00	1368	Actual
09/01/2011		
08:00:00	1367	Actual
09/01/2011		
09:00:00	1367	Actual
09/01/2011		
10:00:00	1366	Actual
09/01/2011		
11:00:00	1366	Actual
09/01/2011		
12:00:00	1419	Actual
09/01/2011		
13:00:00	1420	Actual
09/01/2011		
14:00:00	1420	Actual
09/01/2011		
15:00:00	1422	Actual
09/01/2011		
16:00:00	1425	Actual
09/01/2011		
17:00:00	1429	Actual
09/01/2011		
18:00:00	1433	Actual
09/01/2011		
19:00:00	1437	Actual
09/01/2011		
20:00:00	1442	Actual
09/01/2011		
21:00:00	1449	Actual
09/01/2011		
22:00:00	1456	Actual
09/01/2011		
23:00:00	1464	Actual
10/01/2011		
00:00:00	1474	Actual
10/01/2011		
01:00:00	1485	Actual
10/01/2011		
02:00:00	1551	Actual

10/01/2011		
03:00:00	1619	Actual
10/01/2011		
04:00:00	1686	Actual
10/01/2011		
05:00:00	1755	Actual
10/01/2011		
06:00:00	1823	Actual
10/01/2011		
07:00:00	1892	Actual
10/01/2011		
08:00:00	1962	Actual
10/01/2011		
09:00:00	2032	Actual
10/01/2011		
10:00:00	2045	Actual
10/01/2011		
11:00:00	2057	Actual
10/01/2011		
12:00:00	2069	Actual
10/01/2011		
13:00:00	2081	Actual
10/01/2011		
14:00:00	2092	Actual
10/01/2011		
15:00:00	2101	Actual
10/01/2011		
16:00:00	2167	Actual
10/01/2011		
17:00:00	2287	Actual
10/01/2011		
18:00:00	2411	Actual
10/01/2011		
19:00:00	2531	Actual
10/01/2011		
20:00:00	2710	Actual
10/01/2011		
21:00:00	2718	Actual
10/01/2011		
22:00:00	2724	Actual
10/01/2011		
23:00:00	2731	Actual
11/01/2011		
00:00:00	2737	Actual
11/01/2011		
01:00:00	2742	Actual
11/01/2011		
02:00:00	2747	Actual
11/01/2011		
03:00:00	2751	Actual
11/01/2011		
04:00:00	2755	Actual
11/01/2011		
05:00:00	2760	Actual
11/01/2011		
06:00:00	2766	Actual

11/01/2011		
07:00:00	2771	Actual
11/01/2011		
08:00:00	2777	Actual
11/01/2011		
09:00:00	3001	Actual
11/01/2011		
10:00:00	3350	Actual
11/01/2011		
11:00:00	3528	Actual
11/01/2011		
12:00:00	3650	Actual
11/01/2011		
13:00:00	4224	Actual
11/01/2011		
14:00:00	4519	Actual
11/01/2011		
15:00:00	5107	Actual
11/01/2011		
16:00:00	5712	Actual
11/01/2011		
17:00:00	6343	Actual
11/01/2011		
18:00:00	6675	Actual
11/01/2011		
19:00:00	7355	Actual
11/01/2011		
20:00:00	7358	Actual
11/01/2011		
21:00:00	7359	Actual
11/01/2011		
22:00:00	7017	Actual
11/01/2011		
23:00:00	7017	Actual
12/01/2011		
00:00:00	6046	Actual
12/01/2011		
01:00:00	6047	Actual
12/01/2011		
02:00:00	5439	Actual
12/01/2011		
03:00:00	5440	Actual
12/01/2011		
04:00:00	4853	Actual
12/01/2011		
05:00:00	4279	Actual
12/01/2011		
06:00:00	3708	Actual
12/01/2011		
07:00:00	3130	Actual
12/01/2011		
08:00:00	2537	Actual
12/01/2011		
09:00:00	2540	Actual
12/01/2011		
10:00:00	2543	Actual

12/01/2011		
11:00:00	2545	Actual
12/01/2011		
12:00:00	2547	Actual
12/01/2011		
13:00:00	2549	Actual
12/01/2011		
14:00:00	2551	Actual
12/01/2011		
15:00:00	2552	Actual
12/01/2011		
16:00:00	2553	Actual
12/01/2011		
17:00:00	2554	Actual
12/01/2011		
18:00:00	2555	Actual
12/01/2011		
19:00:00	2556	Actual
12/01/2011		
20:00:00	2556	Actual
12/01/2011		
21:00:00	2556	Actual
12/01/2011		
22:00:00	2556	Actual
12/01/2011		
23:00:00	2556	Actual
13/01/2011		
00:00:00	2556	Actual
13/01/2011		
01:00:00	2556	Actual
13/01/2011		
02:00:00	2555	Actual
13/01/2011		
03:00:00	2554	Actual
13/01/2011		
04:00:00	2554	Actual
13/01/2011		
05:00:00	2553	Actual
13/01/2011		
06:00:00	2552	Actual
13/01/2011		
07:00:00	2551	Actual
13/01/2011		
08:00:00	2550	Actual
13/01/2011		
09:00:00	2549	Actual
13/01/2011		
10:00:00	2548	Actual
13/01/2011		
11:00:00	2547	Actual
13/01/2011		
12:00:00	2545	Actual
13/01/2011		
13:00:00	2604	Actual
13/01/2011		
14:00:00	2663	Actual

13/01/2011		
15:00:00	2663	Actual
13/01/2011		
16:00:00	2782	Actual
13/01/2011		
17:00:00	2840	Actual
13/01/2011		
18:00:00	2898	Actual
13/01/2011		
19:00:00	3013	Actual
13/01/2011		
20:00:00	3129	Actual
13/01/2011		
21:00:00	3242	Actual
13/01/2011		
22:00:00	3297	Actual
13/01/2011		
23:00:00	3351	Actual
14/01/2011		
00:00:00	3405	Actual
14/01/2011		
01:00:00	3459	Actual
14/01/2011		
02:00:00	3511	Actual
14/01/2011		
03:00:00	3564	Actual
14/01/2011		
04:00:00	3559	Actual
14/01/2011		
05:00:00	3554	Actual
14/01/2011		
06:00:00	3549	Actual
14/01/2011		
07:00:00	3543	Actual
14/01/2011		
08:00:00	3538	Actual
14/01/2011		
09:00:00	3532	Actual
14/01/2011		
10:00:00	3527	Actual
14/01/2011		
11:00:00	3521	Actual
14/01/2011		
12:00:00	3515	Actual
14/01/2011		
13:00:00	3510	Actual
14/01/2011		
14:00:00	3504	Actual
14/01/2011		
15:00:00	3498	Actual
14/01/2011		
16:00:00	3492	Actual
14/01/2011		
17:00:00	3486	Actual
14/01/2011		
18:00:00	3480	Actual

14/01/2011		
19:00:00	3529	Actual
14/01/2011		
20:00:00	3522	Actual
14/01/2011		
21:00:00	3516	Actual
14/01/2011		
22:00:00	3509	Actual
14/01/2011		
23:00:00	3502	Actual
15/01/2011		
00:00:00	3495	Actual
15/01/2011		
01:00:00	3488	Actual
15/01/2011		
02:00:00	3481	Actual
15/01/2011		
03:00:00	3529	Actual
15/01/2011		
04:00:00	3521	Actual
15/01/2011		
05:00:00	3514	Actual
15/01/2011		
06:00:00	3506	Actual
15/01/2011		
07:00:00	3499	Actual
15/01/2011		
08:00:00	3491	Actual
15/01/2011		
09:00:00	3484	Actual
15/01/2011		
10:00:00	3529	Actual
15/01/2011		
11:00:00	3521	Actual
15/01/2011		
12:00:00	3513	Actual
15/01/2011		
13:00:00	3505	Actual
15/01/2011		
14:00:00	3496	Actual
15/01/2011		
15:00:00	3488	Actual
15/01/2011		
16:00:00	3480	Actual
15/01/2011		
17:00:00	3523	Actual
15/01/2011		
18:00:00	3515	Actual
15/01/2011		
19:00:00	3506	Actual
15/01/2011		
20:00:00	3497	Actual
15/01/2011		
21:00:00	3488	Actual
15/01/2011		
22:00:00	3530	Actual

15/01/2011		
23:00:00	3521	Actual
16/01/2011		
00:00:00	3512	Actual
16/01/2011		
01:00:00	3502	Actual
16/01/2011		
02:00:00	3493	Actual
16/01/2011		
03:00:00	3483	Actual
16/01/2011		
04:00:00	3524	Actual
16/01/2011		
05:00:00	3514	Actual
16/01/2011		
06:00:00	3504	Actual
16/01/2011		
07:00:00	3494	Actual
16/01/2011		
08:00:00	3484	Actual
16/01/2011		
09:00:00	3524	Actual
16/01/2011		
10:00:00	3513	Actual
16/01/2011		
11:00:00	3502	Actual
16/01/2011		
12:00:00	3490	Actual
16/01/2011		
13:00:00	3527	Actual
16/01/2011		
14:00:00	3515	Actual
16/01/2011		
15:00:00	3504	Actual
16/01/2011		
16:00:00	3539	Actual
16/01/2011		
17:00:00	3527	Actual
16/01/2011		
18:00:00	3514	Actual
16/01/2011		
19:00:00	3502	Actual
16/01/2011		
20:00:00	3536	Actual
16/01/2011		
21:00:00	3523	Actual
16/01/2011		
22:00:00	3510	Actual
16/01/2011		
23:00:00	3450	Actual
17/01/2011		
00:00:00	3436	Actual
17/01/2011		
01:00:00	3422	Actual
17/01/2011		
02:00:00	3408	Actual

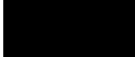
17/01/2011		
03:00:00	3395	Actual
17/01/2011		
04:00:00	3380	Actual
17/01/2011		
05:00:00	3365	Actual
17/01/2011		
06:00:00	3350	Actual
17/01/2011		
07:00:00	3335	Actual
17/01/2011		
08:00:00	3319	Actual
17/01/2011		
09:00:00	3303	Actual
17/01/2011		
10:00:00	3287	Actual
17/01/2011		
11:00:00	3271	Actual
17/01/2011		
12:00:00	3255	Actual
17/01/2011		
13:00:00	3238	Actual
17/01/2011		
14:00:00	3139	Actual
17/01/2011		
15:00:00	3039	Actual
17/01/2011		
16:00:00	2940	Actual
17/01/2011		
17:00:00	2885	Actual
17/01/2011		
18:00:00	2660	Actual
17/01/2011		
19:00:00	2563	Actual
17/01/2011		
20:00:00	2467	Actual
17/01/2011		
21:00:00	2372	Actual
17/01/2011		
22:00:00	2277	Actual
17/01/2011		
23:00:00	2181	Actual
18/01/2011		
00:00:00	2085	Actual
18/01/2011		
01:00:00	2078	Actual
18/01/2011		
02:00:00	2071	Actual
18/01/2011		
03:00:00	2064	Actual
18/01/2011		
04:00:00	2057	Actual
18/01/2011		
05:00:00	2050	Actual
18/01/2011		
06:00:00	2043	Actual

18/01/2011		
07:00:00	2036	Actual
18/01/2011		
08:00:00	2028	Actual
18/01/2011		
09:00:00	1935	Actual
18/01/2011		
10:00:00	1842	Actual
18/01/2011		
11:00:00	1751	Actual
18/01/2011		
12:00:00	1659	Actual
18/01/2011		
13:00:00	1564	Actual
18/01/2011		
14:00:00	1471	Projected
18/01/2011		
15:00:00	1377	Projected
18/01/2011		
16:00:00	1327	Projected
18/01/2011		
17:00:00	1278	Projected
18/01/2011		
18:00:00	1275	Projected
18/01/2011		
19:00:00	1225	Projected
18/01/2011		
20:00:00	1175	Projected
18/01/2011		
21:00:00	1172	Projected
18/01/2011		
22:00:00	1129	Projected
18/01/2011		
23:00:00	1081	Projected
19/01/2011		
00:00:00	1079	Projected
19/01/2011		
01:00:00	1032	Projected
19/01/2011		
02:00:00	982	Projected
19/01/2011		
03:00:00	981	Projected
19/01/2011		
04:00:00	931	Projected
19/01/2011		
05:00:00	884	Projected
19/01/2011		
06:00:00	882	Projected
19/01/2011		
07:00:00	835	Projected
19/01/2011		
08:00:00	786	Projected
19/01/2011		
09:00:00	785	Projected
19/01/2011		
10:00:00	736	Projected

19/01/2011		
11:00:00	688	Projected
19/01/2011		
12:00:00	687	Projected
19/01/2011		
13:00:00	640	Projected
19/01/2011		
14:00:00	592	Projected
19/01/2011		
15:00:00	591	Projected
19/01/2011		
16:00:00	543	Projected
19/01/2011		
17:00:00	496	Projected
19/01/2011		
18:00:00	495	Projected
19/01/2011		
19:00:00	448	Projected
19/01/2011		
20:00:00	407	Projected
19/01/2011		
21:00:00	407	Projected
19/01/2011		
22:00:00	360	Projected
19/01/2011		
23:00:00	313	Projected
20/01/2011		
00:00:00	312	Projected
20/01/2011		
01:00:00	271	Projected
20/01/2011		
02:00:00	228	Projected
20/01/2011		
03:00:00	228	Projected
20/01/2011		
04:00:00	184	Projected
20/01/2011		
05:00:00	139	Projected
20/01/2011		
06:00:00	139	Projected
20/01/2011		
07:00:00	93	Projected
20/01/2011		
08:00:00	47	Projected
20/01/2011		
09:00:00	47	Projected

Duty Engineer

Flood Operations Centre

Phone: Fax: 

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 18:00 on Tuesday 18 January 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Cc: [REDACTED]

Date: Tue, 18 Jan 2011 17:39:57 +1000

Rainfall

Severe thunderstorms are passing over Wivenhoe, Somerset and North Pine Dams this afternoon. To 17:00 falls of 20 to 30 mm were recorded at isolated locations including Mt Pechey and Kluvers Lookout.

A severe thunderstorm warning remains in place for the Stanley River Valley near Kilcoy.

Somerset/Wivenhoe

At 16:00 Tuesday Somerset Dam was 98.95 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 16:00 Tuesday Wivenhoe Dam was 66.31 mAHD and continuing to fall slowly. Releases were held constant since 15:00 at about 1,450 m³/s to assist water supply pumping at Lowood. The shutdown sequence is scheduled to re-commence at 03:00 on Wednesday 19 January 2011 morning before final closure on Thursday morning. The Dam will be lowered to 66.5 mAHD (95% capacity) and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.56 mAHD and rising slowly. All gates are closed. No further gate operations are expected unless additional rainfall falls. This situation will be closely monitored whilst storms remain in the vicinity.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FOC Situation Report at 06:00 on Wednesday 19 January 2011

From: Duty Engineer <[REDACTED]>

To:

Cc:

Date: Wed, 19 Jan 2011 05:27:42 +1000

Rainfall

Severe thunderstorms passed over the Wivenhoe, Somerset and North Pine dam catchments yesterday afternoon and evening. Falls of 20mm to 30mm were recorded at isolated locations.

North Pine

A decision was made at 1900 yesterday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from yesterday's storms and ensure that Youngs Crossing remains open during the day

today. All gates were closed at 0500 today and a fish recovery operation also commenced at this time. Youngs Crossing will be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The current lake level is 39.42m AHD.

Somerset Dam

All regulators were closed at 2000 yesterday. The dam level is currently 98.95m AHD and rising slowly. Further regulator releases will take place today and again over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

The Lowood temporary pump station was relocated at 2100 yesterday. This relocation removed the need to continue high flow releases from the dam to ensure treated water supplies to Lowood are maintained. Discussions with BCC last night also concluded that tidal variations are primarily back to normal patterns and having a greater impact on the foundation conditions of Coronation Drive than the tapering of releases from the dam. Accordingly the radial gate close down sequence recommenced at 21:45 last night and all gates will be closed by 1600 today. The dam level when the last gate is closed will be around 66.90m AHD and a fish recovery operation will continue through most of the day during the close down sequence. Releases will continue through the regulator cone valve and possibly the Mini-Hydro (depending on when it can be re-started) to account for ongoing base-flow once all radial gates are closed.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy. A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggili is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- * Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
- * Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight.
- * Water should be clear of Colleges Crossing tomorrow.
- * It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later today. The earliest that Twin Bridges would be clear of water is late this afternoon.

John Tibaldi

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Situation Report 1345 Wednesday 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Date: Wed, 19 Jan 2011 13:45:16 +1000

Rainfall

No significant rainfall has been recorded in Wivenhoe, Somerset and North Pine dam catchments since 0900 Thursday. The forecast rainfall indicates that falls between 15 to 25mm with isolated heavier falls to 50mm are expected in the next 24 hours.

North Pine

A decision was made at 1900 Wednesday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from Wednesday's storms and ensure that Youngs Crossing remains open during the day Thursday. All gates were closed at 0500 Thursday and a fish recovery operation also commenced at

this time. Youngs Crossing was expected to be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The lake level was 39.43m AHD at 0700.

Somerset Dam

All regulators were closed at 2000 Wednesday. The dam level was 99.00 m AHD at 0700 Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 m AHD at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

All gates were closed at Wivenhoe at 1200 Thursday, with the dam level at 66.89m AHD at 1300. Following fish recovery and inspections, minor ongoing releases will be made for through the centre gate to account for ongoing small inflows. It is intended to drain down to 95%, approximately 66.5 m AHD.

Wivenhoe Dam peaked at 74.97 m AHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- * Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
- * Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight.
- * Water should be clear of Colleges Crossing tomorrow.
- * It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Thursday.

The Flood Operations Centre is now closed and control of the dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

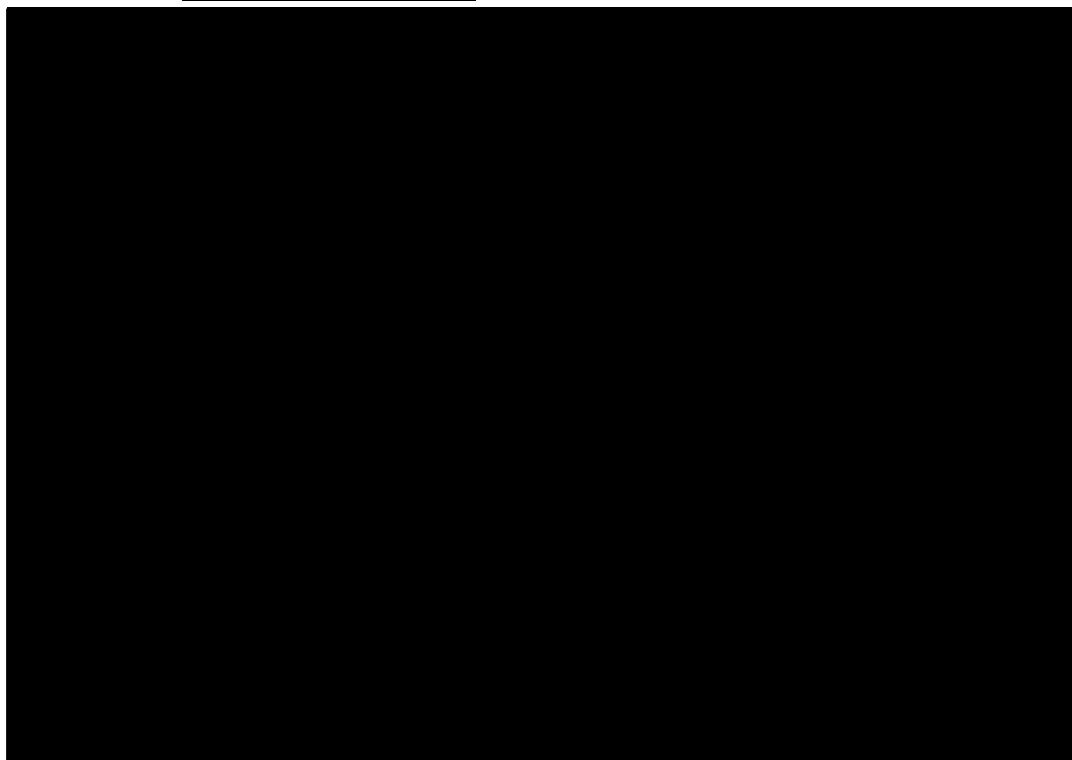
Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

Recall: Situation Report 1345 Wednesday 2011

From: Duty Engineer <[REDACTED]>

To:



Date: Wed, 19 Jan 2011 13:50:52 +1000

Duty Engineer would like to recall the message, "Situation Report 1345 Wednesday 2011".

Situation Report 1400 Wednesday 19 January 2011

From: Duty Engineer <[REDACTED]>

To: [REDACTED]

Date: Wed, 19 Jan 2011 13:57:01 +1000

Rainfall

No significant rainfall has been recorded in Wivenhoe, Somerset and North Pine dam catchments since 0900 Wednesday. The forecast rainfall indicates that falls between 15 to 25mm with isolated heavier falls to 50mm are expected in the next 24 hours.

North Pine

A decision was made at 1900 Tuesday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from Tuesday's storms and ensure that Youngs Crossing remains open during the day Wednesday. All gates were closed at 0500 Wednesday and a fish recovery operation also commenced

at this time. Youngs Crossing was expected to be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The lake level was 39.43m AHD at 0700.

Somerset Dam

All regulators were closed at 2000 Tuesday. The dam level was 99.00 m AHD at 0700 Wednesday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

All gates were closed at Wivenhoe at 1200 Wednesday, with the dam level at 66.89m AHD at 1300. Following fish recovery and inspections, minor ongoing releases will be made for through the centre gate to account for ongoing small inflows. It is intended to drain down to 95%, approximately 66.5 m AHD.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- * Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
- * Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight.
- * Water should be clear of Colleges Crossing tomorrow.
- * It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Thursday.

The Flood Operations Centre is now closed and control of the dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
Please direct all enquiries to the message author.

FIC Duty - Floodplain Storage Attn James C

From: "Duty Engineer" [REDACTED]
 To: "Chris Lavin" [REDACTED] "Craig Logan" [REDACTED] "Don Carroll"
 [REDACTED] "Evan Caswell" [REDACTED] "Flood Information Centre"
 [REDACTED] "James Charalambous" [REDACTED] "Ken Morris"
 [REDACTED] "Robert McGlenn" [REDACTED] "Santina Pennisi"
 [REDACTED]
 Date: 19/01/2011 3:57:40 pm
 Subject: Floodplain Storage Attn James C

James

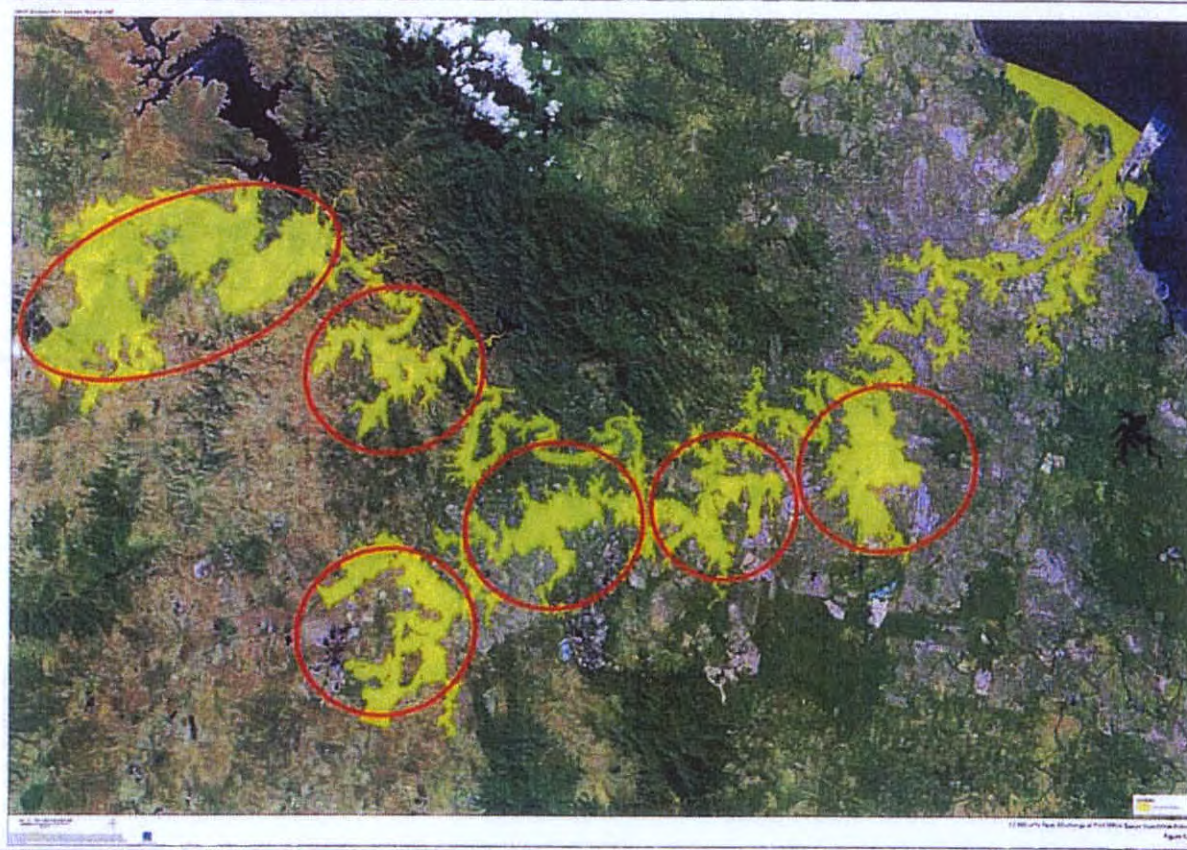
As discussed with Don, I'm interested in getting a handle on the relative size of the flood plain storages indicated on your image below.

1. Junction of Lockyer and Brisbane upstream of Savages Crossing
2. Between Savages Crossing and Mt Crosby
3. Junction of Bremer and Warill around Amberley
4. Immediately upstream of Ipswich
5. Downstream of Bremer and Brisbane, and
6. Junction of Brisbane and Oxley Ck around Rocklea

This flood was higher than 1974 at Savages Crossing but about 1 metre lower at Mt Crosby and this difference seems to be similar all the way down to the City gauge.

Regards

Terry



Duty Engineer
 Flood Operations Centre

Phone: [REDACTED]

Fax: [REDACTED]

Important information: This email and any attached information is intended only for the addressee and may contain confidential and/or privileged information. If you are not the addressee, you are notified that any transmission, distribution, or other use of this information is strictly prohibited. The confidentiality attached to this email is not waived, lost or destroyed by reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

This message has passed through an insecure network.
 Please direct all enquiries to the message author.