

Our ref: Doc 1847481

7 February 2012

Attn: Mr Michael Illot and Ms Katherine Hayes
Allens Arthur Robinson
PO Box 7082
Riverside Centre
Brisbane QLD 4001

Dear Mr Illot and Ms Hayes

Potential recipient of Requirement

Earlier today Ms Chloe De Marchi attended at the Commission's office with Ms Hayes for an interview with Kerri Mellifont SC and Julian Ensbey of the Commission.

In that interview Ms De Marchi was asked about an Excel document entitled "Event Log_Chloe Ver" that contains hidden rows. Ms De Marchi indicated that although she was involved in editing that document, she did not recall hiding all of the rows that were hidden. A copy of the transcript of the interview will be provided. A hard copy of the "Chloe_Ver" document is attached. We also attach a print out of the document which contains row numbers in the left hand column. You will be able to discern the rows to which it appears the "hide" function was applied from the gaps in the sequencing of row numbers.

The Commission is considering issuing a Requirement or Requirements to any other person who had any role whatsoever in the editing of the document, including those persons who actually edited the document or who gave directions to another to edit the document. By "editing" we mean any changes to the document whatsoever, whether it be as to content, format or appearance, including deletion and or applying the "hide" function to anything within the document. Please identify the names of all such persons and their role by 10:00 am on 8 February 2012.

If you have any questions or concerns, please do not hesitate to contact Mr Julian Ensbey on [REDACTED]

Yours sincerely

[REDACTED]

Kyla Hayden
Executive Director

QFCI

Date: 11/2/12 JM

Exhibit Number: 1144

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DATE	TIME	ACTION	CATEGORY	INITIALS
	8:00 AM	SDWD Model Updated - SDWD-201101060800.xls	Model Run	JW
	8:00 AM	NPD model updated - NPD-201101060800.xls	Model Run	JW
	8:30 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
	1:32 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
	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	JW
	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
	6:57 PM	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.	Correspondence	NGA
	7:45 PM	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'ed.	Correspondence	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
	7:00 AM	TM and LVB commenced day shift.	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	JW
	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 Levin (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	Model Run	JW
	12:00 PM	SDWD Model Updated - SDWD-201101071200.xls	Model Run	JW
	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
	6:00 PM	SDWD Model Updated - SDWD-201101071800.xls	Model Run	JW
	7:55 AM	Agg Dagan from Somerset Dam rang enquiring on Somerset's strategy. RA advised possibly opening a gate later today.	Correspondence	AN
	8:10 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-201101090900.xls	Model Run	JW
	9:00 AM	Agg Dagan (Somerset Dam) rang to advise he is going into Kilooy to see the treatment plant and will be off-site for a couple of hours.	Correspondence	AN
	10:00 AM	NPD model updated - NPD-201101091000.xls	Model Run	JW
	10:50 AM	Rob Drury rang. RA advised current status and strategy.	Correspondence	AN
	11:30 AM	Ken Morris (BCC) rang asking about combined flows down the Brisbane River (Wivenhoe, Warrib 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-201101091500.xls	Model Run	JW
	3:00 PM	SDWD Model Updated - SDWD-201101091500.xls, SDWD-201101091500-Forecast/2hrs.xls	Model Run	JW
	6:50 AM	Rob Drury rang. JT advised Rob on current release strategy based on recent heavy overnight rainfall.	Correspondence	NGA
	7:00 AM	SDWD Model Updated - SDWD-201101090700.xls	Model Run	JW
	8:40 AM	TM called BoM regarding advice received that widespread rain was expected to continue in the catchment areas over the next 24-48 hours.	Correspondence	NGA
	9:00 AM	SDWD Model Updated - SDWD-201101090900.xls	Model Run	JW
	9:00 AM	NPD model updated - NPD-201101090900.xls	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	NGA
	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
	3:00 PM	NPD model updated - NPD-201101091500.xls	Model Run	JW
	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 Levin (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 20.660 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
	5:58 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

DATE	TIME	ACTION	CATEGORY	INITIALS
Monday, 10 January 2011	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-201101091900rain.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 2 and two are at increment 1. The two at increment 1 are currently being raised to increment 2 (next few minutes).	Correspondence	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
	9:10 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 A/H contact to floodroom. Kiosk caretaker at Colleges Crossing is being evacuated. Contact Number for DTMR: Ron Hemle	Correspondence	BS
	10:00 PM	SDWD Model Updated - SDWD-201101092200withrain.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 China Gully approach to Fernvale Bridge. Esk police are on site and are considering placing road closure signs in Fernvale. Rob Tilmarsh 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-201101100100withrain.xls	Model Run	JW
	1:00 AM	RA called Ray Balfinger (Somerset Dam) regarding purported dam stability issues (via Tony Trace - two reports received). Ray confirmed that inspection had revealed no issues.	Correspondence	BS
	3:00 AM	SDWD Model Updated - SDWD-201101100300withrain.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-201101100500withrain.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 8:00 am.	Correspondence	BS
	6:00 AM	Send out situation report for this morning.	Correspondence	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
	8:38 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 emits 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 \$7m). 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 QFF - 100mm in Brisbane and 150mm North Pine catchment	Other	LVB
	10:15 AM	Received phone call from Mike Shetland (EMQ) and Supt Alistair 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
	1:00 PM	SDWD Model Updated - SDWD-201101101300withrain.xls	Model Run	JW
	12:02 PM	Spoke with Peter Burrows (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 @ No answer.	Correspondence	LVB
	4:00 PM	NPD model updated - NPD-201101101600.xls	Model Run	JW
	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	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	SDWD Model Updated - SDWD-201101101700withrain.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
	5:08 PM	Get weather update from BoM - the forecast now is - still more of the same of what we had today.	Other	LVB
	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
	7:30 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-201101102000withrain.xls, SDWD-201101102000-Lockyer.xls, SDWD-201101102000-TMinfo.xls	Model Run	JW
	20:00 PM	Peter Baddley (BoM) called to advise of situation regarding flows in Lockyer. Estimated very heavy localised rainfall (eg. 600mm in few hours) on Toowoomba escarpment to cause observed flood flooding. Will monitor via Glenore Grove gauging station.	Correspondence	JW

DATE	TIME	ACTION	CATEGORY	INITIALS
Tuesday, 11 January 2011	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 H/W to rise above 74 mAHd briefly.	Correspondence	JW
	21:30 PM	Provided Boyd Wilson (ICC) with situation update.	Correspondence	JW
	20:20 PM	Spoke to Peter Baddley (BoM) regarding reducing Wivenhoe release to accommodate peak of Lockyer flash flood.	Correspondence	JW
	11:20 PM	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	JW
	12:00 AM	SDWD Model Updated - SDWD-201101110000withnraln.xls	Model Run	JW
	12:00 AM	NPD 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 toneless.	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-201101110300withnraln.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
	5:15 AM	Spoke to Peter Baddley (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
	7:00 AM	SDWD Model Updated - SDWD-201101110700withnraln.xls	Model Run	JW
	7:00 AM	NPD model updated - NPD-201101110700.xls	Model Run	JW
	7:20 AM	TM called Peter Borrowes 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 Baddley 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 Baddley that Wivenhoe will ramp up to a minimum release of 3700m3/s.	Correspondence	DP
	7:59 AM	JT called Peter Borrowes (Seqwater) and advised that releases from Wivenhoe will reach 3700m3/s at a minimum, and BoM has been informed. Likely to affect Moggi 24 hours later. Phone call terminated due to bad connection.	Correspondence	DP
	8:01 AM	Peter Borrowes 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 Allan 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	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 Borrowes (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
	9:09 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 Gympie 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 based 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 40.490mAHd. 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-201101111000withnraln.xls	Model Run	JW
	11:01 AM	Message received by JT. Kfcoy 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 Borrowes (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 mAHd. Water level rising slowly. All gates now at setting 14.	Correspondence	DP
	11:38 AM	TM called BoM. Unable to contact Peter Baddley. 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	DP
	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
	12:04 PM	Brett (North Pine Dam) called to report lake level at EL 40.853 mAHd. Gates are currently set at setting 16.	Correspondence	DP
	12:10 PM	Kim Heng called from FOC satellite phone. Made contact with Somerset and North Pine. Connection issues with Landline to Wivenhoe.	Correspondence	DP
	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 40.950mAHd and rising. Gate settings at 17.	Correspondence	DP
	12:42 PM	Mike Morrison from Redlands shire requesting information for Leslay 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
	1:02 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 41.105mAHd. Gates currently at setting 19.	Correspondence	DP
	1:56 PM	Rob Drury requesting status update.	Correspondence	DP
	2:00 PM	SDWD Model Updated - SDWD-201101111400withnraln.xls	Model Run	JW
	2:24 PM	Cherlyn Wivenhoe SEQWater called to pass on message. Phil Wilson (Qld fire rescue) called to enquire about Wivenhoe Releases. Unable to call at this stage.	Correspondence	DP
	2:37 PM	Peter Borrowes (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
	3:49 PM	Peter Baddley & Jimmy Stewart had a conference with JT, JR, TM and RA about current release strategy and possible maximum release scenario of 10000m3/s. This would be of a similar magnitude to the 1693 event (-8.35m 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
	4:29 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
	4:46 PM	Dave Roberts called to request update in inflow/outflow of Wivenhoe Dam.	Correspondence	DP

DATE	TIME	ACTION	CATEGORY	INITIALS
Wednesday, 12 January 2011	5:00 PM	SDWD Model Updated - SDWD-20110111700w/withrain.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
	5:22 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-20110111800.xls, NPD-20110111800 Final.xls	Model Run	JW
	6:00 PM	SDWD Model Updated - SDWD-20110111800w/withrain.xls	Model Run	JW
	6:04 PM	Glen Patterson called to advise he is unable to reach Lake MacDonald 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
	6:36 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
	6:55 PM	Daryl Hickey informed that tailwater gauge appears to be OCA. Confirmed by TM.	Correspondence	JW
	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	AN
	7:10 PM	Brett Schultz at NPD rang is concerned that the level is dropping too fast.	Correspondence	AN
	7:30 PM	Doug Grigg (Wivenhoe Dam) called to report that Wivenhoe Level 74.97mAHD 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 Baddley 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 179 Turbot Street. Chris said to email 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 179 Turbot Street).	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
	8:35 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 Shallcross rang. Rob Ayre advised that Energex will be cutting power to the CBD 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 40.67mAHD. 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
	9:05 PM	TM rang Chris Lehey (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 Shallcross 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 Haywoods Electrical lined up for tomorrow morning.	Correspondence	AN
	9:30 PM	Mal Lane (North Pine Dam) called. They are still behind in gate closures.	Correspondence	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-201101112200w/withrain.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
	10:30 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 74.94mAHD @ 10:30hrs.	Correspondence	AN
	11:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.92mAHD @ 11:00hrs.	Correspondence	AN
	11:10 PM	Rob Drury rang to request discharge from Wivenhoe when the gates are lowered to 10m. Advised 6100m3/sec.	Correspondence	AN
	11:30 PM	JW called Doug Grigg (Wivenhoe Dam) to obtain a current level. EL 74.97 Gates have been raised to 11.5m.	Correspondence	AN
	12:30 AM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.88mAHD @ 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
	2:10 AM	James Charalambous (BOC) 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
	3:30 AM	Brett Myatt (Seqwater Mt Crosby WTP) called enquiring about levels at Mt Crosby.	Correspondence	AN
	3:50 AM	RA called Chris Lehey (BoM) advising him that because inflows are not as much as earlier anticipated, the releases from Wivenhoe are less than previously suspected.	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
	4:40 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	JR called Wivenhoe Dam for the current level. Dropped 2 cm in 30 minutes.	Correspondence	AN
	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-201101120600w/withrain.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 (BOC) 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	Ulaised with Bureau regarding expected peak in lower Brisbane.	Correspondence	JW
	7:50 AM	John Thornton (SunWater) called to confirm that 179 Turbot St had power.	Correspondence	AN
	8:20 AM	Rob Drury rang enquiring current storage levels and releases. JT advised.	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
	10:20 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 Envirocom. He asked if TM can check the system.	Correspondence	KH
	11:50 AM	Peter Burrows (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	AN
	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 Baddley, 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 Yfw - Som Flood Ops manual to be forwarded to him.	Correspondence	NGA
	1:15 PM	Mathew (Wivenhoe Dam) called to report lake level: 74.79mAHD @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 39.74mAHD 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
	2:25 PM	Mathew (Wivenhoe Dam) called to report lake level: 74.81mAHD @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
	3:05 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.81mAHD @ 15:00hrs.	Correspondence	NGA
	3:30 PM	Peter Baddley (BoM) called TM to discuss re-appraisal of the expected flood peak in Brisbane. Peak now may be 5.2 metres early on Thursday 13/12/011.	Correspondence	NGA

DATE	TIME	ACTION	CATEGORY	INITIALS
Thursday, 13 January 2011	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 74.80m AHD @ 16:00hrs.	Correspondence	NGA
	4:00 PM	Brett Schultz (North Pine Dam) called to report that Siding Creek Dam is spilling at 20.560m AHD. Spillway level is 20.37m AHD.	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 74.82m AHD @ 17:00hrs.	Correspondence	NGA
	6:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.80m AHD @ 18:00hrs.	Correspondence	NGA
	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 Moggi 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 Moggi to 3,500 cumecs.	Correspondence	MT
	8:55 PM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.82m AHD @ 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
		He asked for a situation update. RA shared Wivenhoe Dam's release strategy.		
	10:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.81m AHD @ 22:00hrs. Will now report levels every 2 hours.	Correspondence	MT
	12:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.79m AHD @ 00:00.	Correspondence	MT
	1:00 AM	James (BCC) called FOC to enquire if Wivenhoe Dam has been compromised. JR assured him that that is not the case.	Correspondence	MT
	1:05 AM	RA called BoM hotline number to check communications.	Correspondence	MT
	1:10 AM	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 74.765m AHD @ 2:00hrs.	Correspondence	MT
	4:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.74m AHD @ 4:00hrs. Will now report levels every 2 hours.	Correspondence	MT
	6:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.71m AHD @ 6:00hrs. Will now report levels every 2 hours.	Correspondence	MT
	6:45 AM	Peter Baddley (BoM) called to inform that BoM has lost their telephone system. He provided 2 contact numbers: 3229-2964 & 3221-1580. Thornton St 4.45m Telemeter 4.20m	Correspondence	MT
	7:30 AM	Agg Dagan has been advising Kicoy 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 Sequwater.	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
	1:00 PM	Tony Jacobs rang to enquire about Kicoy 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 Kicoy 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 Ross, MBRC. Advice as follows: * damage to Gympie 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
	3:50 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
	7:37 PM	John Thornlon 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
Friday, 14 January 2011	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 (Femvale) 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 to confirm that Somerset was recently inspected and all was ok.	Correspondence	DP
	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. Lake Kurungbah level is 20.43 m.	Correspondence	DP
	5:28 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 Borrows phoned the FOC. TM discussed with Peter Borrows the release strategy from Wivenhoe Dam with a view to opening the Femvale 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 Keogh (SunWater) transmitted a message via Daryl Brigidon (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	Ali Cameron from DERM phoned TM. Re: Gauging exercise at Jindalee:- Soundtek M9 from boat (6 passes) Jindalee gauging result:- 4,300m ³ /sec at 6:45 metres AHD at 12:00 hrs	Correspondence	NGA
	12:37 PM	Peter Borrows rang TM. Discussion about mis-informed reporting.	Correspondence	NGA
	1:45 PM	TM rang Ken Morris at BCC seeking clarification on BCC's flood mapping. Ken Morris advised that at 3,500 cumecs, BCC records indicate that 220 properties will have water on the property. TM confirmed that water on the property did not mean water above floor level. i.e. Likely to be land inundation only.	Correspondence	NGA
	1:53 PM	Rob Drury rang TM. Routine call. Update on current status.	Correspondence	NGA
	2:45 PM	Rob Drury rang TM. Routine call. Update on current status.	Correspondence	NGA

DATE	TIME	ACTION	CATEGORY	INITIALS
	3:30 PM	Matthew O'Reilly rang from Wivenhoe Dam with concerns about some 'swirling' apparent in the downstream tailwater opposite 'The Common'. Matthew thought there could be some erosion occurring under the flow. Matthew forwarded a marked photo of the phenomenon to TM. The consensus reached was that the phenomenon was the result of an 'hydraulic jump'. The matter would be referred to John Tibaldi for further investigation.	Correspondence	NGA
	3:55 PM	TM rang John Tibaldi to discuss the 'swirling' phenomenon identified by Matthew O'Reilly. Effect is at O/S end of plunge pool and is almost certainly a 'hydraulic jump'. JT advised the issue was not of concern unless the phenomenon moves toward the flip bucket.	Correspondence	NGA
	4:05 PM	TM phoned Matthew O'Reilly at Wivenhoe Dam to pass on advice that John Tibaldi had no concerns about the 'hydraulic jump' phenomenon identified by him earlier today.	Correspondence	NGA
	4:50 PM	Brett Myatt phoned the FOC. TM advised Brett that the current release strategy from Wivenhoe Dam (and therefore flows past the Mount Crosby WTPs) would be maintained until at least Monday (17/1).	Correspondence	NGA
	5:50 PM	Rob Drury rang John Tibaldi enquiring when the bridges to the east of Lake Wivenhoe would be clear of floodwater. JT advised all but the Sandy Ck - A&M Conroy Bridge on the Wivenhoe Somerset Rd would be clear by tomorrow (Sat) morning.	Correspondence	NGA
	7:00 PM	FOC change over.	Other	KH
	8:40 AM	Rob Drury rang. Terry advised strategy to possibly go below FSL at Wivenhoe by Thursday.	Correspondence	AN
	8:42 AM	Peter Burrows rang to advise that the media come into the FOC today to take photos.	Correspondence	AN
	11:30 AM	Rob Drury rang to request a summary of the Operations Manual for Wivenhoe. Terry to provide after checking with all duty engineers.	Correspondence	AN
	12:12 PM	Rob Drury rang to advise of a phone hook-up with the Minister and Peter Burrows at 2:00pm, and requested that RA be in at the FOC at that time.	Correspondence	AN
	12:20 PM	Peter Burrows rang to confirm a phone hook-up with the Minister and Peter Burrows at 2:00pm.	Correspondence	AN
	12:55 PM	Terry Malone advised Rob Ayre to come into the FOC for the phone hook-up at 2:00pm.	Correspondence	AN
	13:10 AM	Peter Allen phoned about the Wivenhoe Flood manual summary. Terry Malone told Peter that the summary is with the other duty engineers for checking before issuing.	Correspondence	AN
	1:15 PM	Rob Drury rang with some questions on the Wivenhoe Flood manual summary.	Correspondence	AN
	1:45 PM	Rob Ayre and John Tibaldi arrived at the FOC for the 2:00pm phone hook-up.	Correspondence	AN
	2:00 PM	Phone hook-up with TM, RA, JT with Rob Drury, Peter Allen, Peter Burrows, Joh Bradley and Bob Reilly to discuss a report for the minister by COB Sunday.	Correspondence	AN
	5:00 PM	Rob Drury arrived to help write report for minister briefing.	Correspondence	AN
	7:30 PM	Doug from Wivenhoe called to discuss strategy for the next 12 hours.	Correspondence	DP
	4:12 AM	Called Doug at Wivenhoe to confirm directive received via email. Directive being actioned ASAP.	Correspondence	DP
	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
	8:20 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
	9:40 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) 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
	12:30 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 Shaltcross 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 Shaltcross 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
	4:00 PM	Directive #47 implemented - Gate 2 opened to 7.0 m.	Correspondence	BS
	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
	10:00 PM	Doug Grigg (Wivenhoe Dam) called to inform 3 floor panels missing from bulks.	Correspondence	MT
Monday, 17 January 2011	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 Layin 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 75m ³ /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
	2:15 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
	4:15 PM	Jm from BOM - they have not received manual observations for days.	Correspondence	LVB
Tuesday, 18 January 2011	12:30 AM	Peter Burrows called to inform that rapidly dropping water level at Lowood was causing issues with pumping for WTP. Asked if FOC could call John Granzen and then notify him via txt of the outcome.	Correspondence	JW
	12:35 AM	FOC contacted John Granzen 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
	1:00 AM	Txt message sent to Peter Burrows 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 Granzen 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
	7:25 AM	Doug Grigg (Wivenhoe) called to advise that Surveyor Bill Hewitt is taking a routine deformation survey.	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
	8:25 AM	Matthew O'Reilly (Wivenhoe) called to acknowledge Directive 55.	Correspondence	KP

DATE	TIME	ACTION	CATEGORY	INITIALS
	10:10 AM	Rob Townsley (SEQWater at Mt Crosby Phone) 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
	12:26 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
	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
	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	NQA
	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	NQA
	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	NQA
	7:05 PM	Neville Abbott phoned Rob Drury to provide an update on the NPD mobilisation and proposed gate openings.	Correspondence	NQA
	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	NQA
	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	NQA
	7:15 PM	JT phoned Cynthia Crane (Seqwater) regarding JT's inability to access Citrix. Outage (?). Message left.	Correspondence	NQA
	7:15 PM	JT phoned Rob Drury regarding Citrix comms outage. Message left requesting RD to intervene to have the problem fixed.	Correspondence	NQA
	7:20 PM	Lief from IT (Seqwater) rang and 'reset' Citrix for JT.	Correspondence	NQA
	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	NQA
	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	NQA
	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	NQA
	7:45 PM	JT phoned Mick Drews (Seqwater) seeking info Re: Lowood. Mick referred JT to Daniel Roche.	Correspondence	NQA
	7:50 PM	JT phoned Daniel Roche. - reportedly on site at Lowood PS. No answer. Message left.	Correspondence	NQA
	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	NQA
	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	NQA
	8:00 PM	Mark Millman (Seqwater - IT) phoned JT to check status of Citrix connection. Citrix connection is functioning.	Correspondence	NQA
	8:05 PM	Agg Dagan phoned from Somerset Dam. Current lake level is EL 68.95 Unchanged from lake level at 15:35 today.	Correspondence	NQA
	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	NQA
	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	NQA
	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	NQA
	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	NQA
	8:18 PM	Rob Drury rang the FOC to seek an update on operations at all 3 storages.	Correspondence	NQA
	8:25 PM	JT confirmed on-site manning arrangements at Lowood with Graham Keegan.	Correspondence	NQA
	8:30 PM	Somerset Dam operator advised FOC by fax that Regulator #12 had been closed as per verbal advice from JT.	Information	NQA
	8:35 PM	JT contacted Doug G. at Wivenhoe. Gate closing directive pending.	Correspondence	NQA
	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	NQA
	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, Youngs Crossing Road should be able to be re-opened to traffic by 7:00am tomorrow.	Correspondence	NQA
	9:05 PM	Note: Wivenhoe Dam fax machine is still inoperative	Correspondence	NQA
	9:08 PM	JT phoned Murray Dunstan to advise of planned gate opening of NPD this evening. Closure is	Correspondence	NQA

DATE	TIME	ACTION	CATEGORY	INITIALS
Wednesday 19/01/2011	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 Abitt 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
	9:38 PM	Neville Abitt 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
	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 far end of 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
	5:30 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 - S&B 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
	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 increased flows in Lockyer Creek and Middle Brisbane R.	Correspondence	RA
	7:40 AM	RA called Chris Levin at BCC and advised of increased flows in Lockyer Creek and Middle 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
	8:45 AM	John West called (re Lowood pump station) enquiring time to peak (height and discharge). FOC response was about 9 hours with height of about 3.7 m corresponding to 300 cumecs.	Correspondence	KH
	8:50 AM	John West called (re Lowood pump station) enquiring current height and discharge. Together we estimated that it was about 150 cumecs (50 from Lockyer Creek and 100 from Wivenhoe Dam) corresponding to about 2.4 m.	Correspondence	KH
	9:45 AM	Rob Drury advised Wivenhoe will not be drained to 66.5 m AHD, but will be maintained at or just below FSL.	Correspondence	KH
	10:21 AM	Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
	10:30 AM	Rob Drury called enquiring whether closing all releases in Wivenhoe Dam will cause level to exceed gate trigger in the next three days. RA advised that with rain on the ground he expects it not to, however forecast as per QPF is 15-25 mm, so we may need to review that decision tomorrow.	Correspondence	KH
	11:12 AM	Toni Martini (MBRC) called. RA advised all gates will be closed at 2:00 PM.	Correspondence	KH
	11:14 AM	RA phoned Murray Dunstan. They decided to close NPD by 2pm to allow MBRC to open Young's Crossing for afternoon peak.	Correspondence	KH
	11:15 AM	John West called enquiring peak height and discharge at Lowood with Wiv Dam gates closed. We decided to just minus 100 cumecs from previous estimation. He also wants FOC to email him the Lowood rating curve.	Correspondence	KH
	11:33 AM	RA called Mal (re Directive 36)	Correspondence	KH
	11:36 AM	RA called TM. TM will monitor situation overnight and RA will become Duty Eng again tomorrow.	Correspondence	KH
	11:44 AM	Paul Bird (SEQWater) called to confirm whether we have closed all gates at Wivenhoe Dam. KH said yes.	Correspondence	KH

	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
12					
14		8:00 AM	SDWD Model Updated - SDWD-201101060800.xls	Model Run	JW
15		8:00 AM	NPD model updated - NPD-201101060800.xls	Model Run	JW
16		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
18		8:50 AM	Andy Bickerton (MBRC) called to query about flows are Fernvale bridge. TM provided an update for possible gate operations.	Correspondence	MT
19		9:05 AM	Glen Paterson called to inform that North Pine Dam staff have been rostered and are ready.	Correspondence	MT
20		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
21		11:00 AM	Tony Trace (Ipswich City Council (ICC)) called for a situation update. TM shared the release strategy for tonight.	Correspondence	MT
22		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
23		12:00 PM	SDWD Model Updated - SDWD-201101061200.xls	Model Run	JW
24		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
25		12:43 PM	Andy Bickerton (MBRC) called. TM advised that water will be over Savages Crossing until end of the week.	Correspondence	MT
26		12:46 PM	TM advised Ken Marsh (BCC) Wivenhoe Dam will commence gate operations later today.	Correspondence	MT
27		1:32 PM	TM left message for Tony Jacobs (SRC) to return his call.	Correspondence	MT
28		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
29		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
30		1:46 PM	TM left message for Chris Levin (BCC) to return his call.	Correspondence	MT
31		1:47 PM	TM left message for Ken Morris (BCC) to return his call.	Correspondence	MT
32		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
33		2:45 PM	Ken Morris (BCC) called for situation update. TM provided an update.	Correspondence	MT
34		3:00 PM	SDWD Model Updated - SDWD-201101061500.xls	Model Run	JW
35		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
36		3:19 PM	Kerry (MBRC) called. TM advised her North Pine Dam will commence gates operations from 19:00 hrs.	Correspondence	MT
37		4:00 PM	SDWD Model Updated - SDWD-201101061600.xls	Model Run	JW
38		4:00 PM	NPD model updated - NPD-201101061600.xls	Model Run	JW
39		5:30 PM	Issued North Pine Directive #1. • Gate C : Open 1 increment at 1600 • 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
40		6:57 PM	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.	Correspondence	NGA
41		7:45 PM	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'ed.	Correspondence	NGA
42		9:00 PM	NPD model updated - NPD-201101062100.xls	Model Run	JW
43		9:00 PM	SDWD Model Updated - SDWD-201101062100.xls	Model Run	JW
44		7:00 AM	TM and LVB commenced day shift.	Other	LVB
45		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
46		8:00 AM	NPD model updated - NPD-201101070800.xls	Model Run	JW
47		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
48		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
49		8:44 AM	Called Chris Levin (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
50		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
51		10:12 AM	Called Robert Glen (BCC) to provide situation report.	Correspondence	LVB
52		12:00 PM	NPD model updated - NPD-201101071200.xls	Model Run	JW
53		12:00 PM	SDWD Model Updated - SDWD-201101071200.xls	Model Run	JW
54		3:02 PM	Don Carroll (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
55		6:00 PM	SDWD Model Updated - SDWD-201101071800.xls	Model Run	JW
56		7:55 AM	Agg Dagan from Somerset Dam rang enquiring on Somerset's strategy. RA advised possibly opening a gate later today.	Correspondence	AN
57		8:10 AM	RA advised Mathew O'Reilly (Wivenhoe Dam) on directive #4 and discussed strategy.	Correspondence	AN
58		8:20 AM	RA rang Brett Schultz (North Pine Dam) and advised on strategy.	Correspondence	AN
59		9:00 AM	SDWD Model Updated - SDWD-201101080900.xls	Model Run	JW
60		9:00 AM	Agg Dagan (Somerset Dam) rang to advise he is going into Kilcoy to see the treatment plant and will be off-site for a couple of hours.	Correspondence	AN
61		10:00 AM	NPD model updated - NPD-201101081000.xls	Model Run	JW
62		10:50 AM	Rob Drury rang. RA advised current status and strategy.	Correspondence	AN
63		11:30 AM	Ken Morris (BCC) rang asking about combined flows down the Brisbane River (Wivenhoe, Warill Creek and Bremer River). AN advised that at this stage flows would not exceed 1500m3/sec.	Correspondence	AN
64		3:00 PM	NPD model updated - NPD-201101081500.xls	Correspondence	JW
65		3:00 PM	SDWD Model Updated - SDWD-201101081500.xls, SDWD-201101081500-Forecast72hr.xls	Model Run	JW
66		6:50 AM	Rob Drury rang. JT advised Rob on current release strategy based on recent heavy overnight rainfall.	Correspondence	NGA
67		7:00 AM	SDWD Model Updated - SDWD-201101090700.xls	Model Run	JW
68		8:40 AM	TM called BoM regarding advice received that widespread rain was expected to continue in the catchment areas over the next 24 - 48 hours.	Correspondence	NGA
69		9:00 AM	SDWD Model Updated - SDWD-201101090900.xls	Model Run	JW
70		9:00 AM	NPD model updated - NPD-201101090900.xls	Model Run	JW
71		12:00 PM	SDWD Model Updated - SDWD-201101091200.xls	Model Run	JW
72		12:00 PM	RA scheduled meeting of Duty Engineers this afternoon to discuss current situation and forward release strategies.	Correspondence	NGA
73		2:00 PM	SDWD Model Updated - SDWD-201101091400.xls	Model Run	JW
74		2:00 PM	NPD model updated - NPD-201101091400.xls	Model Run	JW
75		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
76		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
77		3:00 PM	NPD model updated - NPD-201101091500.xls	Model Run	JW
78		4:00 PM	SDWD Model Updated - SDWD-201101091600.xls	Model Run	JW
79		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
80		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
81		4:25 PM	TM called Chris Levin (BCC). A message was left to phone FOC.	Correspondence	NGA
82		4:26 PM	TM called Ken Morris (BCC). A message was left to phone FOC.	Correspondence	NGA
83		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
84		5:18 PM	NA left a message with Graham Keegan (A/Ce-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
85		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
86		5:32 PM	Brett Schultz (NPD) phoned the FOC with a manual reading of EL 20.680 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
87		5:40 PM	Rob Drury phoned TM for an update on the current situation.	Correspondence	NGA
88		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
89		5:58 PM	TM called Jeff Parkins (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
90		6:00 PM	SDWD Model Updated - SDWD-201101091800.xls	Model Run	JW
91		6:00 PM	NPD model updated - NPD-201101091800.xls	Model Run	JW
92		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

	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
127		7:00 PM	SDWD Model Updated - SDWD-201101091900.xls, SDWD-201101091900rain.xls, SDWD-201101091900withrain.xls	Model Run	JW
128		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
129		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
130		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 early as midnight which is likely to have flooding impacts on low-lying areas of Brisbane.	Correspondence	BS
131		7:20 PM	TM called Don Carroll (BCC) advising him of potential for high releases sooner than previously expected.	Correspondence	BS
132		7:25 PM	Mal Lane (North Pine Dam) called to advise dam level is at 39.82m AHD, 3 gates are at increment 2 and two are at increment 1. The two at increment 1 are currently being raised to increment 2 (next few minutes).	Correspondence	BS
133		8:00 PM	SDWD Model Updated - SDWD-201101092000withrain.xls	Model Run	JW
134		8:05 PM	RA called Shara Watson (North Pine Dam) to confirm last directive is completed. All gates at increment 2.	Correspondence	BS
135		8:30 PM	Daryl 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
136		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
137		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
138		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 DITMR A/H contacts and will be contacting them in the morning. Rob will locate DITMR contacts. Confirmed volumes getting close to 1974 levels. Confirmed situation report has gone out.	Correspondence	BS
142		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
143		9:20 PM	Tony Trace (ICC) spoke with RA. Emailing DITMR A/H contact to floodroom. Kiosk caretaker at Colleges Crossing is being evacuated. Contact Number for DITMR: Ron Hemley	Correspondence	BS
144		10:00 PM	SDWD Model Updated - SDWD-201101092200withrain.xls, SDWD-201101092200-forecast24hr.xls	Model Run	JW
145		10:00 PM	NPD model updated - NPD-201101092200.xls	Model Run	JW
146		10:00 PM	JR called Wivenhoe operator (Doug Grigg) and confirmed current flooding expectations based on rainfall predictions and expected impacts.	Correspondence	BS
147		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
148		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
149		10:30 PM	Brett Myatt (Mt Crosby WTP) called and spoke with RA. He was concerned the guardrail's 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
150		10:30 PM	JR called Wivenhoe Dam operator (Doug Grigg) requesting for a visual inspection of Fernvale Bridge.	Correspondence	BS
151		10:40 PM	Doug Grigg (Wivenhoe Dam) called and discussed Fernvale Bridge situation with JR. Water was lapping the bridge girders.	Correspondence	BS
152		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
153		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
154		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
155		11:25 PM	RA spoke with Doug Grigg (Wivenhoe Dam). Water is up to the centreline of the China Gully approach to Fernvale Bridge. Esk police are on site and are considering placing road closure signs in Fernvale. Rob Timmarsh and Darren Valley (operators living in Fernvale) will be mobilised to the dam by police prior to closure.	Correspondence	BS
156		11:30 PM	JR called Tony Jacobs (SRC) and left message advising of situation.	Correspondence	BS
157		11:35 PM	RA called Ron Hemley (DITMR) and left message regarding current road closure situation.	Correspondence	BS
158		11:35 PM	JR called Andy Bickerton (SRC) and left message for call to be returned re Fernvale Bridge situation.	Correspondence	BS
159		11:38 PM	JR called Robert Bain (CEO SRC) and left message regarding Fernvale Bridge situation and requested call be returned ASAP.	Correspondence	BS
160		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
161	Monday, 10 January 2011	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 DITMR but call not yet returned.	Correspondence	BS
162		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 DITMR.	Correspondence	BS
163		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
164		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
165		1:00 AM	SDWD Model Updated - SDWD-201101100100withrain.xls	Model Run	JW
166		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
167		3:00 AM	SDWD Model Updated - SDWD-201101100300withrain.xls	Model Run	JW
171		3:00 AM	NPD model updated - NPD-201101100300.xls	Model Run	JW
172		4:10 AM	JR discussed Wivenhoe status and release strategy with Doug Grigg.	Correspondence	BS
173		5:00 AM	SDWD Model Updated - SDWD-201101100500withrain.xls	Model Run	JW
174		5:00 AM	Graham Francis called and discussed Somerset situation with RA.	Correspondence	BS
175		5:00 AM	NPD model updated - NPD-201101100500.xls	Model Run	JW
176		5:05 AM	Rob Drury called and received situation update from JR.	Correspondence	BS
177		5:20 AM	RA called BoM regarding next forecast update - due at 9:00 am.	Correspondence	BS
178		6:00 AM	Send out situation report for this morning.	Correspondence	LVB
179		7:40 AM	Talked to BoM - we are in general agreement about current flows in the Brisbane River.	Correspondence	LVB
183		8:30 AM	FOC left a message for Ken Morris (BCC) to call back.	Correspondence	LVB
184		8:38 AM	Talked to Peter Baddeley (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
186		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 \$7m). If the rainfall in the Bremner and Lockyer increases substantially - it is likely the flows from these catchments can peak at 1000m3/s (on top of Wivenhoe release).	Correspondence	LVB
197		10:03 AM	Received OPF - 100mm in Brisbane and 150mm North Pine catchment.	Other	LVB
198		10:15 AM	Received phone call from Mike Shetland (EMO) and Supt Alistair Dawson - Disaster Coordinator for this District - gave them the same information as what we gave Ken Morris before.	Correspondence	LVB
199		10:46 AM	Called Jimmy Stewart (BoM) to inform that TM can do the model and with 600m3/s in the Bremner the flows in Brisbane will go up to 3600m3/s. BoM will discuss with BCC.	Correspondence	LVB
200		11:14 AM	Tony Trace (ICC) called to clarify our strategy. Gave him the same info as above.	Correspondence	LVB
201		1:00 PM	SDWD Model Updated - SDWD-201101101300withrain.xls	Model Run	JW
202		12:02 PM	Spoke with Peter Burrows (Seqwater) to answer elaborate on Situation Report and inform him of large rainfalls currently occurring in the Wivenhoe catchment.	Correspondence	LVB
203		12:33 PM	Called BCC twice. No answer, so left messages.	Correspondence	LVB
204		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
205		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
206		2:00 PM	Send out third situation report for today.	Correspondence	LVB
207		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
208		3:00 PM	Called Disaster Coordinator, Ian Stewart @ 3247 6098. No answer.	Correspondence	LVB
209		4:00 PM	NPD model updated - NPD-201101101600.xls	Model Run	JW
210		3:15 PM	Had conference call with BoM. They agree with FOC on model discharge results. However, BoM included 6hrs of additional rain which takes the discharge to 4600m3/s.	Correspondence	LVB
211		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
212		5:00 PM	SDWD Model Updated - SDWD-201101101700withrain.xls, SDWD-201101101700with50mmrain.xls	Model Run	JW
213		5:09 PM	Agg (Somerset Dam) phoned and reported water from Wivenhoe in getting into the hydro.	Correspondence	LVB
214		6:06 PM	Get weather update from BoM - the forecast now is - still more of the same of what we had today.	Other	LVB
215		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 600mm. He was referred to Rangers.	Correspondence	LVB
216		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
217		8:00 PM	SDWD Model Updated - SDWD-201101102000withrain.xls, SDWD-201101102000-Lockyer.xls, SDWD-201101102000-TMflows.xls	Model Run	JW
218		20:00 PM	Peter Baddeley (BoM) called to advise of situation regarding flows in Lockyer. Estimated very heavy localised rainfall (eg. 600mm in few hours) on Toowoomba escarpment to cause observed flood flooding. Will monitor via Glenore Grove gauging station.	Correspondence	JW
219		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

	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
12		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
226		21:30 PM	Provided Boyd Wilson (ICC) with situation update.	Correspondence	JW
221		20:20 PM	Spoke to Peter Baddley (BoM) regarding reducing Wivenhoe release to accommodate peak of Lockyer flash flood.	Correspondence	JW
224		11:20 PM	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	JW
225	Tuesday, 11 January 2011	12:00 AM	SDWD Model Updated - SDWD-201101110000w/tnorah.xls	Model Run	JW
228		12:00 AM	NPD model updated - NPD-201101110000.xls	Model Run	JW
229		12:15 AM	Spoke to Ken Morris (BCC) to update on current release strategy.	Correspondence	JW
230		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 tonelec.	Correspondence	JW
231		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
232		3:00 AM	SDWD Model Updated - SDWD-201101110300w/tnorah.xls	Model Run	JW
233		3:15 AM	James Charalambous (BCC) has provided inundation forecast for Brisbane city to assist with devising strategy to manage Wivenhoe releases.	Correspondence	JW
234		5:15 AM	Spoke to Peter Baddley (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
237		7:00 AM	SDWD Model Updated - SDWD-201101110700w/tnorah.xls	Model Run	JW
242		7:00 AM	NPD model updated - NPD-201101110700.xls	Model Run	JW
243		7:20 AM	TM called Peter Burrows to appraise of latest situation of Wivenhoe and lower Brisbane.	Correspondence	DP
244		7:22 AM	TM called BoM to appraise of situation. BoM unable to talk and will call back.	Correspondence	DP
246		7:35 AM	Peter Baddley 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
247		7:51 AM	Called Matthew O'Reilly (Wivenhoe Dam) advised that gates opening at Wivenhoe are imminent.	Correspondence	DP
248		7:56 AM	TM called BoM. Advised Jimmy Stewart and Peter Baddley that Wivenhoe will ramp up to a minimum release of 3700m3/s.	Correspondence	DP
249		7:59 AM	JT called Peter Burrows (Seqwater) and advised that releases from Wivenhoe will reach 3700m3/s at a minimum, and BoM has been informed. Likely to affect Moggi 124 hours later. Phone call terminated due to bad connection.	Correspondence	DP
250		8:01 AM	Peter Burrows 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
252		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
253		8:09 AM	Advised Matthew (Wivenhoe Dam) that Wivenhoe Directive was coming through in a matter of minutes.	Correspondence	DP
254		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
255		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
256		8:15 AM	JT called Rob Drury to advise of the situation that Wivenhoe will increase to 3700m3/s at a minimum.	Correspondence	DP
258		8:16 AM	TM called SRC and left a message.	Correspondence	DP
259		8:20 AM	JT called Matthew (Wivenhoe Dam) and advised more gate opening directives are coming.	Correspondence	DP
260		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
261		8:25 AM	JT called Brett Schultz (North Pine Dam). Verbal directive to open gates, faved directive to follow before 9am.	Correspondence	DP
262		8:50 AM	Peter Burrows (Seqwater) called TM mobile requesting 'worst case' scenario.	Correspondence	DP
263		8:50 AM	Doug from Wivenhoe called informing that Wivenhoe has lost power, high voltage fuse blown. Hydro outlet is shut off.	Correspondence	DP
264		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
266		9:12 AM	Brett called. NPD at 40 140 m HAD all gates at 6, currently heading to setting 7.	Correspondence	DP
267		9:13 AM	Energex called. All incoming power has been lost at Wivenhoe.	Correspondence	DP
268		9:16 AM	JT called Tony Martin and left message. Very large inflows into North Pine Dam has resulted in steep gate openings. Flood downstream can be expected.	Correspondence	DP
269		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 Gympie Rd) to be flooded within next hour.	Correspondence	DP
270		9:21 AM	Agg from Somerset called TM. Water ingress through doors at the bottom of dam.	Correspondence	DP
271		9:22 AM	JT advised Brett (NPD) that Strathpine Rd is expected to be closed.	Correspondence	DP
272		9:26 AM	JT advised Brett verbally that all gates can go to 9 increments based on water level as per manual.	Correspondence	DP
273		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
274		9:51 AM	Voicemail: Jo Misner left message. He's contacted Energex and Energex suspect a dirty feed. Currently all heli-copters are grounded. Garry Ludlow is lead at Mt Crosby. Energex will get as close as they can and get heli-copter lift when possible.	Correspondence	DP
275		10:00 AM	NPD model updated - NPD-201101111000.xls	Model Run	JW
276		10:25 AM	Brett (North Pine Dam) called to report Lake level at EL 40 490mAHd. All gates currently at setting No. 10.	Correspondence	DP
277		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
278		10:45 AM	JT advised MBG (Ed Hamold) of current situation.	Correspondence	DP
279		10:54 AM	Rob Drury called. Bad line and disconnected.	Correspondence	DP
280		11:00 AM	SDWD Model Updated - SDWD-201101111100w/tnorah.xls	Model Run	JW
281		11:01 AM	Message received by JT. Koooy police rang Somerset. JT advised general status information to be provided by dam operators, predictions to go through FOC.	Correspondence	DP
282		11:02 AM	Peter Burrows (Seqwater) requested update on situation.	Correspondence	DP
283		11:04 AM	JT called Doug (operator). Discussed that if forecast rain falls, fuse plug likely to go.	Correspondence	DP
284		11:06 AM	FAX not working at Wivenhoe.	Other	DP
285		11:07 AM	Jimmy Stewart (BoM) called. Inflow into NPD of 1500cumecs. Advised Wivenhoe strategy to be revised.	Correspondence	DP
286		11:17 AM	Barton called TM - on the way to talk to Grid Manager. TM advised current strategy is 3 hourly.	Correspondence	DP
287		11:19 AM	JT called Ed Hamold. Advised North Pine still rising. Current releases to exceed 2000cumecs.	Correspondence	DP
288		11:30 AM	Brett (North Pine Dam) called to report lake level EL 40 740 mAHd. Water level rising slowly. All gates now at setting 14.	Correspondence	DP
289		11:38 AM	TM called BoM. Unable to contact Peter Baddley. Will call back.	Correspondence	DP
290		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
291		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	DP
292		11:56 AM	JT called Ed Hammon and left message again. Outflow will exceed 2000cumecs.	Correspondence	DP
293		11:57 AM	JT called Elnaz Davidson. Left message. North Pine Dam outflow likely to exceed 2000cumecs.	Correspondence	DP
294		11:59 AM	JT called Tony Martin. Left message. Outflow from North Pine Dam will exceed 2000cumecs.	Correspondence	DP
295		12:04 PM	Brett (North Pine Dam) called to report lake level at EL 40 883 mAHd. Gates are currently set at setting 16.	Correspondence	DP
297		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
298		12:17 PM	Tony Martin called. TM advised discharge in excess of 1939 flood (1500cumecs). Current releases in excess of 2000cumecs.	Correspondence	DP
300		12:30 PM	Brett (North Pine Dam) called to report lake level is now at EL 40 950mAHd and rising. Gate settings at 17.	Correspondence	DP
301		12:42 PM	Mixie Morrison from Redlands shire requesting information for Lesley Harrison. Was told to call Craig Duncan.	Correspondence	DP
302		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
303		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
306		1:26 PM	Peter Burrows (Seqwater) called and requested the FOC request the BoM to consider if Wivenhoe is releasing 5000cumecs.	Correspondence	DP
307		1:44 PM	Jeff (North Pine Dam) called on Satellite phone to confirm it is operational.	Correspondence	DP
308		1:50 PM	Brett Schultz (North Pine Dam) called to report lake level at EL 41 105mAHd. Gates currently at setting 19.	Correspondence	DP
311		1:56 PM	Rob Drury requesting status update.	Correspondence	DP
312		2:00 PM	SDWD Model Updated - SDWD-201101111400w/tnorah.xls	Model Run	JW
316		2:24 PM	Cherlyn Wivenhoe SEQWater called to pass on message. Phil Wilson (Old fire rescue) called to enquire about Wivenhoe Releases. Unable to call at this stage.	Correspondence	DP
318		2:37 PM	Peter Burrows (Seqwater) called to discuss current situation.	Correspondence	DP
319		2:46 PM	Brett Schultz (North Pine Dam) called to report lake level steady at 41 110 for last 30 minutes.	Correspondence	DP
320		2:53 PM	North Pine Dam is isolated as per conversation with Brett.	Correspondence	DP
321		3:00 PM	NPD model updated - NPD-201101111500.xls	Model Run	JW
322		3:06 PM	Stan Stevenson (Seqwater) called to enquire about the current release rate from Wivenhoe Dam.	Correspondence	DP
323		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
324		3:49 PM	Peter Baddley & Jimmy Stewart had a conference with JT, JR, TM and RA about current release strategy and possible maximum release scenario of 10000m3/s. This would be of a similar magnitude to the 1693 event (~8.6m in Brisbane Port Office).	Correspondence	DP
325		3:54 PM	Stan Stevenson (Seqwater) called and talked to JT regarding current inflow strategy.	Correspondence	DP
326		3:58 PM	Called Brett Schultz (Wivenhoe Dam) to check if all ok. Levels are slowly reducing.	Correspondence	DP
327		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
328		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
329		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
330		4:46 PM	Dave Roberts called to request update in inflow/outflow of Wivenhoe Dam.	Correspondence	DP
332		5:00 PM	SDWD Model Updated - SDWD-201101111700w/tnorah.xls	Model Run	JW
333		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

	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
332		5:22 PM	Jimmy Stewart (BoM), TM and JR discussed current Wivenhoe inflows and anticipated outflows. TM confirmed that 7600cumecs is still likely early tonight.	Correspondence	DP
336		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
337		5:48 PM	Rob Drury asking Tarong Energy to hold off releasing water from Spillway Creek.	Correspondence	DP
338		6:00 PM	NPD model updated - NPD-201101111800.xls, NPD-201101111800 Final.xls	Model Run	JW
339		6:00 PM	SDWD Model Updated - SDWD-201101111800withnoin.xls	Model Run	JW
340		6:04 PM	Glen Patterson called to advise he is unable to reach Lake MacDonal'd to take readings.	Correspondence	DP
341		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
344		6:35 PM	Agg (Somerset Dam) called to confirm all is good.	Correspondence	DP
345		6:36 PM	Bill Stevens called to inform team he is out off due to flood waters and unable to come in.	Correspondence	DP
346		6:41 PM	Tarong Energy confirmed releases from Spillway Creek have stopped.	Correspondence	DP
347		6:55 PM	David Hickey informed that tailwater gauge appears to be OOA. Confirmed by TM.	Correspondence	DP
348		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
349		7:10 PM	Brett Schultz at NPD rang is concerned that the level is dropping too fast.	Correspondence	AN
350		7:30 PM	Doug Grigg (Wivenhoe Dam) called to report that Wivenhoe Level 74.97mAHD is holding.	Correspondence	AN
351		7:30 PM	Brett Schultz (North Pine Dam) rang to say he is behind in gate settings.	Correspondence	AN
352		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
353		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
354		8:00 PM	Peter Baddley rang. Unofficially TM advised that things have stabilised. Also advised predicted peaks at various sites.	Correspondence	AN
355		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
356		8:25 PM	Chris Hughes at Colliers Building Services rang back. Rob Ayre asked about power supply to 179 Turbot Street. Chris said to email our power requirements.	Correspondence	AN
357		8:30 PM	Doug Grigg (Wivenhoe Dam) called to advise that Wivenhoe's level is 5mm down.	Correspondence	AN
358		8:30 PM	RA called Colliers Building Services and left a message to call back regarding loss of power to the 179 Turbot Street.	Correspondence	AN
359		8:30 PM	RA rang John Thornton (SunWater) to advise that power will be shutting down in the CBD tomorrow morning.	Correspondence	AN
360		8:35 PM	RA rang John Thornton to advise the power situation.	Correspondence	AN
361		8:35 PM	Peter Burrows (Seqwater) called FOC to speak with all duty engineers on the operating strategies for Wivenhoe releases.	Correspondence	AN
362		8:40 PM	MT called FOC to ensure we received the Emergex message regarding power shutdown to the CBD.	Correspondence	AN
363		8:45 PM	Warren Shaflcross rang. Rob Ayre advised that Emergex will be cutting power to the CDD in the morning. Warren will call Mike Minter and the security guys for Mineral House.	Correspondence	AN
364		8:50 PM	Brett Schultz (North Pine Dam) called to report NPD Level at EL 40.07mAHD. Gates are all at 11 increments.	Correspondence	AN
365		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
366		9:00 PM	RA emailed Chris Hughes with our building power requirements.	Correspondence	AN
367		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
368		9:10 PM	John Thornton called RA. John advised he spoke to Chris Hughes and is getting an Emergex contact.	Correspondence	AN
369		9:20 PM	Warren Shaflcross rang. Mike Minter told him we may not be able to have air conditioning.	Correspondence	AN
370		9:25 PM	RA called John Thornton. Chris Hughes got back to him and has Haywoods Electrical lined up for tomorrow morning.	Correspondence	AN
371		9:30 PM	Mal Lane (North Pine Dam) called. They are still behind in gate closures.	Correspondence	AN
372		9:35 PM	JT rang to discuss the latest directive to raise Wivenhoe Dam. JT suggested not raising.	Correspondence	AN
373		9:40 PM	JT rang Doug Grigg (Wivenhoe Dam) to obtain a current level. EL 74.97. Gates have been raised to 11.5m.	Correspondence	AN
374		10:00 PM	SDWD Model Updated - SDWD-201101112200withnoin.xls	Model Run	JW
375		10:00 PM	John Thornton rang to advise the phone number for Steve from Emergex 0418 186 814.	Correspondence	AN
376		10:00 PM	John Thornton rang requesting RA mobile number to pass on onto Emergex.	Correspondence	AN
377		10:30 PM	John Thornton rang to say Geoff White has pleaded our case with the CEO of Emergex and it is likely 179 Turbot Street will not lose power.	Correspondence	AN
378		10:35 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.94mAHD @ 10.30hrs.	Correspondence	AN
379		11:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.92mAHD @ 11.00hrs.	Correspondence	AN
380		11:10 PM	Rob Drury rang to request discharge from Wivenhoe when the gates are lowered to 10m. Advised 6100m3/sec.	Correspondence	AN
381		11:30 PM	JW called Doug Grigg (Wivenhoe Dam) to obtain a current level. EL 74.97. Gates have been raised to 11.5m.	Correspondence	AN
382		12:30 AM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.88mAHD @ 12.30hrs.	Correspondence	AN
383		1:00 AM	John Thornton (SunWater) called to provide Emergex 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
384		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
385		2:10 AM	James Charalambous (BOC) 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
386		3:10 AM	RA rang Mal Lane (NPD) and advised no changes to gate settings planned for the next hour or so.	Correspondence	AN
387		3:30 AM	Brett Myatt (Seqwater Mt Crosby WTP) called enquiring about levels at Mt Crosby.	Correspondence	AN
388		3:50 AM	RA called Chris Lahey (BoM) advising him that because inflows are not as much as earlier anticipated, the releases from Wivenhoe are less than previously suggested.	Correspondence	AN
389		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 4,500 cumecs.	Correspondence	AN
390		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
391		6:15 AM	Rob Drury rang enquiring current storage levels and releases. JR advised.	Correspondence	AN
392		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
393		5:30 AM	JR called Wivenhoe Dam for the current level. Dropped 2 cm in 30 minutes.	Correspondence	AN
394		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
395		6:00 AM	SDWD Model Updated - SDWD-201101120500withnoin.xls	Model Run	JW
396		6:00 AM	North Pine Dam rang enquiring about closing down. JT advised that we have not yet decided.	Correspondence	AN
397		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
398		6:15 AM	Brendan Bradley (BOC) 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
399		6:30 AM	JT rang Doug Grigg (Wivenhoe Dam) advising that a directive will soon follow to lower gates to 5m.	Correspondence	AN
400		6:35 AM	Paul Martin rang. JT discussed current strategy.	Correspondence	AN
401		7:00 AM	Liaised with Bureau regarding expected peak in lower Brisbane.	Correspondence	JW
402		7:50 AM	John Thornton (SunWater) called to confirm that 179 Turbot St had power.	Correspondence	JW
403		8:20 AM	Rob Drury rang enquiring current storage levels and releases. JT advised.	Correspondence	KH
404		9:20 AM	Brett Schultz (North Pine Dam) rang wanting to speak to JT.	Correspondence	KH
405		9:50 AM	Ken from Lowood Police rang enquiring current storage releases from Wivenhoe Dam. JT advised.	Correspondence	KH
406		10:20 AM	Agg (Somerset Dam) called querying whether FOC have received fax and email regarding storage level. He was checking the wall's before and will be at his desk for the next 30 minutes. Adam is there with him.	Correspondence	KH
407		10:50 PM	Sam (Seqwater) rang wanting to thank Neville for his and John's heroic effort in clearing Seqwater basement.	Correspondence	KH
408		11:20 AM	MT called to inform that he and Caroline Ellis Maltard (Seqwater) are not able to access Envision. He asked if TM can check the system.	Correspondence	KH
409		11:50 AM	Peter Burrows (Seqwater) called to ask that all communications be forwarded to him.	Correspondence	JW
410		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	NGA
411		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
412		12:32 PM	Wick 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
413		12:55 PM	Peter Baddley, Rob Tessa, Jim Stevenson from BoM visited FOC to false with the Duty Engineers.	Correspondence	NGA
414		1:10 PM	Barton Maher called to request electronic copy of Wiv - 80m Flood Ops manual to be forwarded to him.	Correspondence	NGA
415		1:15 PM	Mathew (Wivenhoe Dam) called to report lake level. 74.79mAHD @ 13.00hrs. Note: Reading taken in surging water. Wivenhoe fax appears to have failed.	Correspondence	NGA
416		2:05 PM	Brett Schultz (North Pine Dam) called to inform that North Pine level was 39.74mAHD and based on this level he is recommending at least one gate closure.	Correspondence	NGA
417		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
418		2:25 PM	Mathew (Wivenhoe Dam) called to report lake level. 74.81mAHD @ 14.00hrs. Note: Reading taken in surging water. Wivenhoe fax confirmed as failed.	Correspondence	NGA
419		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
420		3:05 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.81mAHD @ 15.00hrs.	Correspondence	NGA
421		3:30 PM	Peter Baddley (BoM) called TM to discuss re-appraisal of the expected flood peak in Brisbane. Peak now may be 5.2 metres early on Thursday 13/12/11.	Correspondence	NGA
422		4:00 PM	SDWD Model Updated - SDWD-201101121600.xls	Model Run	JW
423		4:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.80mAHD @ 16.00hrs.	Correspondence	NGA
424		4:00 PM	Brett Schultz (North Pine Dam) called to report that Siding Creek Dam is spilling at 20.560mAHD. Spillway level is 20.37mAHD.	Correspondence	NGA

	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
450		4:20 PM	Ken Morris (BCC) called FOC and had phone conference with Duty Engrs. He was seeking update for briefing with Lord Mayor.	Correspondence	NGA
451		4:52 PM	Paul Martin (DERM) called FOC and left message for TM. They (DERM) will be gauging at Jinda'ee all night to catch the peak. Carolyn Ellis Maffard has been contacted and will be joining the crew.	Correspondence	NGA
452		5:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.82m AHD @ 17:00hrs.	Correspondence	NGA
453		6:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.80m AHD @ 18:00hrs.	Correspondence	MT
454		7:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.82 @ 19:00hrs.	Correspondence	MT
455		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 Moggiil to 3,500 cumecs.	Correspondence	MT
456		8:00 PM	RA & JR advised Davis (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 Moggiil to 3,500 cumecs.	Correspondence	MT
457		8:55 PM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.82m AHD @ 21:00hrs. They will now report levels every 2 hours.	Correspondence	RA
458		9:15 PM	Doug Grigg (Wivenhoe Dam) called to inform that Energex restored power at Wivenhoe Dam at 21:15 hours.	Correspondence	MT
459		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
460			He asked for a situation update. RA shared Wivenhoe Dam's release strategy.		
461	Thursday, 13 January 2011	10:00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.81m AHD @ 22:00hrs. Will now report levels every 2 hours.	Correspondence	MT
462		12:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.79m AHD @ 00:00.	Correspondence	MT
463		1:00 AM	James (BCC) called FOC to enquire if Wivenhoe Dam has been compromised. JR assured him that that is not the case.	Correspondence	MT
464		1:05 AM	RA called BoM hotline number to check communications.	Correspondence	MT
465		1:10 AM	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
466		1:20 AM	Gareth Bossley (Queensland Police) called to inform of rumours that Wivenhoe Dam has been compromised.	Correspondence	MT
467		1:25 AM	JR called Doug Grigg (Wivenhoe Dam) to confirm Wivenhoe Dam has not been compromised.	Correspondence	MT
468		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
469		2:00 AM	Doug Grigg (Wivenhoe Dam) called to report level 74.765m AHD @ 2:00hrs.	Correspondence	MT
470		4:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.74m AHD @ 4:00hrs. Will now report levels every 2 hours.	Correspondence	MT
471		6:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.71m AHD @ 6:00hrs. Will now report levels every 2 hours.	Correspondence	MT
472		6:43 AM	Peter Baddley (BoM) called to inform that BoM has lost their telephone system. He provided 2 contact numbers.	Correspondence	MT
473			Thornton St 4.45m Telemeter 4.20m		
474		7:30 AM	Agg Dagan has been advising Kicooy Police of the FOC strategy for lower Somerset during the next 24 hours of opening sluice later today.	Correspondence	RA
475		7:50 AM	Peter Baddley (BOM) called to ask heights 3,600m/s would be at Savages and Mt Crosby. TM advised 34.5m AHD and 16.5m AHD respectively.	Correspondence	TM
476		8:05 AM	Kerry (MBRC) wanted to know when NPD gates will be closed. Advised to be closed by 0500 Friday.	Correspondence	TM
477		8:15 AM	Somerset directive #9 issued.	Correspondence	JW
478		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
479		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
480		10:10 AM	Rob Drury called to inform that power and IT services have been restored at Seqwater.	Correspondence	JW
481		10:30 AM	Rob Drury called to request if he could be notified of any changes to releases from Wivenhoe.	Correspondence	JW
482		11:00 AM	SDWD Model Updated - SDWD-201101131100's	Model Run	JW
483		1:00 PM	Tony Jacobs rang to enquire about Kicooy Creek and Mary Smokes Bridge. Duty Engineers advised that it may be out of water tonight, certainly by tomorrow morning.	Correspondence	JW
484		1:15 PM	Rob Drury called to advise that Police had called to ask when Kicooy would be accessible. John Tibaldi advised Rob that it would be by 6am tomorrow morning (14/1).	Correspondence	JW
485		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
486		2:15 PM	Phone call from Steve Ross, MBRC. Advice as follows: * damage to Gympie Rd abutments * No evacuations * No suburban flooding * Not aware of any over floor flooding. Pine Shire had 0.75m freeboard.	Correspondence	JW
487		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 1500. * 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
488		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
489		4:45 PM	Judy (MBRC) was advised that NPD gates will be closed at 0500 Friday.	Correspondence	TM
490		7:37 PM	John Thornton of SunWater called to confirm building services were working and all in order.	Correspondence	DP
491		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
492		8:30 PM	Rob Ayre called Graham Francis to advise of directive #11.	Correspondence	DP
493		8:41 PM	Rob Ayre called Rob Drury top advise of current release rates from Wivenhoe, Somerset and North Pine Dams.	Correspondence	DP
494	Friday, 14 January 2011	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
495		12:47 AM	Rob Ayre called Ray Balfinger at Somerset to enquire to the integrity of Somerset Dam. Operator indicated all was good and no anomalies have been detected.	Correspondence	DP
496		12:49 AM	RA called David Preston back on [redacted] to confirm that Somerset was recently inspected and all was ok.	Correspondence	DP
497		5:13 AM	Fax received from North Pine Dam confirming closure of all gates.	Correspondence	DP
498		5:15 AM	Rob Ayre called MBRC to advise that North Pine Dam has closed the final gate at 5am.	Correspondence	DP
499		5:16 AM	Watson from North Pine Dam called to confirm that all gates are closed, and Young's Crossing should be passable within 2 hours. Lake Kurungbah level is 20.43 m.	Correspondence	DP
500		5:28 AM	Rob Drury called to obtain a situation report. Rob Ayre provided the key information.	Correspondence	DP
501		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
502		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
503		7:45 AM	Andrew Tessa 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 Moggiil. A constant flow in the river was the plan as a consequence of Wivenhoe releases.	Correspondence	NGA
504		8:20 AM	Barton Maher phoned TM. Enquiry regarding the Wivenhoe Dam fuse plugs (design calcs/parameters).	Correspondence	NGA
505		8:21 AM	Peter Borrowes phoned the FOC. TM discussed with Peter Borrowes 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
506		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
507		10:10 AM	Agg Dagan rang from Somerset Dam. Checking that all comms avenues (faxes & e-mails) are functioning. All good.	Correspondence	NGA
508		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
509		10:40 AM	Rob Keogh (SunWater) transmitted a message via Daryl Bridgen (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 piping once the water level falls.	Correspondence	NGA
510		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
511		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 safely through the FOC.	Correspondence	NGA
512		12:35 PM	Ali Cameron from DERM phoned TM. Re: Gauging exercise at Jinda'ee - Soundtek M3 from boat (6 passes)	Correspondence	NGA
513			Jinda'ee gauging result - 4,300m ³ /sec at 6.45 metres AHD at 12:00 hrs		
514		12:37 PM	Peter Borrowes rang TM. Discussion about mis-informed reporting.	Correspondence	NGA
515		1:45 PM	TM rang Ken Morris at BCC seeking clarification on BCC's flood mapping. Ken Morris advised that at 3,500 cumecs, BCC records indicate that 220 properties will have water on the property. TM confirmed that water on the property did not mean water above flood level. I.e. Likely to be land inundation only.	Correspondence	NGA
516		1:53 PM	Rob Drury rang TM. Routine call. Update on current status.	Correspondence	NGA
517		2:45 PM	Rob Drury rang TM. Routine call. Update on current status.	Correspondence	NGA
518		3:30 PM	Matthew O'Reilly rang from Wivenhoe Dam with concerns about some 'swirling' apparent in the downstream tailwater opposite 'The Common'. Matthew thought there could be some erosion occurring under the flow. Matthew forwarded a marked photo of the phenomenon to TM. The consensus reached was that the phenomenon was the result of an 'hydraulic jump'. The matter would be referred to John Tibaldi for further investigation.	Correspondence	NGA

	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
12		3:55 PM	TM rang John Tibaldi to discuss the 'swirling' phenomenon identified by Matthew O'Reilly. Effect is at D/S end of plunge pool and is almost certainly a 'hydraulic jump'. JT advised the issue was not of concern unless the phenomenon moves toward the flip bucket.	Correspondence	NGA
526		4:05 PM	TM phoned Matthew O'Reilly at Wivenhoe Dam to pass on advice that John Tibaldi had no concerns about the 'hydraulic jump' phenomenon identified by him earlier today.	Correspondence	NGA
527		4:50 PM	Brett Myatt phoned the FOC. TM advised Brett that the current release strategy from Wivenhoe Dam (and therefore Fows past the Mount Crosby WTPs) would be maintained until at least Monday (17/11).	Correspondence	NGA
528		5:50 PM	Rob Drury rang John Tibaldi enquiring when the bridges to the east of Lake Wivenhoe would be clear of floodwater. JT advised all but the Sandy Ck - ASPM Conroy Bridge on the Wivenhoe Somerset Rd would be clear by tomorrow (Sat) morning.	Correspondence	NGA
529		7:00 PM	FOC change over.	Other	KH
530		8:40 AM	Rob Drury rang. Terry advised strategy to possibly go below FSL at Wivenhoe by Thursday.	Correspondence	AN
532		8:42 AM	Peter Burrows rang to advise that the media come into the FOC today to take photos.	Correspondence	AN
533		11:30 AM	Rob Drury rang to request a summary of the Operations Manual for Wivenhoe. Terry to provide after checking with all duty engineers.	Correspondence	AN
535		12:12 PM	Rob Drury rang to advise of a phone hook-up with the Minister and Peter Burrows at 2:00pm, and requested that RA be in at the FOC at that time.	Correspondence	AN
536		12:20 PM	Peter Burrows rang to confirm a phone hook-up with the Minister and Peter Burrows at 2:00pm.	Correspondence	AN
537		12:55 PM	Terry Malone advised Rob Ayre to come into the FOC for the phone hook-up at 2:00pm.	Correspondence	AN
538		13:10 AM	Peter Allen phoned about the Wivenhoe Flood manual summary. Terry Malone told Peter that the summary is with the other duty engineers for checking before issuing.	Correspondence	AN
539		1:15 PM	Rob Drury rang with some questions on the Wivenhoe Flood manual summary.	Correspondence	AN
540		1:45 PM	Rob Ayre and John Tibaldi arrived at the FOC for the 2:00pm phone hook-up.	Correspondence	AN
541		2:00 PM	Phone hook-up with TM, RA, JT with Rob Drury, Peter Allen, Peter Burrows, John Bradley and Bob Reilly to discuss a report for the minister by COB Sunday.	Correspondence	AN
542		5:00 PM	Rob Drury arrived to help write report for minister briefing.	Correspondence	AN
543		7:30 PM	Doug from Wivenhoe called to discuss strategy for the next 12 hours.	Correspondence	OP
544		4:12 AM	Called Doug at Wivenhoe to confirm directive received via email. Directive being actioned ASAP.	Correspondence	OP
545		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 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
546		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
551		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
553		10:20 AM	Email confirmation received that Somerset Directive #12 implementation has been completed.	Correspondence	BS
554		11:30 AM	FOC contacted by police (Robbie Goodger) notifying that the Wivenhoe viewing area has been damaged. Rob Ayre unable to contact Wivenhoe staff (Matt) - message sent. 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
555		12:30 PM	Phone call from Matt (Wivenhoe) - neither fax nor email received. Verbal instruction given to implement gate operation as per Directive #49 and email resent.	Correspondence	BS
557		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
558		12:55 PM	Rob Ayre advised Warren Shafercross about the situation at Mineral House, and he will visit the backup operations centre ASAP.	Correspondence	BS
559		1:10 PM	Ag (Somerset) called to report that the phones are now working.	Correspondence	BS
560		2:40 PM	Terry Malone spoke to Rob Ayre. Grid manager wants a summary of flood volumes and peak discharges.	Correspondence	BS
561		3:00 PM	Warren Shafercross called - confirmed with Rob Ayre that the computer system at Mineral House has been rebooted and is functional.	Correspondence	BS
562		3:10 PM	Rob Drury rang to confirm current discharges. Confirmed 600 cumecs for Somerset and 3500 cumecs for Wivenhoe (approx).	Correspondence	BS
563		4:00 PM	Directive #47 implemented - Gate 2 opened to 7.0 m.	Correspondence	BS
565		6:52 PM	Rob Ayre spoke with Doug Grigg (Wivenhoe Dam) about Directive #48 Wivenhoe strategy. Doug confirmed receipt of Directive.	Correspondence	MT
567		7:00 PM	FOC change over.	Other	MT
568		10:00 PM	Doug Grigg (Wivenhoe Dam) called to inform 3 floor panels missing from bux.	Correspondence	MT
570		7:15 AM	Rob Drury called to get SA Rep. Advised that Somerset should remain mobilised until further notice.	Correspondence	LVB
571		7:35 AM	Ass Dugan called - discussed strategy i.e. operate cone valves only from now on.	Correspondence	LVB
572		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
573		9:35 AM	Rob Drury called to enquire when closing down will start and reminded us to inform Councils.	Correspondence	LVB
574		10:00 AM	Advise Peter Allen about inconsistency between readings from BoM and actual HW gauges.	Correspondence	LVB
575		10:15 AM	Tony Jacobs SRC was contacted and advised gate close will commence this afternoon and Fernalde Bridge will be out of the water sometime Tuesday morning.	Correspondence	LVB
576		10:20 PM	Chris Layin BCC was contacted (left message) advising gate close will commence this afternoon.	Correspondence	LVB
577		10:20 PM	Tony Trace IOC was contacted (left message) advising gate close will commence this afternoon.	Correspondence	LVB
578		11:15 PM	Called Bret Myatt to inform him that flow in Lockyer is 75m3/s and falling.	Correspondence	LVB
579		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 FeC.	Correspondence	LVB
580		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
581		11:20 AM	Peter Burrows called saying he will email a revised copy of Michael O'Brian's document.	Correspondence	LVB
582		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
583		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
584		1:01 PM	Rob Drury called, saying Morton Bay wanted to know if there will be any more releases from NPD. JR said not planned unless we get more rain.	Correspondence	LVB
585		2:15 PM	Rob Drury called, asking for dates and times for Wivenhoe operations at the peak of the flood.	Correspondence	LVB
587		3:15 PM	Peter Bradley from BoM called to confirm that he received the info on the discrepancy in the auto level recorder.	Correspondence	LVB
588		4:15 PM	Jm from BoM - they have not received manual observations for days.	Correspondence	LVB
590		12:30 AM	Peter Burrows called to inform that rapidly dropping water level at Lowood was causing issues with pumping for WTP. Asked if FOC could call John Granzen and then notify him via txt of the outcome.	Correspondence	JW
594		12:35 AM	FOC contacted John Granzen 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
595		1:00 AM	Txt message sent to Peter Burrows to advise of cessation of Wivenhoe gate operations until further notice.	Correspondence	JW
597		2:00 AM	BCC advise that the recession at Coronation Drive is not an issue with regards to bank stability.	Correspondence	JW
598		5:00 AM	Doug Grigg called to advise that Fernalde Bridge was emerging from river. Current release 2054 cumecs.	Correspondence	JW
599		5:40 AM	Doug Grigg called to advise that the approach to the Fernalde Bridge from the Fernalde side was still underwater due to water backed up in the quarry.	Correspondence	JW
600		5:45 AM	Called John Granzen 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
601		7:25 AM	Doug Grigg (Wivenhoe) called to advise that Surveyor Bill Hewitt is taking a routine deformation survey.	Correspondence	KP
603		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
604		8:25 AM	Matthew O'Reilly (Wivenhoe) called to acknowledge Directive 55.	Correspondence	KP
606		10:10 AM	Rob Townsley (SEQWater at Mt Crosby Phone 0416667634) has requested some forward projections for fows at Mt Crosby Weir for the next 48 hours. They are looking at sludge dilution.	Correspondence	KP
607		10:15 AM	Rob Ayre called Rob Townsley back to provide the following info re projected fows at Mt Crosby Weir. 18/12/2011 10:00 - 2300 cumecs 19/12/2011 10:00 - 1130 cumecs 20/12/2011 10:00 - 350 cumecs	Correspondence	KP
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	A	B	C	D	E
	DATE	TIME	ACTION	CATEGORY	INITIALS
609		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
610		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 comm's people.	Correspondence	KP
611		10:30 AM	Paul Bird (SEQWater comm's 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
612		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
613		10:55 AM	Barton Maher (SEQWater) called to confirm that we received the hydraulic model from WRM. (affirmative)	Correspondence	KP
614		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
616		12:28 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
617		1:22 PM	Confirmed with Mal O'Reilly that gate closure sequence was in accordance with directive as email received from WD re 13:00 closure was incorrect.	Correspondence	KP
618		2:00 PM	John Tibaldi called for an update of the closedown sequence.	Correspondence	KP
619		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
620		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
623		4:05 PM	Rob Ayre called Mal Lane to alert him to the possibility of operating North Pine Dam with incoming storms.	Correspondence	KP
624		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
625		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 intake.	Correspondence	KP
626		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
628		6:25 PM	Rob Drury called to discuss situation report for North Pine.	Correspondence	KP
629		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
630		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
631		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
632		7:05 PM	Neville Abiltt phoned Rob Drury to provide an update on the NPD mobilisation and proposed gate openings.	Correspondence	NGA
633		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
634		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
635		7:15 PM	JT phoned Cynthia Crane (Seqwater) regarding JT's inability to access Citrix. Outage (?) Message left.	Correspondence	NGA
636		7:15 PM	JT phoned Rob Drury regarding Citrix comm's outage. Message left requesting RD to intervene to have the problem fixed.	Correspondence	NGA
637		7:20 PM	Lief from IT (Seqwater) rang and 'reset' Citrix for JT.	Correspondence	NGA
638		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
640		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
641		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
642		7:45 PM	JT phoned Mick Drews (Seqwater) seeking info Re: Lowood. Mick referred JT to Daniel Roche.	Correspondence	NGA
643		7:50 PM	JT phoned Daniel Roche. - reportedly on site at Lowood PS. No answer. Message left.	Correspondence	NGA
644		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
645		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
646		8:00 PM	Mark Milman (Seqwater - IT) phoned JT to check status of Citrix connection. Citrix connection is functioning.	Correspondence	NGA
647		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
648		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
649		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
650		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
651		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
652		8:18 PM	Rob Drury rang the FOC to seek an update on operations at all 3 storages.	Correspondence	NGA
653		8:25 PM	JT confirmed on-site manning arrangements at Lowood with Graham Keegan.	Correspondence	NGA
654		8:30 PM	Somerset Dam operator advised FOC by fax that Regulator #12 had been closed as per verbal advice from JT.	Information	NGA
656		8:35 PM	JT contacted Doug G. at Wivenhoe. Gate closing directive pending.	Correspondence	NGA
657		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
658		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
659		9:05 PM	Note: Wivenhoe Dam fax machine is still inoperative.	Correspondence	NGA
660		9:08 PM	JT phoned Murray Dunstan to advise of planned gate opening of NPD this evening. Closure is.	Correspondence	NGA
661		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
662		9:30 PM	Neville Abiltt 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

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	DATE	TIME	ACTION	CATEGORY	INITIALS
664	Wednesday 18/01/2011	9:38 PM	Neville Abbot 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
665		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
666		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 Towong would have a greater impact on the river banks than the Wivenhoe releases.	Correspondence	NGA
667		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
668		10:02 PM	RD phoned JT. Release strategy and final lake level at gate closure at Wivenhoe discussed.	Correspondence	NGA
669		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
673		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
674		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 farbank it.	Correspondence	NGA
675		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
676		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
677		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
678		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
679		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
681		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
682		5:35 AM	Doug G. phoned JT on his mobile phone with an update report.	Correspondence	NGA
683		6:08 AM	JT phoned TM. Things seem to be O.K. but we will continue to close all gates by this afternoon.	Correspondence	KH
684		8:20 AM	TM phoned Flood Warning Centre advising that flood operation for current event will be shut down around lunch time.	Correspondence	KH
685		9:23 AM	JT phoned TM asking whether we should run a regulator.	Correspondence	KH
686		9:51 AM	TM phoned JT regarding modelling results.	Correspondence	KH
687		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
688		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 66.6).	Correspondence	TM
689		10:43 AM	Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
690		11:14 AM	JR phoned TM - Still operational until tonight.	Correspondence	KH
691		11:28 AM	Rob Townsley (SEQWater at Mt Crosby) phoned FOC requesting for peak flow at Mt Crosby Weir during the latest event.	Correspondence	KH
692		11:36 AM	TM phoned JT confirming that JR and LVB will be on tonight.	Correspondence	KH
693		11:45 AM	TM phoned Rob Townsley advising that peak flow over Mt Crosby Weir was about 9150 cumecs.	Correspondence	KH
694		11:51 AM	TM phoned (left message with) MBRC regarding potential for closing operation tonight.	Correspondence	KH
695		11:52 AM	TM phoned (left message with) Murray Dunstan to call him back.	Correspondence	KH
696		11:59 AM	JT phoned TM stating that divers will investigate erosion d/s Wivenhoe Dam today.	Correspondence	KH
697		1:25 PM	Rob Townsley phoned TM discussing about the information which TM sent.	Correspondence	KH
698		1:39 PM	Matthew O'Reilly phoned TM advising Wivenhoe Dam EL is 66.89 m AHD.	Correspondence	KH
699		3:21 PM	Kerry (MBRC) phoned wanting AJ Wylie 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
700		4:00 PM	Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
701		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
702		9:10 PM	Called Murray Dunstan to inform him that NPD will be mobilised.	Correspondence	LVB
703		9:10 PM	Called Brett Schultz NPD to mobilise. The WL is approaching trigger level for gate opening.	Correspondence	LVB
704		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
705		9:38 PM	Brett Schultz called to confirm they are ready. The gauge reading was 39.54 @ 9:30PM.	Correspondence	LVB
706		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
707		6:00 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
710		7:20 AM	Rob Ayre called Tony Jacobs at SRC to advise of flow in Lockyer Creek. Tony concerned about Burtens Bridge but RA indicated that we will endeavour to keep flows below 400 m/s.	Correspondence	RA
711		7:25 AM	RA called Tony Trace at Ipswich CO and advised of removed flows in Lockyer Creek and Middle Brisbane R.	Correspondence	RA
712		7:40 AM	RA called Chris Lavin at BCC and advised of increased flows in Lockyer Creek and Middle Brisbane. Advised that Savages Crossing and will be College Crossing are inundated. Estimated travel time 30 to 36 hours.	Correspondence	RA
713		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
714		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
715		8:40 AM	Rob Drury called enquiring about the timeliness of the notice we gave to MBRC. Rob advised him accordingly.	Correspondence	KH
716		8:45 AM	John West called (re Lowood pump station) enquiring time to peak (height and discharge). FOC response was about 9 hours with height of about 3.7 m corresponding to 800 cumecs.	Correspondence	KH
717		8:50 AM	John West called (re Lowood pump station) enquiring current height and discharge. Together we estimated that it was about 160 cumecs (50 from Lockyer Creek and 100 from Wivenhoe Dam) corresponding to about 2.4 m.	Correspondence	KH
718		9:45 AM	Rob Drury advised Wivenhoe will not be drained to 66.5 m AHD, but will be maintained at or just below FSL.	Correspondence	KH
719		10:21 AM	Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
720		10:30 AM	Rob Drury called enquiring whether closing all releases in Wivenhoe Dam will cause level to exceed gate trigger in the next three days. RA advised that with rain on the ground he expects it not to, however forecast as per QPF is 15-25 mm, so we may need to review that decision tomorrow.	Correspondence	KH
721		11:12 AM	Toni Martini (MBRC) called. RA advised all gates will be closed at 2:00 PM.	Correspondence	KH
722		11:14 AM	RA phoned Murray Dunstan. They decided to close NPD by 2pm to allow MBRC to open Young's Crossing for afternoon peak.	Correspondence	KH
723		11:15 AM	John West called enquiring peak height and discharge at Lowood with Wiv Dam gates closed. We decided to just minus 100 cumecs from previous estimation. He also wants FOC to email him the Lowood rating curve.	Correspondence	KH
724		11:33 AM	RA called Mal (re Directive 36).	Correspondence	KH
725		11:36 AM	RA called TM. TM will monitor situation overnight and RA will become Duty Eng again tomorrow.	Correspondence	KH
726		11:44 AM	Paul Bird (SEQWater) called to confirm whether we have closed all gates at Wivenhoe Dam. KH said yes.	Correspondence	KH
727		1:07 PM	Rob Drury called confirming NPD closure.	Correspondence	KH
728		1:35 PM	Peter Parnell (SEQWater) called about Lowood pump motor sitting on the platform and wanting to know what flow will come down from Lockyer. Rob said about 800 cumecs.	Correspondence	KH
729		1:37 PM	TM called. Lou will be on tonight (KH should ring him this afternoon). Mt Crosby Weir gauge is broken so Water Treatment boys will give manual readings via BoM website. City gauge is currently reading 0.3 m high.	Correspondence	KH
730		2:10 PM	RA advised MBRC that North Pine Dam gate operations had ceased at 14:00 and that Youngs Crossing should be clear of water within the next hour to an hour and half.	Correspondence	RA

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12	DATE	TIME	ACTION	CATEGORY	INITIALS
731		2:15 PM	RA called Mal Lane and indicated that Terry Malone will be on call tonight monitoring the situation. Mal Lane advised that the tree branch snagged on Gate C had swung around and was now resting on pier - therefore okay. However a 75mm branch was caught in the ropes of Gate B and may need to be removed before another operation. Murray Dunsath has organised for the Rangers to examine tomorrow.	Correspondence	RA
732		2:40 PM	Agg Dagan called from Somerset dam and enquired as to proposed operational release strategy. RA advised that no releases planned for now until Wivenhoe spillway issues are resolved.	Correspondence	RA
733		3:20 PM	RA called MBRC Call Centre to provide heads up on possible gate operations tonight. Indicated that with 25mm over catchment we will commence gate operations at 21:00.	Correspondence	RA
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