4 WJM-6 "

DATE	TIME	ACTION	CATEGORY	INITIAL
/2011	7.00 AM	TM duty Engineer. Rainfall and water had been remote monitored to this point in time. TM advises Senior Duty Engineer that Flood Operations are required at both Somersie). Whenhoe and North Pine Dams. TM arrived at FOC to assess strategies and mobilises FOC, Wivenhoe, Somerset and North Pine Dam.	Situation Report	МТ
		North Pine Dam At 07:00ths Thursday, North Pine Dam was 39:50m, 0.05m below gate trigger level and having risen 0.15m since 2/1/2011 due to a combination of base flow and runoff from rain in the last 24 hours, Given the forecast rain, gate operations will commence tonight. MBRC will be advised this proming.		
		Somerset Dam At 07:00hrs Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and daing slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilooy Ck. Further regulator operations will be required later Thursday.		
		Wivenhoe Dam The regulator and hydro were discharging at 50 currecs to manage baseflow recession from previous flow event. At 07:00hrs Thursday, Wivenhoe Dam was 57:31m.and rising slowly. This is 0.31m above FSL and above the gate trigger level of 87:25m. This		
	8-00-644	SDWD Model Updated - SDWD-201101060800 x/s	Model Run	JW
	1 2 0 2			- 10
		NPD model updated - NPD-201101060800 xts	Model Run	JW
	8:14 AM	Situation Report 0800 06/01/2011 Rainfall - Since 9am Wodnesday, there have been widespread fails of 30mm with isolated heavy falls up to 50mm in the Somerset and Wivenhoe catchments. Totals in the North Pine catchment have generally been below 10mm. Falls up to 60mm were recorded in the Lealin Harrison catchment The forecast for the next 24 to 48 hours is for totals up to 150mm in SE Qid - The catchments remain wet and at likely to generate additional runoff in the event of rain. North Pine Dam - At 0700 Thursday. North Pine Dam was 39.50m, 0.05m below gate trigger level and having risen 0.18m since 2/1/2011 due to a combination of baseflow and runoff from rain in the last 24 hours Given the forecast rain, gate operations will commence tonight. MBRC will be advised this morning - At 0700 Thursday, Somerset Dam was 99 34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Klicoy Ck. Further regulator operations will be required falter Thursday.	Situation Report	ТМ
		Wivenhoe Dam - At 0700 Thursday, Wivenhoe Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenhoe Dam. Gates will be opened in the next 24 hours to manage the inflows from the upper Brisbane River and the outflow from Somerset. Impacts of Wivenhoe Dam Releases - Somerset Regional, Ipswich City and Brisbane City Councils will be advised of the potential for gate operations after a full assessment of the situation his morning. At this stage it is anticipated that peak releases from Wivenhoe will be below \$00m3/s but this will depend on the forecast rain and flows downstream of the dam. - The expected Wivenhoe release and local flows will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. At this stage, there are not expected to be any adverse impact upon Fernivale Bridge, Burtons Bridge or M Crosby Weir Bridge Leslie Harrison Dam Following the heavy rainfall Wednesday right, gate operations commenced at Leslie Harrison Dam late Wednesday right, and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours. The next situation report will be issued at 1800 Thursday 6/1/2011.	Situation Report	
	8:30 AM	MT spoke with Graham Keegan (Stand-in Central Coordinator) about readiness of staff for flood operations. Graham confirms that	Correspondence	MT
	8:50 AM	staff have been rostered and are ready. Andy Bickerton (MBRC) called to query about flows are Fernvale bridge. TM provided an update for possible gate operations.	Correspondence	MT
	9:05 AM 9:40 AM	Glen Paterson called to inform that North Pine Dam staff have been rostered and are ready. Rob Drury called to inform that Tony Trace has returned to the office and is contactable. He also requested for a situation update.	Correspondence Correspondence	MT MT
	11:00 AM 11:49 AM	Tony Trace (ipswich City Council (ICC)) called for a situation update. TM shared the release strategy for tonight. TM advised MBRC Call Centre that North Pine Dam will commence gate operations tonight. He requested for MBRC to call him.	Correspondence Correspondence	MT MT
	12:00 PM 12:04 PM	SDWD Model Updated - SDWD-201101061200.xis Kerry (MBRC) called. TM advised her that the latest North Pine Dam gates may be opened will be 7:00pm today. FOC will advise	Model Run Correspondence	WL TM
	1000	them accordingly. Andy Bickerton (MBRC) called, TM advised that water will be over Savages Crossing until and of the week.	Correspondence	MT
	12:46 PM	TM advised Ken Marsh (BCC) Weenhoe Dam will commence gate operations later today. Revised Operating Strategy 1200 6/1/2011 North Pine - On track to open tonight	Correspondence Situation Report	MT TM
		Sometset/Mivenhoe - No change to current status – expected inflow volume about 45,000ML Will trach about 89,7m AHD without releases. - Expected inflow volume about 130,000ML including Somerset. Will reach about 68,3m AHD without releases. - There has been further heavy falls in the Lockyer since 0900 Thursday and the flow from the Lockyer is going to be larger than initially assessed; possibly as high as 600m3/s peaking Saturday. This may close Burtons without any contribution from Wivenhoe The opening of the Wivenhoe gates will therefore be delayed until the Lockyer peak passes.		
		TM left roessage for Tony Jacobs (SRC) to return his call. TM advised Andy Bickerton (MBRC) Wivenhoe gate operations will be delayed to Saturday morning. This is due to higher than	Correspondence Correspondence	MT
	1:45 PM	expected inflows from Lockyer. This 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. TM left message for Ken Morris (BCC) to return his call.	Correspondence Correspondence	MT MT
	2:41 PM	Andy Bickerton (MBRC) asked for TM's mobile. He wanted to share MBRC's text message informing people living downstream	Correspondence	MT
		from North Pine Dam. Ken Morris (BCC) called for situation update, TM provided an update.	Correspondence	MT

DATE	TIME 2:54 PM	ACTION	CATEGORY Situation Report	INITIALS
		Reinfall - In the 5 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the 50mm set and Wivenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qid The catchments remain wet and are likely to generate additional runoff in the event of rater. North Pine Dam At 1400 Thursday, North Pine Dam was 39.65m, 0.01m above gate trigger level. Gate operations will commonce at 1900 - Thursday and will impact upon Youngs Crossing. MSRC have been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday. Somerset Dam At 0700 Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset in		
		produced a small amount of fution in the upper statings but mere have been significant rises in kilicoy Cik, adding to the Somerset in		
		Wivenince Dam - At 0700 Thursday, Wivenince Dam was \$7.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenince Dam. The estimated event inflow volume into Wivenince Dam is 180,000ML including Somerast Dam outflow. - There has been significant rainfalls in the Lockyer Ck catchment since 0900 Thursday and a peak of about 600m2/s is expected from the Lockyer late Friday. Wivenince gates will be opened after flood levels in the lower Lockyer subcide. At this stage Wivenince releases during Saturday may be as high as 1,500m3/s and continue for a couple of days. Impacts of Wivenince Dam Releases - Somerast Regional, (pswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours.	Situation Report	
		- The will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. The		
	3:00 PM		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
	4:00 PM	Kerry (MBRC) called. TM advised her North Pine Dam will commence gates operations from 19:00 hrs. SOWD Model Updated - SDWD-201101061600.xls	Correspondence Model Run	MT. JW.
	4:00 PM	NPD model updated - NPD-201101061600.xis	Model Run Directive	NGA
	5:33 PM	Situation Report 1800 06/01/2011 Rainfall Rainfall Anni hain the Shours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 50mm in the Somerset and Wivenhoe catchments. There have been significant rainfalls in the Lockyer CK catchment in the last 24 hours with widespread falls of 50mm and isolated falls up to 75mm. Totals in the North Pine catchment have generally been about 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment. - The forecast for the next 24 to 46 hours is for totals up to 100mm in SE Qid. North Pine Dam At 1700 Thursday, North Pine Dam was 39,68m, 0.03m above gate trigger level. Gate operations will commence at 1900 Thursday and till impact upon Youngs Crossing. Moreton Bay Regional Council has been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday.	Situation Report	TM
		produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset in Wivenhoe Dam. - At 1700 Thursday, Wivenhoe Dam was 67.39m and rising slowly. This is 0.39m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels are still rising at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow. - A peak of about 800m3/s is expected from the Lockyer late Friday. At this stage there is some uncertainty associated with this estimate and it may or may not impact Surtons Bidge. Wivenhoe gates will be opened after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. At this stage Wivenhoe releases will commence tate Friday/early Saturday and may be as high as 1,500m3/s, similar to recent events, and continue for a couple of days. Impacts of Downstream of Wivenhoe - Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours.	Situation Report	
	4.57.014	The relatively high Lockyer flows will adversely impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges		- 20-
		Brett Schuitz (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
		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. Issued North Pine Directive #2. • Gate C Open to 2 increments at 20:30 • Gate B Open to 2 increments at 20:45 • Gate D Open to 2 increments at 21:00 • Gate D Open to 2 increments at 21:15	Correspondence Directive	NGA NGA
		• Gate B , Open to 2 increments at 21:30		
		NPD model updated - NPD-201101062100.xis SDWD Model Updated - SDWD-201101062100.xis	Model Run Model Run	JW
Friday, 7 January 2011	6:07 AM	FOC Situation Report at 06:00 on Friday 7 January 2011. Rainfall There have been general totals around 30 to 50 mm with isolated heavy fails up to 75mm in the Somerset and Wivennoe catchments since the event commenced on Wednesday 5 January 2011. There have been significant rainfalls in the Lockyer Ck catchment in the last 72 hours with widespread fails of 50mm and isolated fails up to 100mm. Totals in the North Pine catchment have generally been about 35mm. Fails between 20 and 30mm were recorded in the Leslie Harrison catchment. The forecast for the next five days is for totals between 100 and 200mm in SE Qtd. Given the saturated condition of the catchments further runoff will most likely be generated from this rainfall. North Pine Dam At 0600 Friday, North Pine Dam was at 39 48m, 0.12m below FSL. Gate operations commenced at 1915 on Thursday 6 January and are expected to be only found. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was advised and they closed Youngs Crossing.	Situation Report	LVB
		releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was advised and they closed Youngs Crossing Wivenhoe Dam - At 0800 Friday, Wivenhoe Dam was at 67.64m and rising slowly. This is 0.64m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels have peaked at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 230,000ML including Somerset Dam outflow. - A peak of about 470 cumecs is expected from Lockyer Creek by mid-afternoon on Friday 7 January. At this stage there is some uncertainty associated with this estimate but it may be of sufficient magnitude to inundate Burtons Bridge. - Wivenhoe gate treleases will occur after the impact of Lockyer flows no Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. It is proposed that Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,200 cumecs. (similar but slightly smaller to recent events), and the releases are expected to continue over the weekend though to Monday or Tuesday.	Situation Report	
		Impacts of Downstream of Wiveninge		

DATE	TIME 8,00 AM	ACTION Advice from BoM indicates that SEQ can expect some high rainfall totals over the next S days up to Tuesday 11/1/11 with the largest falls predicted for Sunday and Monday.	CATEGORY Correspondence	INITIAL
		Integral main predicts of Suriosy and microsy. NPO model updated - NPO-2011010708900.xls Called Tony Jacobs @ Somerset Council to inform him that the Lockyer is running - all bridges in Somerset Region will be out off this morning. Wivenhoe gates will be opened once the Lockyer peak is through.	Model Run Correspondence	LVB
		FOC called Kerry (MBRC) to inform them that North Pine will be operate for the next few days - probably till Tuesday. Called Chris Lavin (BCC) to inform that Wivenhoe gates will be opened again this afternoon and releases might peak at 1500m3/s.	Correspondence Correspondence	LVB
	8:47 AM	This might continue until the end of next week. Called Tony Trace (ICC) to inform him that Wyvenhoe gates will be opened again this afternoon and releases might peak at	Carrespondence	LVB
		1500m3/s. This might continue until the end of next week. Called Robert Glen (BCC) to provide situation report. NPD model updated - NPD-201101071200.sis	Correspondence Correspondence	LVB
		SDWD Model Updated - SDWD-201101071290.xis	Model Run Situation Report	WE
	12:34 PM	There are no gate movements projected for the next 3 hours. Issued Wivenhoe Directive #1: 15:00 Open Gate 3 from 0.0 metres to 0.5 metres 16:00 Open Gate 3 from 0.5 metres to 1.0 metres 17:00 Open Gate 3 from 1.0 metres to 1.5 metres 18:00 Open Gate 3 from 1.5 metres to 2.0 metres 18:00 Open Gate 3 from 1.5 metres to 2.0 metres 19:00 Open Gate 3 from 2.0 metres to 2.5 metres 20:00 Open Gate 3 from 2.5 metres to 3.0 metres 21:00 Open Gate 3 from 2.5 metres to 3.5 metres	Directive	ГЛЯ
	3:02 PM	Don Carrol (BCC) called FOC with concerns that dam release will add another 200mm on top of abnormal high side. TM spoke to Jimmy Stewart (BoM) who advised that the effect could be around 50mm - if that can be measured.	Correspondence	LVB
	5:00 PM	Issued Somersel Directive #1. I Please open a regulator 100%	Directiva	LVB
		SDWD Model Updated - SDWD-201101071600 x/s Issued Somerset Directive #2.	Model Run Directive	JW LVB
	6:00 PM	Please open Stutice M at 12:00. Issued North Pine Directive #3. Gate B: Close to 1 increment at 19:00 Gate D: Close to 1 increment at 19:30 Gate A: Close to 1 increment at 19:30 Gate C: Close to 1 increment at 19:30 Gate C: Close to 1 increment at 19:45 Gate C: Close to 1 increment at 20:00.	Directive	LVB
	6:00 PM	Situation Report 1800 Friday 07/01/2011 Rainfall - Since 0900 Friday, there has been widespread 20 to 40mm throughout North Pine, Somerset and Wivening catchments with isolated higher totals of 70mm in the upper reaches of the Brisbane R Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 4 days. Saturday: Rain light at times 15-50mm with higher falls along the coast Widespread rain with totals between 50-100mm Widespread rain with totals between 50-100mm Rain eagin with totals between 50-50mm Given the saturated conditions of the catchments, significant inflows to Seqwater dams will be generated, especially following this forecast rainfall on Sunday/Monday. North Pine (Full Supply Level 39.60 m AHD)	Situation Report	TM
		of significant runoff during the next 4 days, gates will be keep open to match inflows over the next few days, rather than opening Witnenhoe (Full Supply Level 67.00 m AHD) - At 1700 Friday, Wivenhoe Dam was 68.10 m AHD and rising steadily with one gate open to 1.5 metres and releasing about 188m3/s. River levels upstream of Wivenhoe Dam were rising again, generaling further inflow to the dam. It is intended to ramp up the release from Wivenhoe to about 1,200m3/s during the next 18 hours. However, given the high likelihood of eignificant inflows in the next week, this may be increased later on the weekend. - Since the commencement of the event on 02/01/2011, approximately 140,000ML has flowed into Wivenhoe Dam with a further 180,000ML expected (including Someret release) based on the recorded rainfall to date. Approximately 24,000ML has been released from Wivenhoe via the hydro and regulator at about 50m3/s. Impacts downstream of Wivenhoe release of 1,200m3/s combined with Lookyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely	Situation Report	
	9:53 PM	Issued Wivenhoe Directive #2.	Directive	MT
Saturday, 8 January 2011	4:55 AM	Issued Wivennoe Directive #3, • 08/01/2011 05:00 Open Gate 4 from 1,0 metres to 1.5 metres • 08/01/2011 05:00 Open Gate 1 from 0.5 metres to 1.0 metres • 08/01/2011 07:00 Open Gate 5 from 0.5 metres to 1.0 metres • 08/01/2011 08:00 Open Gate 3 from 3.5 metres to 4.0 metres	Directive	TM
		Agg Dagan from Somerset Dam rang enquiring on Somerset's strategy, RA advised possibly opening a gate later-today. Issued Wivenhoe Directive #4, - 08/01/2011 10:00 Open Gate 2 from 1.5 metres to 2.0 metres - 08/01/2011 10:00 Open Gate 4 from 1.5 metres to 2.0 metres - 08/01/2011 11:00 Open Gate 1 from 1.0 metres to 1.5 metres - 08/01/2011 12:00 Open Gate 2 from 1.0 metres to 1.5 metres - 08/01/2011 13:00 Open Gate 2 from 2.0 metres to 1.5 metres - 08/01/2011 13:00 Open Gate 4 from 2.0 metres to 2.5 metres - 08/01/2011 13:00 Open Gate 4 from 2.0 metres to 2.5 metres	Correspondence Directive	AN
		RA advised Matthew O'Reilly (Wivenhoe Dam) on directive #4 and discussed strategy. RA rang Brett Schultz (North Pine Dam) and advised on strategy.	Correspondence Correspondence	AN
	9:00 AM	SDWD Model Updated - SDWD-201101080900.xls Agg Dagan (Somerset Dam) rang to advise he is going into Kilcov to see the treatment plant and will be off-site for a couple of	Model Run Correspondence	JW.
		hours. NPD model updated - NPD-201101081000.xis Rob Drury rang. RA advised current status and strategy.	Model Run Carrespondence	JW
	11:30 AM	Issued Somerset Directive #3, • Please open Sluice M to 100% at 12:00,	Directive	AN
	A wie ker	Ken Morris (BCC) rang asking about combined flows down the Brisbane River (Wivenhoe, Warrill Creek and Bremer River). AN- advised that at this stage flows would not exceed 1500m3/sec.	Correspondence	AN
	3:00 PM	NPD model updated - NPD-201101081500.xls SDWD Model Updated - SDWD-201101081500.xls, SDWD-201101081500-Forecast72hi.xls	Correspondence Model Run	JW
Sunday, 9 January 2011	12:00 AM	Issued North Pine Directive #4. Gate B : Close to 0 increments at 00:30 Gate D : Close to 0 increment at 00:45	Directive	NGA
	1:00 AM	Issued Wivenhoe Directive #5, • Open Gate 3 from 4,0 metres to 4.5 metres	Directive	NGA
	4:30 AM	Open Gate 3 from 4.0 metres to 4.5 metres saued Wivenhoe Directive #6 Open Gate 1 from 1.5 metres to 2.0 metres	Directive	NGA

TIME	ACTION	CATEGORY	INITIA
6:15 AM	FOC Situation Report at 06:00 on Sunday 9 January 2011 Rainfall Catchment average rainfall for the past 12 hours is, North Pine Dam (less than 10 mm); Samerset Dam (40 mm); Wivenhoe Dam	Situation Report	JT
	Class than 10 mm). The bulk of the rain that has fallen in the Somerest Dam class meneral bulk not the rain that has fallen in the Somerest Dam classment has excurred in the last two hours, with recorded falls exceeding 60mm in some areas. The BOM forecast for the next seven days issued at 0450 this morning to-		
	Sunday: Rain periods. Monday: Rain periods.		
	Tuesday Rain periods		
	Wednesday A few showers. Thursday A shower or two.		
	Friday A shower or two. Saturday Mostly fine.		
	A severe whether warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.		
	North Pins Dam (Full Supply Level 39.60 m.AHD) The dam level is currently 39.47 m.AHD and steady. Two radial gales remain open to release runoff generated from recent rainfall. Based on rainfall forecasts, the radial gates have been kept open in anticipation of further inflows over the next few days. In		
	Somerset Dam (Full Supply Level 99.00 m AHO) The dam level is currently falling slowly, with the current level being 100.27m AHD. However the rain that has fallen in the dam catchment over the last two hours (recorded falls exceed 80mm in some areas) will result in significant inflows later today. The current release rate into Wivenince Dam is 35,000ML/day. Since the commencement of the event on 02/01/2011 approximately 56,000ML has been released from the dam, with a total of at least 150,000ML has released bead from the dam, with a total of at least 150,000ML has released bead from the dam, with a total of at least 150,000ML has released bead on the current reinfall forecasts. At this stage, releases will continue until at least Tuesday.	Situation Report	
	Wivening Dam (Full Supply Level 67.00 m AHO) The dam level is currently falling slowly, with the current level being 68.58m AHD. River levels upstream of the dam are recoding, however further inflows will result from any additional fainfall. The current gate operation strategy will maintain flows of around		
6:50 AM	Rob Drury rang. JT advised Rob on current release strategy based on recent heavy overnight rainfall.	Correspondence	NGA
	SDWD Model Updated - SDWD-201101090700.xls Issued Somerset Directive #4.	Model Run Directive	JW NGA
	Please open Sluice K to 100% at 09:00,	Correspondence	NGA
	SDWD Model Updated - SDWD-201101090900.xis	Model Run	JW
	NPD model updated - NPD-201101090900.xls Issued North Pine Directive #5.	Model Run Directive	JW
	Gate A Close to 0 increment at 11:00		
5.0	Issued Wivenhoe Directive #7 - Open Gate 5 from 1.5 metres to 2.0 metres	Directive	NGA
12:00 PM	SDWD Model Updated - SDWD-201101091200.xis RA scheduled meeting of Duty Engineers this afternoon to discuss current situation and forward release strategies.	Model Run	JW
12:30 PM	Na scrieduled meeting of Duty engineers this atternoon to discuss current situation and forward release strategies. Please open Stuice N to100% at 13:00	Correspondence Directive	NGA NGA
	SDWD Model Updated - SDWD-201101091400 xls	Model Run	JW
2:00 PM 2:30 PM	NPD model updated - NPD-201101091400.xis NA called Agg Dagan (Somerset Dam) and requested status readings be faxed to the FOC on an hourly basis until advised	Model Run Carrespondence	JW
	otherwise. Current Somersel lake level lis EL 100.54 and rising fast. FOC called Brett Schutz (North Plne Dam) advising of impending gate openings due to recent heavy rainfall and subsequent projected inflows.	Carrespondence	NGA
2.45 PM	Issued North Pine Directive #6.	Directive	NGA
	Gate A: Open to 1 increment at 15:00 Gate D: Open to 1 increment at 15:15 Gate B: Open to 1 increment at 15:30		
3:00 PM	NPD model updated - NPD-201101091500 xts	Model Run	JW
	Duty Engineer Conference held at the FOC: Attended by RA, JR, TM with JT on confiphone. At this stage operating at the top end of W1 and the bottom end of W2. Storing approx. 300,000 MI expected to flow high the dams from rainfall on the ground. The rainfall system is currently in the N-E part of the catchment and expected to travel south over the next 24-36 hours according to the BoM forecasts. This has the potential to significantly increase flows in Lockyer Ck & the Bramer River which potentially could close Ferrivale Bridge and Mt Crosby Bridge and increase the risk of flooding in the Lower Brissbane. Releases from Wivenhoe Dam will be maintained at the current level of ~ 1,400 currecs. If required, releases from Wivenhoe Dam will be reduced to contain the flow in the Mid-Brisbane to 1,600 currecs and 3,000 currecs in the Lower Brisbane. At this stage it is anticipated that levels below 102,5 in Somerset and 72.5 in Wivenhoe can be attained.	Situation Report	NGA
3:30 PM	issued North Pine Directive #7. • Gale C; Open to 2 increment at 16:00	Directive	NGA
	- Sate E: Open to 2 increment at 16:15 - Gate A: Open to 2 increment at 16:30		
4:15 PM	SDWD Model Updated - SDWD-201101091600.xis TM called Tony Jacobs (Somerset RC) advising that the current strategy was to maintain a flow in the Brisbane River such that the Ferrivale Bridge and the Mount Crosby Bridge could be kept open. However, future rainfall could well impact on those roads	Model Run Correspondence	JW NGA
4:20 PM	remaining open. Closure next Tuesday is a real possibility at this stage. Terry Malone phoned Tony Trace (ICC) advising that the current strategy was to maintain flow in the Brisbene River such that the Fernyale Bridge and the Mount Crosby Bridge could be kept open. However, future rainfall could wall impact on those roads. remaining open. Closure next Tuesday is a real possibility at this stage.	Correspondence	NGA
4:25 PM	TM called Chris Lavin (BCC). A message was left to phone FOC.	Correspondence	NGA
4:26 PM	TM called Ken Morris (BCC). A message was left to phone FOC. Ken Morris returned phone call. Ken was advised by TM that the current strategy was to maintain a flow in the Brisbane River such.	Correspondence Correspondence	NGA NGA
	that the Ferrivale Bridge and the Mount Crosby Bridge could be kept open. However, future rainfall could well impact on those road a remaining open. Closure next Tuesday is a real possibility at this stage. Flow in the Lower Brisbane potentially might reach 3,000 curners by next Wednesday or Thursday.	2 STEPRINGING	NON
5:18 PM	NA left a message with Graham Keegan (A/Co-ord) regarding the potential for Fernvale Bridge and Mount Crostry 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 Fornvale Bridge and Mount Crosby Bridge by Thursday (possibly Wednesday). Releases from Wivenhoe are dependent on flows from Lockyer Ck- and inflow into Wivenhoe. FOC will confinue to update BCC.	Correspondence	NGA
5 32 PM	Breft Schultz (NPD) phoned the FOC with a manual reading of EL 20,680 at Lake Kurwongbah. Breft noted that should NPD gates be closed in the near future, the Lake Kurwongbah tailwater would impact on Youngs Crossing.	Correspondence	NGA
	the crosses at the near future, the cake nurwongoan taliwater would impact on Youngs Crossing.	-	MMA
5:40 PM	Rob Drury phoned TM for an update on the current situation. Graham Keegan returned call and NA advised that TM had requested Graham to factor into his staffing roster of Wivenhoe and	Correspondence	NGA

TIME	ACTION Situation Report 1700 Sunday 9/1/2011	Situation Report	INITIA
2.2177	Reinfall Catchment average rainfall for the past 12 hours is; North Pine Dam (80 mm); Somerset Dam (150 mm); Wivening Dam (80 mm)	Distriction (Surpos)	1,00
	The bulk of the rain that has fallen in the upper reaches of the Stanley and Brisbane Rivers.		
	The BOM rainfall forecast for the next few days is: Monday: Very heavy rain periods with totals up to 300mm centred around North Plan.		
	Tuesday: Rain periods with totals up to 150mm centred around North Pine. Wednesday: A few showers less than 10mm		
	Thursday A shower or two. Friday A shower or two		
	Saturday Mostly fine.		
1	A severe whether warning remains current for heavy rainfall in the dam catchment areas. The dam catchments are relatively		
	saturated and significant inflows will be generated if the forecast rainfall eventuates.		
	North Pine Dam (Full Supply Level 39.60 m.AHD) The dam level is currently 39.65 m AHD and rising at 1800. Following the rain in the 9 hours, the number of open gates has been		
-	Somerset Dam (Full Supply Level 99.00 m AHD)	Situation Report	
	- The dam level is 100,75 m AHD and rising quickly. Estimated peak inflow to the dam is about 3,000m3/s. Five sluice gates are open releasing about 1,100m3/s (95,000Ml/d) into Wivenhoe Dem. At this stage the dam will reach at least 101.5 during early		
	Tuesday morning. - Since the commencement of the event on 02/01/2011 approximately 80,000ML has been released from the dam, with an event		
	total of at least 320,000ML based on the recorded rainfall to date. The event total is expected to increase significantly due to the forecast rain in the next 24 to 48 hours. At this stage, releases will continue until at least Wednesday.		
	Wivenhoe Dam (Full Supply Level 67,00 m AHD)		
	- The dam level is currently rising again, with the current level being 68.70m AHD. Estimated peak inflow to the dam just from the Upper Brisbane R is about 5,000m3/s and, at this stage, the dam will reach at least 72.5 m AHD during Wednesday morning. River		
5:58 PM	levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. The current	Correspondence	NG
	Wivening resulting from current heavy rainfall. Situation will become clearer in 24 hours time. SDWD Model Updated - SDWD-201101091800.xis	Model Run	JW
6:00 PM	NPD model updated - NPD-201101091800.xts The caretaker from the house at the Colleges Crossing Reserve rang FQC to enquire about predicted flood height at the Colleges.	Model Run	JW
5,55 FW	Crossing Bridge. TM referred him to Tony Trace (ICC) for an update on flood information affecting the ipswich area. Advised no	Correspondence	NG
7:00 PM	change in Wivenhoe releases at this stage and the future options were presently unknown. SDWD Model Updated - SDWD-201101091900.xis, SDWD-201101091900norain.xis, SDWD-201101091900withrain.xis	Model Run	JW
V	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
_	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
	FOC called Puter Allen advising him that FOC is now looking at much larger flows and will have to ramp up releases to around 3000 curners as by as early as midnight which is likely to have flooding impacts on low-lying areas of Brisbane.	Correspondence	BS
7:20 PM 7:25 PM	TM called Don Carroll (BCC) advising him of potential for high releases sooner than previously expected. Mai Lane (North Rine Dam) called to advise dam level is at 39.82mAHD, 3 gates are at increment 2 and two are at increment 1.	Correspondence Correspondence	BS BS
7:30 PM	The two at increment 1 are currently being raised to increment 2 (next few minutes). Issued North Pine Directive #8:	Directive	BS
	Copen Gate B to 2 increments 19:45 Open Gate D to 2 increments at 20:00		50
	SDWD Model Updated - SDWD-201101092000withnorain.xls	Model Run	JW
8:05 PM	RA called Shane Watson (North Pine Dam) to confirm last directive is completed. All pates at increment 2, Darryl Hickey (ICC) returned call and spoke to JR. He was informed of current situation and the likelihood of high releases	Correspondence Correspondence	BS
	temporous causing flood damage. RA called Ken Morris (BCC) to request copy of flood damages curve from 2007 study. Ken will send a copy temporous.	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
	Issued North Pine Directive #9. Situation Report 2100 9/01/2011	Directive Situation Report	BS
2.237.01	Rainfall - Very heavy rainfall has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to	Supposit Keppit	TM
	- very neary raintain has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to 140mm. Totals for the last 24 hours range from 100 to 300mm. - Rainfall of similar magnitudes is expected in the 12 to 24 hours, especially around the Bramer/Warrill catchments as the system.		
	Asserte weather warning remains current for heavy rainfall in the dam catchment areas.		
	Somerset Dam (Full Supply Level 99.00 m AHD)		
	- The dam level is 101.68 m AHD (about 500,000ML currently in storage) and rising quickly. Peak inflow to the dam is eatimated to		
	be about 4,000 m/3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five stuce gates are open releasing about 1,100m3/s (95,000Mi/d) into Wivenhoe Dam. At this stage the dam will reach at least 103.5 early Tuesday morning which will adversely impact areas around Kilcov.		
	- Since the commencement of the event on 02/01/2011 approximately 100,000ML has been released from the dam into Wivenhoe,		
	Whyenhoe Dam (Full Supply Level 67.00 m AHD) -River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows	Situation Report	
	in the Brisbane River at Gregor's Ck have already reached 6,700m3/s and the river is still rising. - The dam level is rising again, with the current level being 69.10m AHD (1,410,000ML with about 300,00 of flood storage).		
	Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 7,500m3/s and, at this stage, the dam will reach at least 73.0 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to		
	Increase the release from Wivenhoe Monday morning. - The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this		
	stage, releases will be kept below 3,500m3/s and the combined flows is the lower Brisbane will be limited to 4,000m3/s. This is below the limit of urban damages in the City reaches.		
9:10 PM	- The current release rate from Wivenhoe Dam is 1,400m3/s (120,000ML/day). Gate opening will start to be increased from noon. Rob Drury called and spoke with RA. Rob confirmed that releases will need to be ramped up from current 1400 currecs to 2500.	Correspondence	BS
4.6-17	currecs which will cause flooding in low lying areas of Bribbane. 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	341132011001100	DS
9:15 PM	volumes getting close to 1974 levels. Confirmed situation report has gone out. Geoff Perkins (BoM) called and spoke with TM. They discussed on rainfall expectations and flood warning requirements for	Correspondence	0.0
	Brisbane, Bremer/Warrill situation being monitored. Actual and projected flows sent to Geoff.		BS
a.zu PW	Tony Trisce (ICC) spoke with RA, Emailing DTMR A/H contact to floodroom. Klosk caretaker at Colleges Crossing is being evacuated. Contact Number for DTMR; Ron Hemley	Correspondence	BS
10:00 PM	SDWD Model Updated - SDWD-201101092200withnorain.xls, SDWD-201101092200-Forecast24hr.xls	Model Run	JW
20.00	NPD model updated - NPD-201101092200 xls JR called Wivenhoe operator (Doug Grigg) and confirmed current flooding expectations based on rainfell predictions and expected.	Model Run Correspondence	BS
10:00 PM	Impacts	Correspondence	BS
10:00 PM 10:00 PM	FOC called Tony Jacobs (SRC). A situation update was provided. Ferrivate Bridge closure likely to be required in view of probable		BS
10:00 PM 10:00 PM 10:15 PM	releases from Somerset to Wivenhoe. Rob Drury called and spoke with RA, A teleconference with Water Grid Manager and DERM was completed, Explained 9,00pm.	Correspondence	
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM	Ireleases from Somerset to Wivenhoe. Robin Somerset to Wivenhoe. Robin Structure and DERM was completed, Explained 9.00pm situation report. 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. Brett Myart (Mt Crosby WTP) called and spoke with RA. He was concerned the guardralls need to be taken off bridge before bridge.	Correspondence Correspondence	BS
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM	releases from Somerset to Wivenhoe. 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. Brett Nyatt (M. Crosby WTP) called and spoke with RA. He was concerned the guardralls need to be taken off bridge before bridge goes over. RA recommended getting the ralls straight off in view of increasing flow expectations overright. Flow expected to get to 2000ML by morning.	A17 A17 170	BS
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM	releases from Somerset to Wivenhoe. 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. Brett Myatt (Mt Crosby WTP) called and spoke with RA. He was concerned the guardralls need to be taken off bridge before bridge goes over. RA recommended getting the ralls straight off in view of increasing flow expectations overright. Flow expected to get to 2000ML by morning. JR called Wivenhoe Dam operator (Doug Grigg) requesting for a visual inspection of Fernyale Bridge.	Correspondence Correspondence	BS
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM 10:30 PM 10:30 PM	releases from Somerset to Wivenhoe. 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. Brett Myatt (Mt Crosby WTP) called and spoke with RA. He was concerned the guardralis need to be taken off bridge before bridge goes over. RA recommended getting the rails straight off m view of increasing flow expectations overright. Flow expected to get to 2000ML by morning. JR called Wivenhoe Dam operator (Doug Grigg) requesting for a visual inspection of Fernyale Bridge. Doug Grigg (Wivenhoe Dam) called discussed Fernyale Bridge situation with JR. Water was lapping the bridge girders. Rob Drury called and spoke with RA. Rob Drury will be contacting Dan Spiller to confirm closure of Mt Crosby Weir Bridge Police	Correspondence	
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM 10:30 PM 10:40 PM 10:45 PM 11:20 PM	releases from Somerset to Wivenhoe. 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. 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. JR called Wivenhoe Dam operator (Doug Grigg) requesting for a visual inspection of Fernivale Bridge. Doug Grigg (Wivenhoe Dam) called discussed Fernivale Bridge situation with JR. Water was lapping the bridge girders. 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. JR called Tony Trace (ICC) and left message regarding rates of rise at Mt Crosby. Bridge will be inundated within the next couple of	Correspondence Correspondence Correspondence	BS BS
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM 10:30 PM 10:40 PM 10:45 PM 11:20 PM	releases from Somersel to Whenhoe. 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. Brett Myatt (Mt Crosby WTP) called and spoke with RA. He was concerned the guardrails need to be taken off bridge before bridge goes ever. RA recommended getting the rails straight off in view of increasing flow expectations overright. Flow expected to get to 2000ML by morning. 2000ML by morning. 300 And Weighte Dam operator (Doug Grigg) requesting for a visual inspection of Fernivale Bridge. Doug Grigg (Wivenhoe Dam) called discussed Fernivale Bridge situation with JR. Water was lapping the bridge griders. 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. 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. JR called Ross Drabble (ICC) regarding rates of rise at Mt Crosby (approx 200 mm from going over) - will be inundated within the	Correspondence Correspondence Correspondence Correspondence	BS BS BS
10:00 PM 10:00 PM 10:15 PM 10:20 PM 10:30 PM 10:30 PM 10:30 PM 10:40 PM 11:25 PM 11:25 PM	releases from Somerset to Wivenhoe. 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. Brett Myatt (MCrosby WTP) called and spoke with RA. He was concerned the guardralis need to be taken of thidge before bridge goes ever. RA recommended getting the rails straight off in view of increasing flow expectations overnight. Flow expected to get to 2000ML by morning. JR called Wivenhoe Dam operator (Doug Grigg) requesting for a visual inspection of Ferryale Bridge. Doug Grigg (Wivenhoe Dam) called discussed Ferryale Bridge situation with JR. Water was lapping the bridge griders. Rob Drury called and spoke with RA. Rob Drury will be contacting Dan Spillar to confirm closure of Mt Crosby Weir Bridge. Polica are on site. 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 Correspondence Correspondence Correspondence Correspondence	BS BS BS

11:35 PM	ACTION RA called Ron Hemley (DTMR) and left message regarding current road closure situation.	CATEGORY	INIT
11:35 PM	JR called Andy Bickerton (SRC) and left message for call to be returned or Fernivals Bridge situation. JR called Robert Bain (CEO SRC) and left message regarding Fernivals Bridge situation and requested call be returned ASAP.	Correspondence Correspondence	B
11:40 PM	Andy Blokerton (SRC) called back and spoke with JR, JR confirmed the high flow levels and anticipated further level rises will impacts road crossings. Fernivale Bridge was about to go out, informed of the levels and inflows to Wivenhoe and Somersal and the expectation for more rain.	Correspondence	В
	Andy Bickerton called again and spoke with JR. JR confirmed police were on site at Fetnivale Bridge and were contemplating road closure signs at Fernivale. Confirmed message has been left with DTMR but call not yet returned.	Correspondence	В
	Brett Nystt (Mt Crosty WTF) called to confirm Mt Crosby Weir road is closed (call taken by Bill Stephens). Confirmed that ICC has been holified and message left with DTMR. Ken Morits (BCC) called and spoke with JR. Ken indicated that 3500 currects is the damaging flow level for Brisbane urban areas.	Correspondence	В
	The manual documents 4000 curvecs as the demaging level, JR undertook to take this into consideration when preparing the current situation report, and would not refer to damage levels.		
1	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	В
	SDWD Model Updated - SDWD-201101100100withnorain.xls RA called Ray Ballinger (Somerset Dam) regarding purported dam stability issues (via Tony Trace - two reports received). Ray	Model Run Correspondence	B
	confirmed that inspection had revealed no issues. FOC Situation Report at 01:00 hrs on Monday 10 January 2011 Rubfull -Very heavy rainfall has been reported in the Upper Bristiane and Stanley Rivers in the last 12 hours with totals up 100 to 240mm. Totals for the last 24 hours range from 100 to 300mm. -Rainfall of similar imagnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks sputh. -A severe weather warning remains current for heavy rainfall in the dam catchment areas. North Pins Dam (Full Supply Level 39.60 m AHD) -The dam level was 39.95 m and steady. Five gates are open releasing 445 m3/s. The inflow into the dam since the commencement of the events 42.000 ML. Estimated event volume is 57,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011.	Situation Report	ji.
	Somerset Dam (Full Supply Level 98,00 m AHD) - The dam level is 102.22 m AHD and rising quickly (storing 157,000 ML above FSL). Peak inflow to the dam is estimated to be about 4,200 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five sluice gates are open releasing about 1,100m3/s (95,000M/d) into Wivenhoe Dam. At this stage the dam will reach at least 102.5 on Monday atSince the commencement of the event on 02/01/2011approximately 115,000ML has been released from the dam into Wivenhoe, stages the commencement of the event on 02/01/2011approximately 115,000ML has been released from the dam into Wivenhoe, stages the commencement of the event on 02/01/2011approximately 115,000ML has been released from the dam into Wivenhoe, stages the commencement of the event on 02/01/2011approximately 115,000ML has been released from the dam into Wivenhoe, stages the commencement of the event on 02/01/2011approximately 115,000ML has been released from the dam into Wivenhoe at 102.5 m Market No.5		
	Whenhoe Dam (Full Supply Level 67.00 m AHD) - River levels upstream of the dam are rising quickly with significant inflow being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already reached 7,350m3/s and the river has just peaked at 23:00 on Sunday 9 January. - The dam level is rising quickly, with the current level being 68 80m AHD (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R sione may reach as high as 8,800m3/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. - The objective for dam operations will be to minimise the impact of urbin flooding in areas downstream of the dam and, at this stage, releases will be kept below 3,500m3/s and the combined flows in the lower Brisbane will be limited to 4,000m3/s if possible. - Fernvale Bridge approaches and Mt Crosby Weir Bridge have been inundated and both bridges are now closed or are in the process of being closed.	Situation Report	
	Issued Wivenhoe Directive #9. • Open Gate 1 from 2.0 metres To 2.5 metres At 02:00 • Open Gate 5 from 2.0 metres To 2.5 metres At 03:00 • Open Gate 2 from 2.5 metres To 3.0 metres At 04:00 • Open Gate 6 from 2.5 metres To 3.0 metres At 05:00 • Open Gate 6 from 2.5 metres To 3.0 metres At 06:00 • Open Gate 2 from 3.0 metres To 3.5 metres At 06:00	Directive	В
3:00 AM	SDWD Model Updated - SDWD-201101100300withnorain xls	Model Run	JV
4:10 AM	NPD model updated - NPD-201101100300.xls NR discussed Whenhoe status and release strategy with Doug Grigg. SDWD Model Updated - SDWD-201101100500withnorain.xls	Model Run Correspondence	JV BS
5:00 AM (Graham Francis called and discussed Somerset situation with RA.	Model Run Correspondence	JV BS
5:05 AM	NPD model updated - NPD-201101100500 xls Rob Drury called and received situation update from JR.	Model Run Correspondence	JV BS
5:20 AM 5	RA called BoM regarding next forecast update - due at 9:00 am. Send out situation report for this morning.	Correspondence Correspondence	B
6:30 AM	FOC Situation Report at 95:00 on Monday 10 January 2011 Rainfall Moderate to heavy rainfall has been recorded in the Upper Brisbane and Stenley Rivers in the last 12 hours with totals up to 90, mm. Totals for the last 24 hours range from 100 to 325mm. Mit Glorious recorded 100 mm in the last 12 hours. Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south. A severa weather warning remains current for heavy rainfall in the dam catchment areas. North Pine Dam (Full Supply Level 39:50 m AHD) The dam level was 39.97 m and steady. Five gates are open releasing 475 m3/s. The inflow into the dam since the commencement of the event is 52:000 ML. Estimated event volume is 72:000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011. Somerset Dam (Full Supply Level 99:00 m AHD) The dam level at 05:00 was 102.64 m AHD and rising (stating 193:000 ML above FSL). Peak inflow to the dam is estimated to be about 4:200 m3/s based on observed rainfall and could be as high as 5:000m3/s with additional forecast rainfall. Five stude gates a Since the commencement of the event on 02/01/2011 approximately 142:000ML has been released from the dam into Wilvenhoe, y	Situation Report	LV/ JR
h b n N -s T	Afvenhoe Dam (Full Supply Level 67.00 m AHD) River levels upstream of the dam have peaked and are falling slowly with significant inflow being generated from the intense reasy rainfall. Flows in the Brisbane River at Gregor's Ck have peaked at 7,350m3/s at 23:00 on Sunday 9 January. This peak is sligger than January 1974, and February 1998 at this location. The dam level is rising quickly, with the current level being 70.77m AHD (storing 450,000 ML). Estimated peak inflow to the dam ust from the Upper Brisbane R is around 8,800m3/s and, at this stage, the dam will reach at Jeest 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it was necessary to start to increase the release from Wilvenhoe during wonday morning. The objective for dam operations will be to minimise the impact of urban flooding in areas downstream of the dam and, at this large, releases will be kept below 3,500m3/s and the combined flows in the lower Brisbane will be limited to 4,000m3/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000 m3/s.	Situation Report	
	Suced Wivenhoe Directive #9. Open Gate 4 from 3.0 metres To 3.5 metres At 07:00 Open Gate 1 from 2.5 metres To 3.0 metres At 08:00 Open Gate 5 from 2.5 metres To 3.0 metres At 08:00 Open Gate 5 from 2.5 metres To 4.0 metres At 10:00 Open Gate 4 from 3.5 metres To 4.0 metres At 11:00	Directive	LVE

MA OE:8	ACTION Issued Wivenhae Directive #10.	Directive	INIT
	Open Gate 4 from 3.0 metres To 3.5 metres at 07:00 Open Gate 1 from 2.5 metres To 3.0 metres at 08:00 Open Gate 5 from 2.5 metres To 3.0 metres at 09:00		
8/38 AM	Talked to Peter Baddley BCM) 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	Correspondence	LV
9:38 AM	potential runoff for the next 24 hrs. Conference call with Ken Morris (BCC) - informed them that release from Wivenhoe will be maintained at 2000m3/s for the next 24 hrs. This will be revised in 24 hrs. The strategy is to limit the flows to 3000 - 3500m3/s, at 3500m3/s about 322 (the whole property) will be submerged and about 7000 properties will be affected somehow damage bill \$7mil). If the rainfall in the Bremmer and Lockyer increases substantially - it is likely the flows from these catchments can peak at 1000m3/s (on top of Wivenhoe release).	Correspondence	LV
	Received QPF - 100mm in Brisbane and 150mm North Pine catchinent Received phone call from Mike Shetland (EMC) and Supt Alistair Dawson - Disaster Coordinator for this District - gave them the same information as what we gave Ken Morris before.	Other Correspondence	LV
	Called Jimmy Stewart (BoM) to inform that TM can do the model and with 800m3/s in the Bremmer the flows in Britishane will go up to 3600m3/s. BoM will discuss with BCC.	Correspondence	LV
11:14 AM 12:00 PM	Tony Trace (ICC) called to clarify our strategy. Save him the same info as above. Send out second situation report for today	Situation Report	LV
1:00 PM	SDWD Model Updated - SDWD-201101101300withnorain.xls FOC Situation Report at 12:00 on Monday 10 January 2011	Model Run Situation Report	JV TI
	Rainfall Significant rainfail has fallen in the Wivenhoe Dam catchment over the last 3 hours, with falls exceeding 100mm. This rainfall will significantly increase inflows into the dam. A savere weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (75mm to 130mm). Wivenhoe/Somerset Dam Catchments (50mm – 100mm). Potentially significant rain moving towards the dam catchments is currently evident on the BOM radar. Somerset Dam (Full Supply Level 99.00 m AHD) The dam (evel is 103.41m AHD and rising. Peak Inflow to the dam is estimated to be about 4,200 m3/s. Five stulies gates are open releasing about 1,100m3/s (95.00Miluday) into Wivenhoe Dam. At this stage the dam lake level will reach about 103.5m AHD on Monday afternoon. Areas around Kilcoy will continue to be adversely affected. Wivenhoe Dam (Full Supply Level 97.00 m AHD) The dam level is 72.41m AHD and rising quickly. The rainfall experienced over the last 2 to 3 hours will result in significant further. Five radial gates are currently open at the dam releasing about 2,000m3/s into the Brisbane River and this will need to be increase. The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keel impacts downstream of Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstrea. The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstrea. Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and Outlook.		
	Spoke with Peter Borrows (Seqwater) to answer elaborate on Situation Report and inform him of large rainfalls currently occurring in the Wivenhoe catchment.	Correspondence	LV
12:36 PM	Called BCC twice. No answer, so left messages. Talked to Tony Trace (ICC) informed him that we are moving strategy from urban damage control to dam safety priority.	Correspondence Correspondence	LV
12:41 PM	NPD operator called to inform FOC the level is dropping. Instructed them not to close gates - heavy rain fell in catchment. Send out third situation report for today.	Correspondence Correspondence	LV
2:30 PM	Called BCC 3 times before getting through to Flood information Centre (FIC), Discussed latest strategy with them i.e. changing	Correspondence	LV
3:00 PM	from "Flood Mitigation" to "Darn Safety". We will start opening Wivenhoe gates from 15:00. Called Disaster Coordinator, isn Stewart @ No answer. NPD model updated - NPD-201101101800 sts	Correspondence Model Run	LV
	Issued Wivenhoe Directive #11. Open Gate 2 to 4.0 m at 15:00 Open Gate 3 to 5.0 m at 15:00 Open Gate 1 to 3.5 m at 16:00 Open Gate 1 to 3.5 m at 16:00 Open Gate 5 to 3.5 m at 17:00 Open Gate 5 to 3.5 m at 17:00 Open Gate 2 to 4.5 m at 17:30 Open Gate 1 to 4.5 m at 17:30 Open Gate 1 to 4.5 m at 18:00 Open Gate 1 to 4.5 m at 18:00 Open Gate 1 to 4.0 m at 18:00 Open Gate 1 to 4.5 m at 19:30 Open Gate 1 to 4.5 m at 19:30	Directive	LV
3:15 PM	Had conference call with BoM. They agree with FCC on model discharge results. However, BoM included 6hrs of additional rain	Correspondence	LV
	which takes the discharge to 4500m3/s issued North Pine Directive #10, Gate E: Close to Increment 4, Gate C: Close to Increment 4.	Directive	LV
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	Correspondence	LV
5 00 PM	Tooksomba RC Issued North Pinc Directive #11 Gate B : Close to Increment 3. Gate D : Close to Increment 3. Gate A : Close to Increment 3. Gate E : Close to Increment 3.	Directive	LVI
5:00 PM	SDWD Model Updated - SDWD-201101101700withnorain.xis, SDWD-201101101700with50mmrain.xis	Model Run	JV
1	Agg (Somerset Dam) phoned and reported water from Wivenhoe in getting into the hydro FDC Situation Report at 18:00 on Monday 10 January 2011	Correspondence Situation Report	LV
	Reinfall Only minor rainfall has been experienced in the North Pine Dam and Somerset Dam catchments with a catchment averages of ess than 20mm. However, significant rain has failion in the Wivenhoe Dam catchment over the last 6 hours, with zolated falls exceeding 100mm. This rainfall has significantly increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). Potentially significant rain moving (owards the dam catchments is currently avident on the BOM radar. North Pine Dam (Full Supply Level 29.60 m AHD) The dam (evel is 39.84m AHD and falling slowly (storing 8,000ML above FSL.). Five gates are open and releasing 362 m3/s. The nflow into the dam since the commencement of the event is 72,000 ML. Estimated event volume is 84,000 ML assuming no		
6:06 PM (urther rainfall. Releases from the dam will continue until at least Wednesday 12 January 2011. Set weather update from 8oM - the forecast now is - still more of the same of what we had today.	Other	LVI
6:43 PM F	FOC Situation Report at 18:00 on Monday 10 January 2011 Amintall Only minor rainfall has been experienced in the North Pine Darn and Somerset Darn catchiments with a catchiment averages of east brain 20mm. However, significant rain has failen in the Wivenhoe Darn catchiment over the last 6 hours, with isolated falls exceeding 100mm. This rainfall has significantly increase inflows into the darn. A severe weather warning remains current for heavy rainfall in the darn catchiment areas. The OPF issued by BOM at 10:00 estimates reinfalls for the 24 hours to 10:00 Tuesday as North Pine Darn (25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Darn Calchiments (25mm to 50mm, with isolated falls to 100mm). Potentially significant rain moving towards the darn catchiments is currently evident on the BOM radar.	Situation Report	TM
	calchment areas. The QPF issued by BQM at 10:00 estimates reinfalls for the 24 hours to 10:00 Tuesday as North Pine Darn 25mm to 50mm, with isolated falls to 100mm); Wivenhoe/Somerset Darn Calchments (25mm to 50mm, with isolated falls to		

DATE	TIME	ACTION	CATEGORY	INITIALS
		Wivenhoe Dam (Full Supply Level 67.00 m AHD) - The dam level is 72.92 m. AHD and rising quickly. Releases from the dam have been increased over the last 3 hours in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m3/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. The flash flooding experiences of beckyer Creek have been examined and are not expected to significantly increase Brisbane River flows above the current projection of 4000m3/s at Moggill. - Five racial gates are currently open at the dam releasing about 2,400m3/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m3/s. At this stage, the dam will reach about 73.8m AHD during Tuesday morning. - The objective for dam operations is currently to minimise the impact of urban flooding in areas downsteam of the dam and to keep river flows in the lower Brisbane River below 4,000m3/s if possible. This is significantly less than the current estimated combining at the contract of the contract of the contract of the current of th	Situation Report	
		The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstrear - Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and Outlook. Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The		
	6:45 PM	Brett Schultz (North Pine Dam) raised concerns with school groups using Lake Kurwongbah for rowing exercise while water is running over the spillway at 500mm. He was referred to Rangers	Correspondence	LVB
	7:20 PM	Issued North Pine Directive #12. Gate C Close to Increment 3. Gate B Close to Increment 2. Gate D : Close to Increment 2. Gate A : Close to Increment 2. Gate E : Close to Increment 2. Gate E : Close to Increment 2. Gate C : Close to Increment 2.	Directive	JW
	7:30 PM	Agg Digan (Somerset) called to inform that Somerset hydro is inundated with water, Agg believes he has located source of leak, has lightened seals to prevent further leakage. Agg also noted that there is oil in the water.	Correspondence	JW
	8:00 PM	SDWD Model Updated - SDWD-201101102000withnorain.xis, SDWD-201101102000-Lockyer.xis, SDWD-201101102000- TMinflows.xis	Model Run	1W
		Pater Baddilay (BoM) called to advise of situation regarding flows in Lockyer. Estimated very heavy localised rainfall (og. 600mm in faw hours) on Toowdomba escarpment to cause observed flood flooding. Will monitor via Glenore Grove gauging station.	Correspondence	1M
	20:45 PM	Brett Myatt (Segwater 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.	Co/respondence	JW
		Spoke to Peter Allen regarding strategies for reducing Wwenhoe 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 flesh flood to pass. Also endorsed concept allowing Wivenhoe HW to rise above 74 mAHD briefly.	Carrespondence	JW
		Provided Boyd, Wilson (ICC), with situation update. Issued North Pine Directive #13. Gate B ? Close to Increment 1. Gate D? Close to Increment 1.	Correspondence Directive	JW.
	21 45 PM	Issued North Pine Directive #14. - Gate A . Close to Increment 1 when level reaches 39,775 m - Gate E : Close to Increment 1 when level reaches 39,760 m	Directive	JW
	20:20 PM	Spoke to Peter Baddiley (BoM) regarding reducing Wivenhoe release to accommodate peak of Lockyer flash flood. Spoke to Rob Drury to give situation update. Rob agreed that if possible to reduce flow from Wivenhoe to accommodate Lockyer	Correspondence	JW
		Hash flood peak. FOC Situation Report at 00:00 Tuesday 11 January 2011	Correspondence Situation Report	JW RA
		Rainfall continues in the North Pine Dam, Somerset Dam and Wivenince Dam batchments with falls of generally less than 20mm since 18:00 today. However, some isotated falls in the Upper Brisbane River of up to 110 mm have been recorded at Monsildale in this time. This rainfall will increase inflows into the dam. A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isotated falls to 100mm). Withenhoe/Somerset Dam Catchments (25mm to 50mm, with isotated falls to 100mm). North Pine Dam (Full Supply Level 39:00 m AHD) The dam level is 39:80m AHD and falling slowly (storing 4,400ML above FSL). Five gates are open, releasing 153 m3/s. The inflow into the dam since the commencement of the event is 74:000 ML. Estimated event volume is 84:000 ML assuming no further rainfall, Releases from the dam will continue until at least Wednesday 12 January 2011 Somerset Dam (Full Supply Level 99:00 m AHD) The dam level is 103:40m AHD and falling slowly. Peak inflow to the dam is estimated to be about 4,200 m3/s. Total discharge into		
		Wivenhoe Dam (Full Supply Level 67,00 m AHD) -The dam level is 73.22m AHD and rising at about 50 mm/hour. Releases from the dam have been held at a rate of 2,750 m3/s. since 19:30 hours. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. -The Both has provided further advice about the flash flooding experienced in the upper state of Lockyer Creek. The trainfall responsible for this event was not observed at any rainfall stations but it is considered to be very significant. Flood levels in the Lockyer Creek actinhment will exceed maximum recorded levels in some stations in the upper catchment. This flow may result in increases in Brisbane River levels below the junction of Lockyer Creek. -Five radial gates are currently open at the dam refeasing about 2,750m3/s into the Brisbane River. At this stage, the dam will teach about 73.8m AHD during Tuesday afternoon. -The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m3/s if possible. This is significantly less than the current estimated combining the projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstrea. Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and -The Bold will provide further information regarding the magnitude of the flash flood event occurring in Lockyer Creek early Tuesda Outlook	Situation Report	
sday, 11 January 201	12:00 AM 12:15 AM 1:30 AM	SDIVID Model Updated - SDWD-201101110000withnorainxis NPD model updated - NPD-201101110000wits NPD model updated - NPD-201101110000wits Spoke to Ken Morris (BCO) to update on current release strategy. Spoke to Tony Trace (SRC), Somerset Regional Council offices were flooded and email addresses are no longer working. Tony	Model Run Model Run Correspondence Correspondence	JW 7W 7W
		can be emailed on tonelee@internode.on.net James Charalambous (BCC) called to confirm forecast peak height of 3, fin at Bristiane city gauge for Wednesday high tide. This is	Correspondence	JW
	10.000	based on 4600 current modelled by BoM. Provided James with update on current release strategy.	Charles have	10.00
	3:00 AM	SDWD Model Updated - SDWD-201101110300withnorain.xls	Model Run	JW

TIME 4:30 AM	Issued Samerset Directive #5	Directive	INITI
	Please close Sluice J at 05:00 Please close Sluice N at 06:00	1401.012	
	Please close Sluice K at 07:00		
5 00 AM	Issued North Pine Directive #15.	Directive	JV
	Gate A : Open to Increment 2 at 6:00 am	C-m	
5:15 AM	Spoke to Peter Baddlley (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	Correspondence	JV
5 45 AM	significant additional rainfall in upper Brisbane during the night.	Directive	JV
	Gate D, Open to Increment 2 at 6:00 am		
6 00 AM	issued North Pine Directive #16. • Gate B; Open to Increment 2 when level reaches 39.820	Directive	JV
	Gate C: Open to increment 3 when level reaches 39.835 Gate E: Open to increment 3 when level reaches 39.850		
	Gate A. Open to increment 3 when level reaches 39.865		
	Gele D: Open to increment 3 when level reaches 39,880		
6:12 AM	FOC Situation Report at 06:00 on Tuesday 11 January 2011	Situation Report	
	Reinfall - Rainfall continues in the North Pine Dam, Somerset Dam and Wivenhoe Dam catchments, isolated falls in the Upper Brisbane.		
	River of up to 125 mm have been recorded with widespread falls of 40 to 70 mm in the Somerset Dam catchment. This rainfall will increase inflows into the dam.		
	- There has also been 20 to 60 mm in the Lockyer Creek catchinent in the last 12 hours with fails of up to 30 mm in the Bremer		
	River. - A severe weather warning remains current for heavy rainfall in the dam catchment areas. The QPF issued by BOM at 16.00		
	estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with isolated falls to 100mm):		
	Wivenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm).		
	North Pine Dem (Full Supply Level 39,60 m AHD) The dam level is 39,80 m AHD and has commenced rising again (storing 4,400ML above FSL). Five gates are open releasing 177		
	m3/s. The inflow into the dam since the commencement of the event is 77,000 ML. Estimated event volume is 88,000 ML.		
	Wivenhoe Dam (Full Supply Level 67.00 m AHD) - The dam level is 73.51m AHD and rising at about 25 mm/hour. Releases from the dam have been held at a rate of 2,750 m3/s	Situation Report	
	since 19:30 hours on Monday 10 January 2011. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing.		
	- The BoM has provided further advice about the flash flooding experienced in the upper areas of Lockyer Creek. The rainfall		
	responsible for this event was not observed at any rainfall stations but it is considered to be extreme. Flood levels in the Lockyer Creek catchment will exceed maximum recorded levels in some stations in the upper catchment. This flow will result in increases		
	in Brisbane River levels below the junction of Lockyer Creek.		
	- Five radial gates are currently open at the dam releasing about 2,750m3/s into the Brisbane River. At this stage, the dam will reach just over 74.0m AHD during Tuesday evening.		
7:00 644	- Above EL 74.0m AHD the objective for dam operations is to maintain the security of the dam and minimise downstream flood SDWD Model Updated - SDWD-201101110700withnorain.xls	Marter D.	-
7:00 AM	NPD model updated - NPD-201101110700 xis -	Model Run Model Run	JA.
7:15 AM	Issued North Pine Directive #17, • Gate B: Open to increment 3 when level reaches 39,895	Directive	JV
	Gate C; Open to increment 4 when level reaches 39,910		
	Gate E: Open to increment 4 when level reaches 39,925 Gate A: Open to increment 4 when level reaches 39,940		
	Gate D; Open to increment 4 when level reaches 39.955 Gate B; Open to increment 4 when level reaches 39.970		
7:20 AM 7:22 AM	TM called Peter Borrows to appraise of latest situation of Wivenhoe and lower Brisbane TM called BoM to appraise of situation, BoM unable to talk and will call back.	Correspondence Correspondence	DF DF
7:35 AM	Peter Baddiley of BoM called back. Full appraisal of SEQWater strategy, Both SEQWater and BoM models results were discussed in detail, and generally agreed with each other.	Correspondence	DF
7:51 AM	Called Matthew O'Rielly (Wivenhoe Dam) advised that gates opening at Wivenhoe are imminent	Correspondence	DF
7:56 AM 7:59 AM	TM called BoM. Advised Jimmy Stewart and Peter Beddiley that Wivenhoe will rainp up to a minimum release of 3700m3/s. JT called Peter Borrows (Segwater) and advised that releases from Wivenhoe will reach 3700m3/s at a minimum, and BoM has	Correspondence Correspondence	DF DF
	been informed. Likely to affect Moggili 24 hours later. Phone call terminated due to bad connection.	I P J W SW	1
8:00 AM	issued Wivenhoe Directive #12, Open Gate 5 to 4,5 m at 08:00	Directive	DF
	 Open Gates 2 and 4 to 5.0 m at 08:30 Open Gate 3 to 5.5 m at 09:00 		
0.00			
	Peter Borrow returned call. JT advised that model to be run for BoM first and results to be past to BoM and BCC immediately. Rain likely to continue today	Correspondence	DP
	Bratt 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
0,10 AM	JT called Peter Allen to advise of current Wivenhoe situation - Will exceed EL74m. Ramping up gate opening to a minimum of 3700 and gate operations will progress.	Correspondence	DP
8:11 AM	TM called BCC flood information centre (Duty Officer - James), Wivenhoe releases will reach 3700m3/s at a minimum and higher	Correspondence	DP
8:15 AM	flows are possible. NPD Directive # 16 An Interval of 15 minutes is to be used between gate movements.	Directive	DP
	Gate C: Open to increment 5 when level reaches 39,985 Gate E: Open to increment 5 when level reaches 40,000		- 7
- 1	Gate A: Open to increment 5 when level reaches 40:015		
	Gate D: Open to increment 5 when level reaches 40,030 Gate B: Open to increment 5 when level reaches 40,045		
	Please also confirm by fax once these gate operations are complete. JT called Rob Drury to advise of the situation that Wivenhoe will increase to 3700m3/s as a minimum.	Constraint	- 2-
8:16 AM	TM called SRC and left a message.	Correspondence Correspondence	DP DP
8:20 AM	JT Called Matthew (Wivenhoe Dam) and advised more gate opening directives are coming. TM called Tony Trace (ICC) to advise of situation and that Wivenhoe releases to be at a minimum of 3700m3/s	Correspondence Correspondence	DP DP
8:25 AM	JT called Brett Schultz (North Pine Dam). Verbal directive to open gates, faxed directive to follow before 9am.	Correspondence	DP
8;50 AM	Peter Borrows (SEQwater) called TM mobile requesting 'worst case' scenario Doug from Wivenhoe called informing that Wivenhoe has lost power, high yollage fuse blown. Hydro outlet is shut off.	Correspondence Correspondence	DP
9:00 AM	Issued Wivenhoe Directive #13. Open Gates 2 and 4 to 5.5 m at 09:30	Directive	DP
	Open Gates 1 and 5 to 5,5 m at 10:00		
	Open Gate 3 to 6.0 m at 10:30 Open Gates 2 and 4 to 6.0 m at 11:00		
	Open Gates 1 and 5 to 6.0 m at 11:30		
	JT called SEQWater maintenance (Jc Misner) advised that Wivenhoe has lost power, possibly blown high voltage tuses. JO to	Correspondence	DP
	resolve issue 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.	Carrespondence	DP
	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	Correspondence	DP
9:21 AM	downstream can be expected. Strathpine Rd (Old Gymple Rd) to be flooded within next hour. Agg from Somerset called TM. Water Ingress through doors at the bottom of dam	Correspondence	DP
222 AM	JT advised Brett (NPD) that Strathpine Rd is expected to be closed. JT advised Brett verbally that all gates can go to 9 increments based on water level as per manual.	Correspondence Correspondence	DP DP
MA 04:E	TM called MT and requested a technically knowledgeable person be dispatched to test HF radio links and satellite phone are in	Correspondence	DP
	working condition Voicemail: Jo Misner left message, He's contacted Energex and Energex suspect a dirty feed. Currently all helicopters are	Correspondence	DP
	grounded. Garry Ludlow is lead at Mt Crosby. Energex will get as close as they can and get helicopter lift when possible. NPD model updated - NPD-201101111000 xls.	7	
	Broft (North Pine Dam) called to report Lake level at EL 40.490mAHD. All gates currently at setting No. 10.	Model Run Correspondence	JW
0:25 AM		Correspondence	DP
0:25 AM	Stan from SEQWater called TM. In conference with Barton Marr, internal questioning of release strategy, internal discussion regarding current approved strategy.	Correspondence	-
0:25 AM 0:29 AM 0:45 AM	Stan from SEGWater called TM. In conference with Barton Marr, Internal questioning of release strategy, Internal discussion regarding current approved strategy, JT advised MBC (Ed Hamold) of current situation. Rob Drury called. Bad line and disconnected.	Correspondence Correspondence	DP DP

TIME 11:01 AM	ACTION Message received by JT. Kilcoy police rang Somerset, JT advised general status information to be provided by dam operators, predictions to go through FOC.	Carrespondence	DF
11.02 AM	Peter Borrows (Seqwater) requested update on situation.	Correspondence	DF
	JT called Doug (operator) , Discussed that if forecast rain falls, fuse plug likely to go. FAX not working at Wivenhoel	Other	DF
11:07 AM	Jimmy Stewart (BoM) called, Inflow into NPD of 1500currecs, Advised Wivenhoe strategy to be revised.	Correspondence	DF
	Barton called TM - on the way to talk to Grid Manager. TM advised current strategy is 3 hourly. JT called Ed Haold. Advised North Pine still rising, Current releases to exceed 2000curnoes.	Correspondence Correspondence	DF
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.	Carrespondence	DF
	TM called Both. Unable to contact Peter Baddiley. Will call back.	Correspondence	DF
	JT called Peter Burrows and advised that releases at Wivenhoe will be ramped up to 4000cumers and strategy will be revised on an hourly basis. In reality releasing slightly less than the Flood Ops manual. Incoming Phone call from Rob Ayre, Advised SS that Wivenhoe will ramp up to 4000cumers. Also advised that staff likely to stay in	Correspondence	DF
	offices overnight. JT called Ed Hammon and left message again. Outflow will exceed 2000cumecs	Correspondence	DF
11:57 AM	JT called Elano: Davidson, Left message: North Pine Dam outflow likely to exceed 2000cumecs.	Correspondence	DF
	JT called Tony Martini. Left message, cutflow from North Pine Dam will exceed 2000cumces. Issued Wivenhoe Directive #14. Open Gates 2, 3 and 4 to 6.5 m at 12:00 Open Gates 1 and 5 to 6.5 m at 12:30 Open Gate 3 to 7.0 m at 13:00	Directive	DF
	Brett (North Pine Dam) called to report take level at EL 40 883 mAHD. Gates are currently set at setting 16. Kim Hang called from FOC satellite phone. Made contact with Somerset and North Pine. Connection assues with Landline to	Correspondence Correspondence	DF
	Wivenhoe. SitRep 1200 11/1/2011	Situation Report	
	Somerset/Whenhoe Our current strategy involves around trying to prevent initiation of the first fuse plug at EL.75.8m. If this happens we will get a rapid increase of about 2,000m3/s in outflow from the dam in addition to the gate release which could be as high as 4,500 to 5,000m3/s at the time. However, it may be that fuse plug initiation might provide a lower outflow than increasing the gate outflow to protect it. In this case, we would adopt an atternate scenario. Sluices have been closed at Somerset and this will result in high upstraam water levels affecting Killopy. With no further rainfall, Wivenhoe will approach 75.0m AHD and there will be an attempt to limit the dam outflow to 4,500m3/s, however this strategy currently being reviewed on an hour by hour basis. The release will be 4,000m3/s by 1300. -With 50mm rainfall in the Stanley and Upper Brisbane in the next 12 to 24 hours, the release will need to be significantly increased to be in the order 6,000m3/s. - It should be noted that the flow in the lower Brisbane River in 1974 was about 9,500m3/s		
12:17 PM	-Wivenhoe has lost incoming mains power and are on backup power. Energex are attempting to rectify. Tony Martini called. TM advised discharge in excess of 1989 flood (1500cumecs), Current releases in excess of 2000cumecs.	Correspondence	DF
12:30 PM	Brett (North Pine Dam) called to report lake level is now at EL 40.950mAHD and rising. Gate settings at 17. Mile Marrison from Radiands ables requesting information for Legisla Marrison. Was told to add Cross Dispose.	Correspondence	DF
12:42 PM	Mike Morrison from Redlands shire requesting information for Lesley Harrison. Was told to call Craig Duncan Call from Glen Patternson. Asked what is required of the Northern dams. Was advised to monitor dams more closely when if 1 in	Correspondence Correspondence	DF
	50 year event occurs. Issued Wivenhoe Directive #15.	Directive	DF
	Open Gates 1,2, 4 and 5 to 7.0 in at 13:15 issued Wivenhoe Directive #18.	Directive	DF
	Open Gates 1,2, 3, 4 and 5 to 7,5 m		
	Brett Schultz (North Pine Dam) called to report Lake level EL 41,040 m AHD, Gate settings at setting 18, Peter Burrows (Seqwater) called and requested the FOC request the BoM to consider if Wivenhoe is releasing 9000cumecs.	Correspondence Correspondence	DF
1:44 PM	Jeff (North Pine Dam) called on Satellite phone to confirm it is operational.	Correspondence	DF
	Brett Schultz (North Pine Dam) called to report lake level at EL 41.105mAHD, Gates currently at setting 19.	Correspondence	DF
	SEQWater is continually revising release strategy, could be as high as 6500cumecs by lonight. If dam stabilise, then estimates may be reduce. TM also passed on information for BoM to consider the effects at Brisbane if Wivenhoe releases 9000cumecs.	Situation Report	DF
1:56 PM	Rob Drury requesting status update.	Correspondence	DF
	SDWD Model Updated - SDWD-201101111400withnorain.xls Issued Wivenhoe Directive #17.	Model Run	JV
E.00 F W	Open Gates 1,2, 3, 4 and 5 to 8.0 m	Directive	DF
2:15 PM	Issued Wivenhoe Directive #18.	Directive	DF
2:24 PM	 Open Gates 1,2, 3, 4 and 5 to 8.5 m Chertyn Wivenhoe SEQWater called to pass on message, Phil Wilson (Qld fire rescue) called to enquire about Wivenhoe Releases (0457 82) 919). Unable to call at this stage. 	Correspondence	DP
	Peter Borrows (SEQWater) called to discuss current situation.	Correspondence	DE
	Brett Schultz (North Pine Dam) called to report lake level steady at 41.110 for last 30 minutes. North Pine Dam is isolated as per conversation with Brett.	Correspondence Correspondence	DF
	NPD model updated - NPD-20110111500.xis	Model Run	JV.
3:06 PM	Stan Stevenson (SEQWater) called to enquire about the current release rate from Wivenhoe Dam.	Correspondence	DF
	Peter Burrows (Segwaler) called to discuss the proposed release of 10,000cumecs. JT and TM explained release strategy is constantly being revised. issued Wivenhoe Directive #19.	Correspondence Directive	DF
	Open Gates 1,2, 3, 4 and 5 to 9,0 m		
3:30 PM	Issued Wivenhoe Directive #20. Open Gates 1,2, 3, 4 and 5 to 9.5 m	Directive	DF
3:49 PM	Peter Baddley & Jimmy Slewart 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 1893 event (~8.36m in Brisbane Port Office)	Correspondence	DF
3:54 PM	Stan Stevenson (Segwater) called and talked to JT regarding current inflow strategy.	Correspondence	DF
3:58 PM	Called Brett Schultz (Wivenhoe Dam) to check if all is ok, levels are slowly reducing.	Correspondence	DF
4:15 PM	Issued Wivenhoe Directive #21. Open Gates 1,2, 3, 4 and 5 to 10,0 m	Directive	DF
4:29 PM	Lowood police rang to request water level of Wivenhoe and discuss the current release strategy with respect to the fuse plug	Correspondence	DF
4:33 PM	(conversed with John West). Phone call with TM and Peter Burrows, Discussed that even though the magnitude flood in Brisbane is similar to 1974 flood event.	Correspondence	DF
	the no-dam flood would be significantly larger without Wivenhoe. Peter Allen phone call. PA requested more technical information in the status reports released by Duty Engineers. PA will send	Correspondence	DF
4:41 PM	through an example of the technical data requested in the report. Issued Wivenhoe Directive #22.	Directive	
	Open Gates 1,2, 3, 4 and 5 to 10.5 m	Dis Grave.	DP
4:45 PM	Dave Roberts called to request update in inflow/outflow of Wiyenhog Dam.	Correspondence	DP
4:45 PM 4:46 PM		Model Run	DP
4:45 PM 4:48 PM 5:00 PM	SDWD Model Updated - SDWD-201101111700withnorain.xls JT called Brett Schultz (North Pine Daim) regarding gate operating strategy. JT advised to keep gates at current setting until water	Correspondence	
4:45 PM 4:46 PM 5:00 PM 5:12 PM	SDWD Model Updated - SDWD-201101111700withnorain.xls IT called Brett Schuttz (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. Issued Wivenhoe Directive #23:	Correspondence Directive	DP
4:45 PM 4:46 PM 5:00 PM 5:12 PM 5:15 PM	SDWD Model Updated - SDWD-201101111700withnorain xls 'IT 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. Issued Wivenhoe Directive #23; - Open Gates 12, 3, 4 and 5 to 11,0 m.	Directive	
4:45 PM 4:46 PM 5:00 PM 5:12 PM 5:15 PM 5:22 PM	SDWD Model Updated - SDWD-201101111700withnorain.xls Tricalled Brett Schutz (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. Issued Wivenhoe Directive #23; - Open Gates 1,2, 3, 4 and 5 to 11.0 m. Jimmy Stewart (BaM). TM and JR discussed current Wivenhoe inflows and anticipated outflows. TM confirmed that 7500cumecs is still likely early tonight.	Directive Correspondence	DP
4:45 PM 4:46 PM 5:00 PM 5:12 PM 5:15 PM 5:22 PM	SDWD Model Updated - SDWD-20110111790withnorain xis T called Brett Schultz (North Pine Dam) regarding gate operating strategy. JT advised to keep gates at current setting until water is clear of the conitols. Gate closing strategy then to follow Flood Manual. Issued Wivenhoe Directive #23; - Open Gates 1, 2, 3, 4 and 5 to 11.0 m. Jimmy Stewart (BoM), TM and JR discussed current Wivenhoe inflows and anticipated outflows. TM confirmed that 7500cumeca is still likely early foright. For the Child (North Pine Dam) called to report of NPD level EL 40.7 m AHO. JT verbally advised 10 minute gate closure intervals.	Directive	DP
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DATE	TIME	ACTION Bill Stevens called to inform team he is out off due to flood waters and unable to come in.	CATEGORY	INITIA
	6:41 PM	Tarong Energy confirmed releases from Splityard creek have stopped.	Correspondence Correspondence	DP DP
	7:00 PM	Daryl Hicky informed that tallwater gauge appears to be OOA. Confirmed by TM. Spoke to Brett Schultz who confirmed that North Pine gate settings were at 17, with level of 40.5. Closing sequence was still to	Correspondence	TM
	7:10 PM	close in 10 minute increments down to level 39.9, at which time increments would increase to 15 minutes. Brett Schultz at NPD rang is concerned that the level is dropping too fast.	Correspondence	AN.
		Issued North Pine Directive #19, • Gate B: Close to increment 11 at 19:45.	Directive	AN.
		- Gate D: Close to increment 11 at 20:00.		
		Gate A: Close to increment 11 at 20:15. Gate E: Close to increment 11 at 20:30.	1	
		Gate C: Close to Increment 11 at 20:45.		
		Doug Grigg (Wivenhoe Dam) called to report that Wivenhoe Level 74.87mAHD is holding. Brett Schultz (North Pine Dam) rang to say he is behind in gate settings.	Correspondence 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
		Peter Baddiley rang. Unofficially TM advised that things have stabilised, Also advised predicted peaks at various sites. Joe Meisner rang to advise that the high voltage feeder to Wivenhoe will not be restored for the duration of this event. JT advised.	Correspondence Correspondence	AN
	9,201 111	that Wivenhoe is operating successfully on the generator, and they have a fair bit of diesel. There are still 2 other backups to	3-4-4-4-1	
	8:25 PM	operate the gates. Chris Hughes at Colliers Building Services rang back. Rob Ayre asked about power supply to 179 Turbot Street. Chris said to email	Correspondence	AN
	8:30 PM	our power requirements. Doug Grigg (Wivenhoe Dam) called to advise that Wivenhoe's level is 5mm down.	Coffespondence	AN
		RA called Colliers Building Services and left a message to call back (regarding loss of power to the 179 Turbot Street) RA rang John Thornton (SunWater) to advise that power will be shutting down in the CBD tomorrow morning.	Correspondence Correspondence	AN
		Issued Somerset Directive #7.	Directive	AN
	8:35 PM	Fully Open Stuice L at 10:30. RA rang John Thornton to advise the power situation.	Correspondence	AN
		Peter Burrows (Segwater) called FOC to speak with all duty engineers on the operating strategies for Wivenhoe releases. MT called FOC to ensure we received the Energex message regarding power shutdown to the CBD,	Correspondence Correspondence	AN
		Warren Shallcross rang. Rob Ayre advised that Energex will be cutting power to the CDD in the morning. Warren will call Mike Minter and the security guys for Mineral House.	Correspondence	AN
		Brott Schultz (North Pine Dam) called to report NPD Level at EL 40,07mAHD. Gates are all at 11 increments.	Correspondence	AN
	9:55 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.	Conespondence	AN
	9:00 PM	RA emailed Chris Hughes with our building power requirements.	Correspondence	AN
	9:00 PM	Issued North Pine Directive #20, - Gate B: Close to increment 6 at 21:00.	Directive	AN
	1.73	Gate D' Close to increment 6 at 21;15		
		Gate Al Close to increment 6 at 21:30. Gate E: Close to increment 6 at 21:45.		
		Gata C: Close to increment 6 at 22:00.		
	9:00 PM	Issued Wivenhoe Directive #25.	Directive	AN
	9:05 PM	Close Gates 1,2, 1, 4 and 5 to 11.0 m TM rang Chris Lahey (BoM) to advise that power to the CBD may be cut and send him actual and releases report.	Correspondence	AN
		John Thornton called RA, John advised he spoke to Chris Hughes and is getting an Energex contact. Warren Shalloross rang. Mike Minter told him we may not be able to have air conditioning.	Correspondence 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 Directive	AN
		The last directive to lower the Wivenhoe gates to 11m should have been 11.5m, A new directive to raise to 11.5m, was issued.	7-0	
		Mal Lane (North Pine Dam) called. They are still behind in gate closures. Issued Wivenhoe Directive #26.	Directive	AN
	9-35 PM	Close Gates 1,2,3,4 and 5 to 11.5 m JT rang to discuss the latest directive to raise Wiventice 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-201101112200vithnorain.xls. John Thornton rang to advise the phone number for Steve from Energes	Model Run Correspondence	JW
		John Thornton rang requesting RA mobile number to pass on onto Energex. Issued North Pine Directive #21a.	Correspondence Directive	AN
		- Gate B: Close to increment 4 at 22:30 - Gate D: Close to increment 4 at 22:45		
		Gate A. Close to increment 4 at 23:00		
		Gate E: Close to increment 4 at 23:15 Gate C: Close to increment 4 at 23:30		
		Gate B: Close to increment 3 at 23:45		
		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	Correspondence	AN.
		power. Doug Grigg (Wiverihoe Dam) called to report lake level of 74.94mAHD @ 10.30hrs.	Correspondence	AN
		Doug Grigg (Wivenhoe Dam) called to report lake level of 74.92mAHD @ 11:00hrs. Issued Wivenhoe Directive #27 - note directive #28 was a duplicate and not sent	Correspondence Directive	AN
		Close Gates 5.1.4,2 and 3 to 10.0 m	Correspondence	
dnesday, 12 January 2011	11:30 PM	Rob Druty rang to request discharge from Wivenhoe when the gates are lowered to 10m. Advised 6100m3/sec. JW called Doug Grigg (Wivenhoe Dam) to obtain a current level. EL 74.97 Gates have been raised to 11.5m.	Correspondence	AN
	12:00 AM	Issued North Pine Directive #22. Gate D; Close to increment 3 at 00:15	Directive	AN
		- Gate A. Close to increment 3 at 00:30 - Gate E. Close to increment 3 at 00:45		
		- Gate C: Close to increment 3 at 01:00		
		Gate B: Close to increment 2 at 01:15		
		Doug Grigg (Wwenhoe Dam) called to report lake tevel of 74.88mAHD @ 12:30hrs. John Thornton (SunWater) called to provide Energex contact details; Steve, phone number Steve indicated that he	Correspondence Correspondence	AN
		didn't believe 179 Turbot St would be disconnected from power grid in the morning.		
	115 AM	RA rang Doug Grigg (Wiventice 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 Turbol Street is	Correspondence	AN
	1/15/084	cut. Issued Wivenhoe Directive #29.	Directive	AN
		- Close Gates 5,1,4,2 and 3 to 9,0 m	-	
	2:00 AM	Issued North Pine Directive #23. Gate D: Close to Increment 2 at 02:15	Directive	AN
		Gate A. Close to increment 2 at 02:30 Gate E. Close to increment 2 at 02:45		
		Gate C: Close to increment 2 at 03:00		
	2:10 AM	James Charalambous (BCC) rang enquiring about a release strategy. Advised one will be issued at about 3:00am. Talked about	Солевропделре	AN
	3:10 AM	the activities of the last 24 hours. JR rang Mal Lane (NPD) and advised no changes to gate settings planned for the rext hour or so.	Correspondence	AN
	3:15 AM	Issued Wiyenhoe Directive #30, - Close Gates 5,1,4,2 and 3 to 8.0 m	Directive	AN
		Brett Myatt (SEDWater Mt Crosby WTP) called enquiring about levels at Mt Crosby.	Correspondence	AN
	3:50 AM	RA called Chris Lahey (BoM) advising him that because inflows are not as much as earlier anticipated, the releases from Wivenboe are less than previously suggested.	Correspondence	AN
	4:05 AM	Ian Douglas, OIC of Lowood Police, rang enquiring about the Wivenhoe fuse plug, JW advised that there is no danger of the fuse plug falling, and that current releases from Wivenhoe Dam are about 4,900 currects.	Correspondence	AN
	4:15.AM	Issued North Pine Directive #24.	Directive	AN
		- Gate B. Close to increment 1 at 04:30 - Gate D: Close to increment 1 at 04:45		
		Gate A: Close to increment 1 at 05:00 Gate E: Close to increment 1 at 05:15		
	4:30 AM	Issued Wivenhoe Directive #31. Close Gates 5,1,4,2 and 3 to 7,0 m	Directive	AN.
		Brett Myatt (Segwater Mt Crosby WTP) rang to check that his emails with the Mt Crosby levels were being received. They are:	Correspondence	AN

TIME	ACTION	CATEGORY	INITIAL
5:15 AM 5:30 AM		Correspondence Correspondence	AN
:30 AM	Also advised the inflows into North Pine Dam were equivalent to a 1.10,000 event.	Directive	AN
	Close Gates 5,1,4,2 and 3 to 6.0 m	Directive	AN
MA 0E:	Close Gates 5,1,4,2 and 3 to 5.0 m		
:30 AM :49 AM		Situation Report	RA
	- No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected		
	over the next 24-48 hours. - Wivenhoe Dam peaked on the 11th January, Tuesday night at 19:00 at 74.97 mAHD with a corresponding discharge of 7,450		
	m3/s. The release have now been scaled back to 4,300m3/s at 05:00 am. Wivenhoe Dam is currently 74.77 m AHD and falling slowly.		
	- The releases from Wivenhoe Dam will be temporarily reduced to 2,500 m3/s to allow the peak of Lockyer Creek to enter the		
	Brisbane River, after which they will be increased to maximum of 2,500 m3/s. This release will then be maintained to drain the flood storage component within the required 7 days.		
	- Somerset Dam is at 105,10 mAHD and slowly rising. The dam is discharging 1,230 m3/s over the spillway. The dam is expected to peak this morning near its current level. Sluice gates will be utilised to assist the draining of the flood storage compartment.		
50 AM	commencing on Thursday. TM called Jim Stewart (BoM) advising him that we have significantly scaled back releases from Wivenhoe Darn, and will probably	Correspondence	AN
	continue to scale back more, Agreed that Savages Crossing has peaked.	240000000000000000000000000000000000000	
	SDWD Model Updated - SDWD-201101120600withnorain.xts North Pine Dam rang engulring about closing down, JT advised that we have not yet decided.	Model Run Correspondence	JW
	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
3:15 AM	Brendan Bradley (BCC) rang enquining the level of the pump station at Mt Crosby, JT said we can't help, but that he should contact	Carrespondence	AN
3:30 AM	the treatment plant, Brett Myatt. JT rang Doug Grigg (Wivenhoe Dam) advising that a directive will soon follow to lower gates to 5m.	Correspondence	AN
	Paul Martin rang. JT discussed current strategy. Liaised with Bureau reparding expected peak in lower Brisbane.	Correspondence Correspondence	AN.
	Issued Wivenhoe Directive #34.	Directive	KH
	Close Gates 1 and 5 to 3.5 m Close Gates 2 and 4 to 4.0 m		
7:50 AM	John Thornton (SunWater) called to confirm that 179 Turbot St had power.	Correspondence	JW
	Skuation Report 0800 Wed 12/01/2011	Situation Report	TM
	Reinfall No significant rain has fallen over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected.		
	over the next 24-48 hours.		
	Somerset/Wivenhoe		
	- Somerset Dam has peaked at 105.11 mAHD at 06:00 on 12 January 2011 and the dam is discharging 1,230 m3/s over the splitway. Stuice gates will be utilised to assist the draining of the flood storage compartment commencing later Wednesday.		
	- Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.75 m AHD at 07:30 and generally falling slowly.		
	- The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 to allow the peak of Lockyar Creek to		
	enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. This release will then be maintained to drain the flood storage component within the required 7 days.		
	- The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres.		
	North Pine		
8:20 AM 8:30 AM	Rob Drury rang enquiring current storage levels and releases. JT advised. Issued North Pine Directive #25,	Correspondence Directive	KH
9 20 AM	Gate E: Open to increment 2 at 08:45 Brett Schultz (North Pine Dam) rang wanting to speak to JT.	Correspondence	КН
9:50 AM	Ken from Lowood Police rang enquiring current storage releases from Wivenhoe Dam, JT advised.	Correspondence	KH
0:15 AM	Issued Somerset Directive #8. • Fully Open Stuice L at 10:30:	Directive	KH
0:20 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
0:50 PM	Sam (SEQWater) rang wanting to thank Neville for his and John's heroic effort in clearing SEQWater pasement.	Correspondence	KH
1:20 AM	MT called to inform that he and Caroline Ellis Mallard (Seqwater) are not able to access Environmon. He asked if TM can check the system.	Conespondence	кн
	Peter Borrows (Seqwater) called to ask that all communications be forwarded to him. NA called Mathew O'Reilly (Wivenhoe Dam) to advise that Segwater comms are to be switched off due to flooding of the Margaret.	Correspondence Correspondence	JW NGA
	Street offices. Please send all future hourly bulletins to the FOC vis fax, or alternatively, phone or TPG link.		
	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 buildins to the FOC via fax, or alternatively, phone or TPG link.	Correspondence	NGA
2:32 PM	Mick O'Haloran (Leslie Harrison Dam) called JT. Due to the fallure 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
	Peter Baddiley, Rob Tesse, Jim Stevenson from BoM visited FOC to liaise with the Duty Engineers,	Correspondence	NGA
	Barton Maher called to request electronic copy of Wiv - Som Flood Ops manual to be forwarded to him. Mathew (Wivenhoe Dam) called to report lake level: 74.79mAHD @13:00hrs. Note: Reading taken in surging water. Wivenhoe	Correspondence Correspondence	NGA-
2:05 PM	fax appears to have falled.		
97000	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 Ferrivale 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	Correspondence	NGA
3.16 P42	3 metres and any increase would be less than 1 metre.	5	4121
2:15 PM	Issued North Pine Directive #26. Gate E: Close to Increment 1 at 14:15	Directive	NGA
2:25 PM	Mathew (Wivenhoe Dam) called to report lake level: 74.51mAHD @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	Correspondence	NGA
	readings. He will continue to provide both versions at hourly intervals but will rely on the manual gauge readings for gate operations.	-	
2:45 PM	Issued North Pine Directive #27. Gate C: Close to increment 1 at 14:45	Directive	NGA
00 PM	Situation Report 1500 Wed 12/01/2011	Situation Report	TM
	Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm falls in the Stanley and North Pine catchments. There		
	is no significant rain expected fin the next 4 days.		
	Somerset/Wyenhou		
	 Someraet Dam has peaked at 105.11 mAHD at 05:00 on 12 January 2011. One stuice was opened at 1030 12 January 2011 and the dam is discharging 1,440 m3/s. Stuice gates will be utilised to drain of the flood storage compartment during the next 5 days. 		
	- Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe Dam was 74.81 m AHD at 15:00 and steady.		
	- The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 12 January 2011 to allow the peak of		
	Lockyer Creek to enter the Brisbane River. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. This release will then be maintained to drain the flood storage component within the		
	required 7 days		
	- The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2 million megalitres. Doug Grigg (Wivenhoe Dam) called to report lake level of 74.81mAHD @ 15:00hrs.	Correspondence	NGA
	Peter Baddiley (BoM) called TM to discuss re-appraisal of the expected flood peak in Brisbane. Peak now may be 5.2 metres early on Thursday 13/12011.	Correspondence	NGA
00 PM	SDWD Model Updated - SDWD-201101121600.xis	Model Run	WL
00 PM	Doug Grigg (Wivenhoe Dam) called to report lake level of 74.80mAHD @16.00hrs. Brett Schultz (North Pine Dam) called to report that Sideling Creek Dam is spilling at 20.560mAHD. Spillway level is 20.37mAHD.	Correspondence Correspondence	NGA NGA
	Ken Morris (BCC) called FOC and had phone conference with Duly Engs. He was seeking update for briefing with Lord Mayor.	Correspondence	NGA
	The same is a second that the same same same same same same same sam	22/ Capalideline	HON
	Could find (OCDIE and of FOC and life and oct of the country of th	Panagarant	47-1
: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. Carcilys Ellis Maliard has been contacted and will be joining the crew. Doug Grigg (Wivenhoe Dam) called to report lake level of 77.482mAHD @17.00hrs.	Correspondence Correspondence	NGA.

	TIME B:00 PM	ACTION Situation Report 1800 Wed 12/01/2011	CATEGORY Situation Report	INITIA
	5.00 FM	Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm falls in the Stanley and North Pine catchments. There is no significant rain expected fin the next 4 days.	Subalion Report	140
		Somerset/Wivenhoe		
		- Somerset Dam has peaked at 105.11 mAHD at 06:00 on 12 January 2011. One sluice was opened at 1030 12 January 2011. Somerset Dam was 104.87 mAHD at 1700 12 January 2011 and discharging 1,410 m3/s. Sluice gates will be utilised to drain of	1	
		the flood storage compartment during the next 5 days. - Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on 11 January 2011 with a corresponding discharge of 7,450 m3/s. Wivenhoe		
		Dam was 74.82 m AHD at 17:00 and steady. - The release from Wivenhoe Dam was reduced to 2,500 m3/s at 07:30 12 January 2011 to allow the peak of Lockyet Croek to	1	
		enter the Brisbane River and this release has been maintained since. After the downstream peak in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. The release is expected to commence Thursday and then be		
		Doug Grigg (Wivenhoe Dam) called to report lake level of 74.82 @19;00hrs.	Correspondence	MT
	1000	RA & JR advised Chris Laney (BoM) that FOC will be sending updated projected releases from Wivenhoe Dam. This has been prepared with the aim of limiting flows at Moggill to 3,500 cumecs.	Correspondence	MT
		RA & JR advised David (BCC Flood Information Centre) that FOC will be sending updated projected releases from Wivenhoe Dam This has been prepared with the aim of limiting flows at Moggill to 3,500 curnecs.	Correspondence	MT
	9:15 PM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.82mAHD @ 21.00hrs. They will now report levels every 2 hours. Doug Grigg (Wivenhoe Dam) called to inform that Energex restored power at Wivenhoe Dam at 21.15 hours.	Correspondence Correspondence	RA MT
	9:50 PM	Brett Myatt (Mt Crosby WTP) provided an update on Kholo & Mt Crosby: Kholo 19/15hrs 20,0m	Correspondence	TM
		MI Crosby 21:00 23.5m		
	10-00 DM	He lisked for a situation update. RA shared Wivenhoe Dam's release strategy.	2	
nursday 32 January 2011	12:00 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.81mAHD @22:00hrs. Will now report levels every 2 hours. Doug Grigg (Wivenhoe Dam) called to report lake level 74,79mAHD @ 00:00.	Correspondence Correspondence	MT
	1:05 AM	James (BCC) called FOC to enquire if Wivenhoe Dam has been compromised, JR assured him that that is not the case. RA called BoM hotline number to check communications.	Correspondence Correspondence	MT
	1:10 AM	BCC called the FCC 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 1:25 AM	Gareth Bossley (Queensland Police) called to Inform of rumours that Wvenhoe Dam has been compromised. JR called Doug Grigg (Wivenhoe Dam) to confirm Wivenhoe Dam has not been compromised.	Correspondence Correspondence	MT
	1:30 AM	AR called Rob Drury advising him about the rumours that Wivenhoe Dam has not been compromised. JR will send him the BCC contact details.	Correspondence	MT
	2:00 AM	Doug Gripg (Wivenhoe Dam) called to report level 74.785mAHD @ 2:00hrs.	Correspondence	MT
	4:00 AM 5:43 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.74mAHD 例4:00hrs. Will now report levels every 2 hours. Situation Report 0500 13 January 2011	Correspondence Situation Report	MT RA
	10.1	Reinfall Rainfall in the last 12 hours is generally below 5mm with isolated falls of up to 15mm in the Stanley, Lockyer and Pine River	2 2 777	7.00
		catchments. There is no significant rain expected fin the next 4 days.		
	1 1	Samersal/Wivenhoe		
	1	- Somerset Dam peaked at 10:31 mAHD at 06:00 on Wednesday 12 January 2011. The current level is 104,34 mAHD. One stude was opened at 10:30 on 12 January 2011 and the dam is currently discharging 1,130 m3/s. Sluice gates will be ullilised to	l. J.	
		drain of the flood storage compartment during the next 5 days. - Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7.450 m3/s.	Y.	
()		Wivenhoe Dam was 74.72 m AHD at 06:00 and commence to fall slowly. - The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m3/s at 07:30 on Wednesday 12 January 2011 to	P (
	3-4	allow the peak of Lockyer Creek to enter the Brisbane River. The Brisbane River has peaked at the Port Office Gauge early		
		Thursday morning. Releases from Wivenhoe Dam will be managed to achieve a target flow of around 3,500 m3/s at Moggill. This North Pine	Situation Report	
		At 05:00 North Pine Dam was 39,70 mAHD falling with all gates open 1 increment, telessing about 50 m3/s. North Pine peaked at 41,11 mAHD at 14:00 on Tuesday 11 January 2011 with peak release of 2,600 m3/s. The event has a volume of around 200,000	0.00	
1		ML. It is expected that all gates will be closed on Friday.		
	1.0	Strategy Committee Committ		
		- The Flood Operations Centre is continuing to mortitor minifalls and water levels throughout the Brisbane and Pina River catchments and reviewing operating strategy. The FOC will continue to maintain close contact with warning agencies and local		
		councils. - The next report will be issued at 18:00 on Thursday 13 January 2011.	1.	
	6:00 AM 6:43 AM	Doug Grigg (Wivenhoe Dam) called to report lake level 74.71mAHD @6.00hrs. Will now report levels every 2 hours. Peter Baddlley (BoM) called to inform that BoM has lost their telephone system. He provided 2 contact numbers	Correspondence Correspondence	MT
	1 10 10 10 10 10	3221-1580. Thornton St 4.45m Telemeter 4.20m Agg Dagan has been advising Kilcoy Police of the FOC strategy for lower Somerset during the next 24 hours of opening sluice later	Correspondence	RA
1	7:30 AM	Today Popular the Dear advanting raisely Foliate of the FOC statistics in the Commissed during the right 24 hours of opening static later today.		
			17-10-1	
	7:50 AM	Peter Baddilley (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
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DATE	TIME	ACTION Inches #28 Females	Directive	INITIA
	8:15 PM	Wivenhoe directive #35 asued Open Gate 2 from 5.0 metres to 5.5 metres at 2100	Directive	UP
		Open Gate 1 from 5.0 metres to 5.5 metres at 2200. Open Gate 1 from 5.0 metres to 5.5 metres at 2300.		
		Open Gate 5 from 5.0 metres to 5.5 metres at 2000. Open Gate 3 from 5.5 metres to 5.0 metres at 0100 on 14/1/11		
		Open Gate 3 from 5,5 metres to 6,0 metres at 0200		
	8:28 PM	Open Gate 3 from 5.5 metres to 6.0 metres at 0300 Somerset directive #11 issued	Directive	DP
	8:30 PM	Fully Open Stulce N at 21:00. Rob Ayre called Graham Francis to advise of directive #11.	Correspondence	DP
	8:41 PM	Rob Ayre called Rob Drury top advise of current release rates from Wivenhoe, Somerset and North Pine Darns	Correspondence	DP
Friday, 14 January 2011	12:46 AM	David Prestor of Ipswich District (Fernwale) 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	Carrespondence	DP
	12:47 AM	will confirm with the operators. Rob Ayre called Ray Ballinger at Somerset to enquire to the integrity of Somerset Dam. Operator indicated all was good and no	Correspondence	DP
		anomalies have been detected.		
		RA called David Preston back on 3817 1436 to confirm that Somerset was recently inspected and all was ok. Rob Ayre called Shane Watson to advise commencement of shut down of gates in accordance with Directive #30:	Directive	DP DP
	7000	Please undertake the following gate operations commencing at 03,15 on Friday 14 January 2011.		
	1 (The interval between gate operations is to be 15 minutes.		
	1	Gale A: Close to 1 increment at 03.15		
		- Gate E: Close to 1 Increment at 03:30 - Gate C: Close to 1 Increment at 03:45		
		Fully Close Gate B at 04:00		
	H 5	+ Fully Close Gate D at 04:15		
		+ Fully Close Gate A at 04:30 + Fully Close Gate E at 04:45		
	F 4 7 444	Fully Close Gate C at 05:00	Commendance	D.D.
	5:15 AM	Fax received from North Pine Dam confirming closure of all gates. Rob Ayre called MBRC to advise that North Pine Dam has closed the final gate at 5am.	Correspondence Correspondence	DP DP
	5 18 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 Kurwongbah level is 20.43 m.	Correspondence.	DP
		Rob Drury called to obtain a situation report. Rob Ayre provided the key information.	Correspondence	DP DP
		James C from BCC called requesting information for Wivenhoe Dam and checking sil-rep data: Enquired about flows throughout the event, TM advised that not currently in a position to discuss these.	Correspondence	
	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 Mogglil. A constant flow in the river was the plant	Correspondence	NGA
		as a consequence of Wivenhoe releases.		
	8:20 AM 8:21 AM	Barton Maher phoned TM. Enquiry regarding the Wivenhoe Dam fuse plugs (design calcs/parameters). Peter Borrows phoned the FOC. TM discussed with Peter Borrows the release strategy from Wivenhoe Dam with a view to opening	Correspondence Correspondence	NGA NGA
	75.72	the Fernvale Bridge and Mt Crosby Bridge at the earliest possible time. TM siso updated PB on the prejected City Gauge height over the next few days. This being ~2.5 metres due to continuous releases from Wivenhoe Dam.		
	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	Correspondence	NGA
	10:10 AM	operations. Agg Degan rang from Somerset Dam. Checking that all comms evenues (faxes & e-mails) are functioning. All good.	Correspondence	NGA
		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 currens. TM's response was NO I	Correspondence	NGA
	10:40 AM	Rob Keogh (SunWater) transmitted a message via Daryl Brigden (SunWater) to Barton Maher that the right bank abutment to Mt	Correspondence	NGA
	-	Crosby Bridge has suffered some erosion due to the flooding and there are concerns that the abuliment may be further affected by piping once the water level falls.		
	10:50 AM	Mutray Dunstan rang from North Pine. The dam cessed flood operations at 5:00am this morning and fish recovery and clean-up the been completed. Approx. 31 lung fish were rescued. Quite a number of dead lung fish and other species. Erosion damage	Correspondence	NGA
		downstream of the dam is severe with loss of vegetation, stripped and fallen trees, bank erosion, and many dead fish caught within		
	1 - 22	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.		
	12:33 PM	Mark Tan phoned TM, Request from Seqwater Corp Comms about hourly updates. Particular concern about NPD which caused flood operations at 5:00am this morning I! TM advised that updates from the dams would continue to be channeled solely through	Correspondence	NGA
	10.05 011	the FOC. All Cameton from DERM phoned TM. Re: Gauging exercise at Jindaice:-		1006
	12:35 PM	Soundtek M9 from boat (6 passes)	Correspondence	NGA
	12:37 PM	Jindalee gauging result:- 4,300m ² /sec at 6:45 metres AHD at 12:00 hrs Peter Borrows rang TM. Discussion about mis-informed reporting:	Correspondence	NGA
		TM rang Ken Morris at BCC seeking clarification on BCC's flood mapping. Ken Morris advised that at 3,500 curriecs, BCC records	Correspondence	NGA
	J. J.	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.		
	1:53 PM	Rob Drury rang TM. Routine call. Update on current status. Rob Drury rang TM. Routine call. Update on current status.	Correspondence Correspondence	NGA NGA
	3:30 PM	Matthew O'Reilly rang from Wivenhoe Dam with concerns about some 'swirling' apparent in the downstream tailwater opposite 'The	Correspondence	NGA
		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. TM rang John Tibaldi to discuss the "swirling" phenomenon identified by Matthew O'Reilly. Effect is at D/S and of plunge pool and is	Correspondence	NGA
	- Series	almost certainly a 'hydraulic jump'. JT advised the issue was not of concern unless the phenomenon moves toward the filip bucket.	Solloaballoaline	Hugh
	4:05 PM	TM phoned Matthew O'Relily at Wivenhoe Dam to pass on advice that John Tibaldi had no concerns about the 'hydraulic jump'	Correspondence	NGA
		phenomenon identified by him earlier today. Brett Myett phoned the FOC. TM advised Brett that the current release strategy from Wivenhoe Dam (and therefore flows past the	Correspondence	NGA
	1	Mount Crosby WTPs) would be maintained until at least Monday (17/1).		
	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&PM Conroy Bridge on the Wivenhoe Somerset Rd would be clear by temorrow (Salt) morning.	Correspondence	NGA
	7:00 PM	FOC change over.	Other	KH
Saturday, 15 January 2011		Somerset directive #40 issued	Directive	KH
		Open Gate 5 from 5.5 metres to 6.0 metres at 02:30. Rob Drury rang. Terry advised strategy to possibly go below FSL at Wivenhoe by Thursday.	Correspondence	AN
	5:42 AM	Peter Burrows rang to advise that the media come into the FOC today to take photos. Wivenhoe directive #41 issued.	Correspondence Directive	AN AN
		Open Gate 3 from 6.0m to 6.5m at 10:30.		
		Rob Drury rang to request a summary of the Operations Manual for Wivenhoe. Tarry 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 FCO at that time.	Correspondence	AN
		Peter Burrows rang to confirm a phone hook-up with the Minister and Peter Burrows at 2:00pm.	Correspondence	AN
		Terry Malone advised Rob Ayre to come into the FOC for the phone hook-up at 2:00pm. Peter Allen phoned about the Wivenhoe Flood manual summary. Terry Malone told Peter that the summary is with the other duty.	Correspondence Correspondence	AN
		engineers for checking before issuing. Rob Drury rang with some questions on the Wwenhoe 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 Boroughs, Joh Bradley and Bob Reilly to discuss a report for the minister by COB Sunday.	Correspondence	AN
		Wivenhoe directive #42 Issued.	Directive	.AN
		Open Gate 2 from 6,0m to 6,5m at 10:30. Rob Drury arrived to help write report for minister briefing.	Correspondence	AN
		Doug from Wivenhoe called to discuss strategy for the next 12 hours. Directive #43 sent to Doug at Wivenhoe:	Correspondence	DP
		Please undertake the following gate operations commencing at 22:00 on 15/01/2011	Directive	DP
	1	Open Gate 4 from 6.0 metres to 6.5 metres at 22:00. Please advise the Flood Operations Centre by fax once you have completed these operations.		
Sunday, 16 January 2011		Directive #44 sent to Doug at Wivenhoe; Please undertake the following gate operations commencing at 04:00 on 16/01/2011	Directive	DP

DATE	TIME	ACTION Called Doug at Wivenhos to confirm directive received via email, Directive being actioned ASAP.	CATEGORY Correspondence	INITIALS
		Called Doug at Weetmone to Commit directive received the area, pinetive peeting actioned Anny. Anthony Degan (Somerset Dam) emailed floodcentre indicating he believed floodcentre phones were out. Tried to contact Ag by office and mobile phones with no success (Telstra message bank on office phone and Ag's message on mobile). Floodcentre phones were checked - working OK. Problem is with Somerset phones. Believe fax also not receiving. Ag emailed to confirm they have local calls but no STD. Continued checking mobile - no response.	Correspondence	BS
	8:15 AM	Directive #45 sunt to Matt at Wivenhoe: Please undertake the following gate operations commencing at 09:00 on 16/01/2011 - Open Gate 5 from 6,0 metres to 5.5 metres at 09:00 on 18/01/2011. Please advise the Flood Operations Centre by fax once you have completed these operations.	Directive	DP
		Called Matt at Wivenhoe to confirm directive 45 received, Confirmed not received - busy status on fax confirmation. Confirmed directive received via email.	Correspondence	BS
	9:05 AM	Directive #12 sent to Ag at Somerset:: Please undertake the following operations: +Fully close Stude N at 10:00. Please confirm this gate operation by fax once you have completed the requested operations.	Directive	BS
	9:40 AM	Retried all phones at Somerset - no response, Ag emailed to confirm that all phones are down at Wivenhoe. Email is still working and he will be checking emails every hour on the hour.	Correspondence	BS
		Email confirmation received that Somerset Directive #12 Implementation has been completed. FOC contacted by police (Robbie Goodger - pi Anyre unable to contact whethous 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. If 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 falls and water supply to tollets. Matt also responded to Rob's call and confirmed the details.	Carrespondence	BS
	12:15 PM	Directive #46 sent (fex and email) to Matt at Wivenhoe (confirmed by phone): Please undertake the following gate operations commencing at 13:00 on 16:01/2011 - Open Gate 3 from 6.5 metres to 7.0 metres at 13:00 on 16:01/2011. Please advise the Flood Operations Centre by fax once you have completed these operations.	Directive	BS
	12:30 PM	Phone call from Matt (Wivenhoe) - neither fax nor email received. Verbal instruction given to implement gate operation as per	Correspondence	BS
	12:40 PM	Directive #46 and email resent. 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 "Modoom 2" and "Modef" have not been ported to the Linux box.	Carrespondence	BS
	12:55 PM	Rob Ayre advised Warren Shallcross about the situation at Mineral House, and he will visit the backup operations centre ASAP.	Dorrespondence	BS
		Ag (Somerset) called to report that the phones are now working.	Correspondence	BS
		Terry Malone spoke to Rob Ayre, Grid manager wants a summary of floot volumes and peak discharges. Warren Shallcross called - confirmed with Rob Ayre that the computer system at Mineral House has been rebooted and is	Correspondence Correspondence	BS
		Nunctional. Rob Drury rang to confirm current discharges. Confirmed 800 cumecs for Somerset and 3500 cumecs for Wiveninos (approx).	Correspondence	85
	3:15 PM	Directive #47 sent (lax and email) to Matt at Wivenhoe (confirmed by phone): Please undertake the following gate operations commencing at 16:00 on 16/01/2011 Open Gate 2 from 6.5 metres to 7.0 metres at 16:00 on 16/01/2011.	Directive	ES
		Please advise the Flood Operations Centre by fax once you have completed these operations. Directive #47 implemented - Gate 2 opened to 7.0 m.	Correspondence	BS
	6:45 PM	Wivenhoe Directive #48 sent (fax and email) to Wivenhoe Dam. Open gate 4 from 6.5 metres to 7 metres at 20:00 on 16/1/2011.	Directive	MT
	C. 45 1.77	Rob Ayre spoke with Doug Grigg (Wivenhoe Dam) about Directive #48 Wivenhoe strategy, Doug confirmed receipt of Directive. FOC change over.	Correspondence Other	TM
		Somerset Directive #13 sent (fax and email) to Somerset Dam. Fully close Sluice K at 22.00 on 161/2011. Fully close Sluice M at 03:00 on 17/1/2011. Fully close Sluice L at 07:00 on 17/1/2011.	Directive	МТ
	10:00 PM	Fully open Regulator 12 at 07:15 on 17/1/2011. Doug Grigg (Wivenhoe Dam) called to inform 3 floor panels missing from bulks.	Correspondence	MT
Anday, 17 January 2011	7,35 AM	Rob Drury called to get Sit Rep. Advised that Somerset should remain mobilised until further notice Agg Duggan called - discussed strategy i.e. operate cone valves only from now on	Correspondence Correspondence	LVB
		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
		Rob Drury called to enquire when closing down will start and reminded us to inform Councils Advise Peter Allen about inconsistency between readings form BoM and actual HW gauges	Correspondence Correspondence	LVB
	10:15 AM	Tony Jacobs SRC was contacted and advised gate close will commence this afternoon and Fernivale Bridge will be out of the water sometime Tuesday morning	Correspondence	LVB
		Chris Lavin BCC was contacted (left message) advising gate close will commence this afternoon.	Correspondence	LVB LVB
	11:15 PM	Tony Trace ICC was contacted (left message) advising gate close will commence this afternoon. Called Bret Myatt to inform him that flow in Lockyer is 75m3/s and falling.	Correspondence Correspondence	LVB
	1	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: Rob Dury called - Council wants to know draw down rates, so they can determine the effects on Coronation Dr. JR informed RD	Correspondence	LVB
		that Ken did not raise this when they spoke 10 mins before.	Correspondence	LVB
		Peter Burrows called saying he will email a revised copy of Michael O'Brain's document. 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 stumping have been identified further up the river. Council would like the recession of flow to be as flat as practicable but also that /eleases 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 rill planned unless we get more rain.	Correspondence	LVB
	2:00 PM	Send directive No 48 to Wivenhoe for gate closures for the next 80 minutes Close Gate 4 from 7.0 metres to 5.5 metres at 14.00 on 17/01/2011. Close Gate 2 from 7.0 metres to 6.5 metres at 14.20 on 17/01/2011 Close Gate 3 from 7.0 metres to 6.5 metres at 14.40 on 17/01/2011 Close Gate 5 from 6.5 metres to 6.0 metres at 15.00 on 17/01/2011	Directive	TAB
		Rob Drury called, asking for dates and times for Wivenhoe operations at the peak of the flood. Peter Badley form BoM called to confirm that he received the info on the discrepancy in the auto level recorder.	Carrespondence Carrespondence	LVB
		Send directive No 50 to Wivenhoe for gate closures Close Gate 4 from 6.5 metres to 6.0 metres at 15:20 on 17:01:2011. Close Gate 2 from 6.5 metres to 8.0 metres at 15:20 on 17:01:2011.	Directive	LVB
		Jim from BaM - they have not received menual observations for days.	Correspondence	LVB
	6:00 PM	Send directive Na 51 to Wivenhoe for gate closures on the half hour Close Gate 1 from 6.5 metres to 6.0 metres at 15.00 on 17/01/2011 Close Gate 3 from 6.5 metres to 6.0 metres at 16.20 on 17/01/2011 Close Gate 5 from 8.0 metres to 5.5 metres at 16.40 on 17/01/2011 Close Gate 1 from 8.0 metres to 5.5 metres at 17.00 on 17/01/2011 Close Gate 1 from 6.0 metres to 5.5 metres at 17/20 on 17/01/2011 Close Gate 2 from 8.0 metres to 5.5 metres at 17/20 on 17/01/2011 Close Gate 2 from 8.0 metres to 5.5 metres at 18.00 on 17/01/2011 Close Gate 3 from 6.0 metres to 5.5 metres at 18.00 on 17/01/2011	Directive	LVB
	6:30 PM	Send directive No S2 to Wivenhoe for gate closures - Close Gate 5 from 5.5 metres to 5.0 metres at 18:30 on 17/01/2011 - Close Gate 1 from 5.5 metres to 5.0 metres at 19:30 on 17/01/2011 - Close Gate 4 from 5.5 metres to 5.0 metres at 19:30 on 17/01/2011 - Close Gate 2 from 5.5 metres to 5.0 metres at 20:30 on 17/01/2011 - Close Gate 2 from 5.5 metres to 5.0 metres at 20:30 on 17/01/2011 - Close Gate 5 from 5.0 metres to 4.5 metres at 20:30 on 17/01/2011 - Close Gate 5 from 5.0 metres to 4.5 metres at 21:30 on 17/01/2011 - Close Gate 2 from 5.0 metres to 4.5 metres at 21:30 on 17/01/2011 - Close Gate 2 from 5.0 metres to 4.5 metres at 22:30 on 17/01/2011 - Close Gate 3 from 5.0 metres to 4.5 metres at 22:30 on 17/01/2011 - Close Gate 5 from 4.5 metres to 4.5 metres at 22:30 on 17/01/2011	Directive	ĽVΒ

DATE	TIME	ACTION	CATEGORY	INITIAL
	9:30 PM	Wivenhoe directive no.53 emailed to dam operators (fax machine at Wivenhoe Inoperative): Close Gate 5 from 4.5 metres to 4.0 metres at 23:00 on 17:01/2011 Close Gate 1 from 4.0 metres to 3.5 metres at 00:00 on 18:01/2011 *Close Gate 5 from 4.0 metres to 3.5 metres at 00:00 on 18:01/2011 *Close Gate 6 from 4.0 metres to 3.5 metres at 00:00 on 18:01/2011 *Close Gate 4 from 4.5 metres to 4.0 metres at 01:00 on 18:01/2011 *Close Gate 2 from 4.5 metres to 4.0 metres at 01:00 on 18:01/2011 *Close Gate 2 from 4.5 metres to 3.0 metres at 02:00 on 18:01/2011 *Close Gate 1 from 3.5 metres to 3.0 metres at 02:00 on 18:01/2011 *Close Gate 1 from 5.0 metres to 4.0 metres at 03:00 on 18:01/2011 *Close Gate 1 from 5.0 metres to 3.5 metres at 03:00 on 18:01/2011 *Close Gate 2 from 4.0 metres to 3.5 metres at 03:00 on 18:01/2011 *Close Gate 5 from 3.0 metres to 3.5 metres at 03:00 on 18:01/2011 *Close Gate 2 from 4.0 metres to 3.5 metres at 05:00 on 18:01/2011 *Close Gate 2 from 3.0 metres to 3.5 metres at 07:00 on 18:01/2011 *Close Gate 1 from 3.0 metres to 3.5 metres at 07:00 on 18:01/2011	Directive	JW
Tuesday, 16 January 2011		Peter Borrows called to inform that rapidly dropping water level at Lowood was causing issues with pumping for WTP. Asked if FOC could call John Granzien and then notify him via bt of the outcome.	Correspondence	JW
	12:35 AM	FOC contacted John Granzien in regards to pumping issues at Lowood. Terry decided to half all gate operations until further notice in order to ensure security of water supply to Lowood.	Correspondence	JW
	12:45 AM	Wivenhoe directive #54 issued; halting all gate operations at Wivenhoe until further notice;	Directive	JW
	1:00 AM	Txt message sent to Pater Borrows to advise of caasation 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	ńМ
	5:00 AM	Doug Grigg called to advise that Fernvalle Bridge was emerging from river, Current release 2054 currents.	Correspondence	WL
		Doug Grigg called to advise that the aproach to the Fernvale Bridge from the Fernvale side was still underwater due to water backed up in the quarry.	Correspondence	TM
	-	backed up in the quarry. Called John Granzlein to advise that Wivenhoe gate operations would recommence close down sequence from 9am as per priginal strategy. John to advise FOC if pumping operation at Lowood would benefit from additional 3 - 6 hours delay in gate operations.	Correspondence	JW
		Situation Report 06:15.18 January 2011 Rainfall There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week. Somersel/Miyenhoe At 16:00 Monday Somersel Darn was 99.02 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Darn. Somersel Darn peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. At 06:00 Tuesday Wenchoe Darn was 67:92 mAHD and continuing to fall slowly. Releases were held constant overright at about 2,050 m3/s to assist water supply pumping at Lowood Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Darn will be near full supply and releases will be made through the regulator to account for ongoing base-flow. Withorhoe Dan peaked at 74.49 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.	Situation Report	КР
		Doug Grigg (Wivenhoe) called to advise that Surveyor Bill Hewitt is taking a routine deformation survey	Correspondence	KP
		Ken Morris (BCC) enquired about preliminary assessment of magnitude of flood. Ken suggested that SEOWater, 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 darn on peak flow. Rob indicated that our prelim figure was 13000 currec peak at City Gauge without the Dams.	Correspondence	KP
	5:19 AM	Wivenhoe directive no.55 faxed and smalled to dam operators • Close Gate 4 from 4.5 metres to 4.0 metres at 09:00 on 18/01/2011 • Close Gate 2 from 4.5 metres to 4.0 metres at 09:00 on 18/01/2011 • Close Gate 5 from 3.5 metres to 3.0 metres at 10:00 on 18/01/2011 • Close Gate 5 from 3.5 metres to 3.0 metres at 10:00 on 18/01/2011 • Close Gate 3 from 5.0 metres to 3.0 metres at 11:00 on 18/01/2011 • Close Gate 4 from 4.0 metres to 3.5 metres at 11:30 on 18/01/2011 • Close Gate 4 from 4.0 metres to 3.5 metres at 11:30 on 18/01/2011 • Close Gate 2 from 4.0 metres to 3.5 metres at 11:30 on 18/01/2011	Directive	КР
	8 25 AM	Matthew O'Reilly (Wivenhoe) called to acknowledge Directive 55 Rob Townsley (SEQWater at Mt Crosby Phone 0419667834) has requested some forward projections for flows at Mt Crosby Weir	Correspondence	KP
	1	The Committee (accurated at the Colomby Professor Profes	Correspondence	KP
		18/1/2011 10:00 - 2300 cumecs 19/1/2011 10:00 - 1310 cumecs 20/1/2011 10:00 - 360 cumecs	Correspondence	KP
		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 cumers provided to Ken Morris earlier could be released to the public.	Correspondence	КР
		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 WO be released to anybody. Paul Bird will now communicate this response to the BCC Flood Info Centre and specifically Mark Gibson.	Carrespondence	КЬ
		Tony Jacobs (Somerset RC) requested info re when Burtons Bridge is expected to be free from hundation. 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 or New England Creek will become flood free at around the same time. Tony indicated that at at Sam today the approaches to Fernyale were clear of water. However, powerlines and silt need to be removed. He expects the bridge to be open this aftrnoon.	Correspondence	КР
	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 tat he and Bob Reilly (DERM) will come some and visit fine FOC at 2:30 this afternoon.	Correspondence	KP
	12:06 PM	Wivenhoe directive no.55 faxed and emailed to dam operators • Close Gate 5 from 3.0 metres to 2.5 metres at 12:30 on 18/01/2011 • Close Gate 1 from 3.0 metres to 2.5 metres at 13:00 on 18/01/2011 • Close Gate 4 from 3.5 metres to 3.0 metros at 14:00 on 18/01/2011 • Close Gate 2 from 3.5 metres to 3.0 metros at 14:30 on 18/01/2011 • Close Gate 4 from 3.0 metres to 2.5 metres at 15:30 on 18/01/2011 • Close Gate 4 from 3.0 metres to 2.5 metres at 15:30 on 18/01/2011 • Close Gate 2 from 3.0 metres to 2.5 metres at 15:30 on 18/01/2011	Directive	КР
	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
		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 Tibaidi called for an update of the closedown sequence	Correspondence	КР
	1.	Rob Ayre called Greg Roads of WRM re hydraulic model of Brisbane Rivorlogin and password not workingGreg not available at present.	Correspondence	KP
		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 Lowcod Pump Station are resolved.	Other	KP
	2:55 PM	Rob Ayre called Mat O'Reilly to direct a hold in gate operations to be confirmed by email	Directive	KP

TIME	ACTION	CATEGORY	INITIALS
3:00 PM	Wivenhoe directive no.57 emailed to dam operators Please cease gate operations as at 15:00 on 18/01/2011 so as to accommodate the repairs at Lowcod pump station. Current gate settings of :-		
	Gate 1 – Open 2.5 metres Gate 2 – Open 3.0 metres	Directive	KP
	Gate 3 - Open 4.5 metres Gate 4 - Open 3.0 metres		
	Gate 5 – Open 2,5 metres to be maintained for up to 12 hours		
1:05 PM	Rob Ayre called Mal Lane to alert him to the possibility of operating North Pine Dam with Incoming storms.	Correspondence	Kb
4:30 PM	Rob Drury rang noting the current storms and requested that Rob Ayre call Tony Murtini (Moreton RC) to advise of the possibility of operating North Pine Dam.	Correspondence	KP
34 PM	Ernail 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
45 PM	Rob Ayre rang Tony Martini (Moreton RC) to advise of the possibility of operating North Pine Dam in the next day or so if predicted falls of up to 50mm occurred.	Correspondence	KP
5:45 PM	Situation Report 18:00 18 January 2011		
	Rainfall There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week. Somerset/Mivenhoe At 16:00 Monday Somerset Dam was 99.02 mAHD and steady. The last sluke gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105:11 mAHD at 18:00 on Wednesday.	Situation Report	KP
	12 January 2011. At 06:00 Tuesday Wenhoe Dam was 67.82 mAHD and continuing to fall slowly. Releases were held constant overnight at about 2,050 m/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow. Wivenince Dam peaked at 7.45P mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m3/s.	Situation Report	~
25 PM	Rob Drury called to discuss situation report for North Pine.	Correspondence	КР
: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
: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
: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
05 PM	Neville Abilit phoned Roti Drury to provide an update on the NPD mobilisation and proposed gate openings.	Correspondence	NGA
: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
110 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
:15 PM	JT phoned Cynthia Grane (Seqwater) regarding JT's inability to access Citrix, Outage (?), Message left:	Correspondence	NGA
15 PM	JT phoned Rob Drury regarding Citrix comms outage. Message left requesting RD to intervene to have the problem fixed.	Correspondence	NGA
:20 PM	Lief from IT (Seqwater) rang and 'reset' Citrix for JT.	Correspondence	NGA
:20 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	NGÁ
7:35 PM	North Pine Dam directive no.31 faxed to dam operators Gate C. Open to 1 increment at 2030 - Tuesday 18/1/2011 Gate E. Open to 1 increment at 2045 Gate A. Open to 1 increment at 2100 Gate D. Open to 1 increment at 2115	Directive	NGA
7:40 PM	 Gate B: Open to 1 increment at 2130. 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 take level could fall well below FSL (- EL 65.00 77). 	Correspondence	NGA
: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
:45 PM	JT phoned Mick Drews (Seqwater) seeking info Re; Lowood. Mick referred JT to Daniel Roche.	Correspondence	NGA
:50 PM	JT phoned Daniel Roche, - reportedly on site at Lowood PS. No answer. Message left.	Correspondence	NGA
: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.
: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 take level and advised that an operations strategy for Somerset Dam yould be addressed within 30 minutes - following satisfactory mobilisation of NPD.	Correspondence	NGA
00 PM	Mark Millman (Seqwater - IT) phoned JT to check status of Citrix connection. Citrix connection is functioning.	Correspondence	NGA.
1:05 PM	Agg Dagan phoned from Somerset Dam. Current take level is EL 98,95. Unchanged from take level at 15:35 today.	Correspondence	NGA
: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
3:11 PM	To phoned Agg Dagan (Somerset Dam operator). Agg to send fax in with take level . Likely strategy will be to close off the regulator overnight and re-assess the situation in the morning.	Correspondence	NGA
3:12 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	Correspondence	NGA
1:15 PM	the Lowood WTP. 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
18 PM	Rob Drury rang the FOC to seek an update on operations at all 3 storages.	Correspondence	NGA
25 PM	JT confirmed on-site maining arrangements at Lowood with Graham Keegan.	Correspondence	NGA
30 PM	Somerset Dam operator advised FOC by fax that Regulator #12 had been closed as per verbal advice from JT.	information	NGA
	Wivenhoe directive no.58 emailed to dam operators - Close Calle 4 from 3.0 metres to 2.5 metres at 20,45 on 18/01/2011 - Close Calle 2 from 3.0 metres to 2.5 metres at 21:15 on 18/01/2011	Directive	NGA
8:40 PM		Correspondence	NGÁ
	JT contacted Doug G. at Wivenhoe. Gate closing directive pending.		
1:35 PM	Malcolm Lane phoned the FOC. MBRC have only just closed off Youngs Crossing Road. By the time the siren is sounded, the	Correspondence	NGA
1:35 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. 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 NPC through until 5:00am Wednesday 19/1. With this operating strategy. Young's Crossing	Correspondence Correspondence	NGA NGA
0:35 PM 0:55 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. Charlie, the Duty Officer at MBRC, rang JT to advise that Youngs Crossing Road was now closed. JT advised Charlie that it was		100

DATE	TIME	ACTION	CATEGORY	INITIAL
		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	Newlie Abilit phoned BCC and made contacted with Learne 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 Learne to investigate and call back the FOC.	Correspondence	NGA
	9:35 PM	Wiveninge directive no 59 emailed to dam operators Close Galte 5 from 2.5 metras to 2 0 metres at 22:00 on 18/01/2011 Close Galte 1 from 2.5 metras to 2.0 metres at 22:30 on 18/01/2011	Directive	NGA
	9:38 PM	Neville Ablitt contacted Doug G, at Wivenhoe Dam by 2-way radio to confirm his receipt of e-mail containing Directive #59. Doug also confirmed that the Wivenhoe fax machine is still inoperative. All written comms to be by e-mail.	Correspondence	NGA
	1	JT phoned Rob Drury. Wivenhoe release strategy discussed regarding Lowood WTP temporary offtake level, concerns about Coronation Drive bank slumping and take level at cessation of releases if targetted for tomorrow afternoon.	Correspondence	NGA
	9:53 PM	Chris Thortey from BCC's Flood Operations (Disaster Management) Centre phoned JT. Wyenhoe release strategy and effect on Coronation Drive discussed. BCC have no concerns about imminent ceassation of Wivenhoe releases. JT explained that it was more likely that the bdal 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
	1000	RD phoned JT. Release strategy and final lake level at gate closure at Wivenhoe discussed.	Correspondence	NGA
		Graham Keegan phoned JT. Situation at Lowcood is under control. JT advised Graham that the releases at Wivenhoe are planned to crease by early afternoon tomorrow (19/1).	Correspondence	NGA
		North Pine Dam directive no.32 (awd to dam operators Gate C: Open to 2 increments at 2230 – Tuesday 18/1/2011 Gate E: Open to 2 increments at 2240 Gate A: Open to 2 increments at 2300 Gate D: Open to 2 increments at 2300 Gate D: Open to 2 increments at 2316 Gate D: Open to 2 increments at 2316	Directive	NGA
	10:40 PM	Wivenhoe directive no 60 emailed to dam operators - Close Gate 5 from 2.0 metres to 1.5 metres at 23:30 on 18/01/2011 - Close Gate 1 from 2.0 metres to 1.5 metres at 23:30 on 18/01/2011 - Close Gate 1 from 2.0 metres to 1.5 metres at 20:30 on 18/01/2011 - Close Gate 3 from 4.5 metres to 2.0 metres at 00:00 on 19/01/2011 - Close Gate 2 from 2.5 metres to 2.0 metres at 00:00 on 19/01/2011 - Close Gate 5 from 1.5 metres to 1.0 metres at 01:00 on 19/01/2011 - Close Gate 1 from 1.5 metres to 1.0 metres at 02:00 on 19/01/2011 - Close Gate 1 from 2.5 metres to 1.0 metres at 02:00 on 19/01/2011 - Close Gate 1 from 2.0 metres to 1.5 metres at 02:00 on 19/01/2011 - Close Gate 2 from 2.0 metres to 1.5 metres at 03:00 on 19/01/2011 - Close Gate 5 from 1.0 metres to 0.5 metres at 03:00 on 19/01/2011 - Close Gate 1 from 1.0 metres to 0.5 metres at 04:00 on 19/01/2011 - Close Gate 4 from 1.0 metres to 0.5 metres at 04:00 on 19/01/2011 - Close Gate 4 from 1.5 metres to 1.0 metres at 04:00 on 19/01/2011 - Close Gate 4 from 1.5 metres to 1.0 metres at 04:00 on 19/01/2011 - Close Gate 4 from 1.5 metres to 1.0 metres at 04:00 on 19/01/2011	Directive	NGA
	11 45 PM	North Pine Dam directive no.33 faxed to dam operators - Gate B: Close to 1 increment at 0245 - Wednesday 19/1/2011 - Gate D. (Close to 1 increment at 0315 - Gate B: Close to 1 increment at 0315 - Gate B: Close to 1 increment at 0330 - Gate C: Close to 1 increment at 0330 - Gate C: Close to 1 increment at 0345 - Gate B: Fully Close at 0440 - Gate D: Fully Close at 0410 - Gate D: Fully Close at 0430 - Gate B: Fully Close at 0430 - Gate B: Fully Close at 0450 - Gate C: Fully Close at 0450	Directive	NGA
sday 19/01/2011	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	Same and	N/m 4
	4:38 AM	and came out of inundation approx 14:00 yesterday (18/1). The bridge has reportedly suffered some damage. Details unknown, JT advised Doug G, at Wivenhoe Dam that the strategy for further gate closures after 0500 was dependent on the outcome of a	Correspondence	NGA
	5:05 AM	discussion with Pater Borrows anticipated within the hour. Doug advised that the Fernvale Bridge was clear of floodwater but that it had powerlines down on /around it. Doug G. from Wilvenhoe Dam phoned the FOC to report that some erosion has occurred in the vicinity of the plunge pool	Correspondence	NGA
	5:10 AM	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. JT phoned Peter Borrows to obtain a Govt, view on how long to maintain releases and to where the lake level should be held	Correspondence	NGA.
	- 1	following closure of all gates. Timing of the gate closure might be dependent on the erosion issue. JT phoned TM to arrange for TM to relieve JT ASAP in the FOC as he is required to inspect the reported damage of Wivenho	Correspondence	NGA NGA
		Dam. JT phoned Barton Maher (Seqwater) to arrange a joint inspection of the erosion damage at Wivennoe Dam as reported by Doug G.	Correspondence	NGA
		the dam operator. 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 Wilvenhoe. An inspection ASAP is warranted.	Correspondence	NGA
	5:25 AM	Wivenhoe directive no.61 emailed to dam operators • Close Gate 5 from 0,5 metres to fully closed at 5:30 on 19/01/2011 • Close Gate 1 from 0,5 metres to fully closed at 6:00 on 19/01/2011 • Close Gate 1 from 1.0 metres to 0.5 metres at 6:30 on 19/01/2011 • Close Gate 2 from 1.0 metres to 0.5 metres at 7:00 on 19/01/2011	Directive	NGA
	5:30 AM	JT phoned Peter Allan (Dam Regulator) to advise that damage had been reported at Wivenhoe Dam by the operator. Initial information indicates that large boulders are piled up in the plunge pool D/S of the flip bucket. The source of these boulders is unknown as releases are still continuing from the gates. JT has arranged to inspect the site with Barton Maher in a few hours and an invitation was extended to PA as an interested party to attend the inspection. JT will provide updates as they come to hand.	Correspondence	NGA
	5:35 AM	Doug G, phoned JT on his mobile phone with an update report.	Correspondence	NGA
		JT phoned TM. Things seem to be O.K. but we will continue to close all gates by this afternoon.	Correspondence	KH
		TM phoned Flood Warning Centre advising that flood operation for current event will be shut down around lunch time.	Correspondence	KH
	2000	JT phoned TM asking whether we should run a regulator.	Correspondence	KH
		TM phoned JT regarding modelling results. TM phoned JT reparding modelling results. TM want to advise Doug G to stop at Gate 3 at 1 metra, but they agree to close as	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. JT has discussed the event closure with Peter Allen. It was agreed that the flood will be considered closed with the closure of the	Correspondence	кн
		gates at 1200. At that time, control of the dam will revert to Sequeter. 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 86.5). Received OPE - 15 mm - 25 mm generally beyond falls to about 5 flows in Revisions and North Plans catchinguists.	Correspondence	TM KH.
		Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments. ID about TM, Still containing until toxicity.		КН
		JR phoned TM - Still operational until tonight. Rob Townsley (SEQWater at Mt Crosby Shorted FOC requesting for peak flow at Mt Crosby Weir during the latest.	Correspondence	
	11:28 AM	event.	Correspondence	KH
	100 000	TM phoned JT confirming that JR and LvB will be on tonight.	Correspondence	KH
	100000000000000000000000000000000000000	TM phoned Rob Townsley advising that peak flow over Mt Crosby Weir was about 9150 currects.	Correspondence	KH
	100000000000000000000000000000000000000	TM phoned (left message with) MBRC regarding potential for closing operation tonight.	Correspondence	КН
	-	TM phoned (left message with) Murray Dunstan to call him back.	Correspondence	KH
	-	JT phoned TM stating that divers will investigate erosion d/s Wivenhoe Dam today.	Correspondence	КН
	_	Rob Townsley phoned TM discussing about the Information which TM sent.	Correspondence	RH
	1:39 PM	Matthew O'Rellly phoned TM advising Wivenhoe Dam EL is 66.89 m AHD.	Dorrespondence	KH

DATE	TIME	ACTION	CATEGORY	INITIAL
	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	Correspondence	KH
	4:00 PM	hour call centre number. She will send email to confirm all this. Received QPF - 15mm-25mm generally, heavier falls to about 50mm in Brisbane and North Pine catchments.	Other	KH
	-	Toni Martini from MBRC called to say that the alternate route @ Petri is open (sooner than the 9 PM forecast)	Correspondence	LVB
		Called Murray Dunstan to Inform him that NPD will be mobilised.	Correspondence	LVB
		Called Brett Schultz NPD to mobilise. The WL is approaching trigger level for gate opening.	Correspondence	LVB
		Called MBRC call centre to inform them that NPD will be operated. They called back and advised that they can close Young's.		
	9:20 PM	crossing by 11 PM. They will confirm once road is closed.	Correspondence	LVB
and the same of th		Brett Schultz called to confirm they are ready The gauge reading was 39.54 @ 9:30PM	Conespondence	LVB
sav 20/01/2011	2:00 AM	Send Directive 34 to NPD to start opening gates Send Directive 35 to NPD to start opening gates	Directive Directive	LVB
		Tony Martini from MBRC called regarding release at NPD. He was advised that the gates will be open open for a while yet. 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	Correspondence	LVB
	6;50 AM	time for the afternoon peak.	Correspondence	LVB
	7:20 AM	Rob Ayre called Tony Jacabbs at SRC to advise of flow in Lockyer Creek. Tony concerned about Burtons Bridge but RA indicated that we will endeavour to keep flows below 400 m3/s.	Correspondence	RA
	7:25 AM	RA called Tony Trace at Ipswich CC and advised of renewed flows in Lockyer Creek and Middle Brisbane R.	Correspondence	RA
	7:40 AM	RA called Chris Lavin at BCC and advised of increased flows in Lockyer Creek and Middel Brisbane. Advised that Savages Crossing and/will be Colleges Crossing are inundated. Estimated travel time 30 to 36 hours.	Сопевропоенсе	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	Correspondence	RA
		and then decide from there as to strategy.		
		Rob Drury called enquiring about the timeliness of the notice we gave to MBRC. Rob advised him accordingly. John West called (re Lowood pump station) enquiring time to peak (height and discharge). FOC response was about 9 hours with	Carrespondence	KH
	8:45 AM	height of about 3.7 m corresponding to 300 curnecs.	Correspondence	КН
	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.
		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		KH
	10:30 AM	day. 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	Tony 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	Correspondence	KH
	11:33 AM	cumecs from previous estimation. He also wants FOC to email him the Lowood rating curve. RA called Mal (re Directive 36)	Correspondence	KH
	-	RA called TM. TM will monitor situation overnight and RA will become Duty Eng again tomorrow.	Correspondence	КН
		Paul Bird (SEQWater) called to confirm whether we have closed all gates at Wivenhoe Dam. KH said yes.	Correspondence	. KH.
		Rob Drury called confirming NPD closure	Correspondence	KH
	1:35 PM	Peter Parnell (SEQWater) callied about Lowood pump motor sitting on the platform and wanting to know what flow will come down	Correspondence	KH
		from Lockyer. Rob said about 300 curnecs. TM called. Lou will be on tonight (KH should ring him this afternoon). Mt Crosby Weir gauge is broken so Water Treatment boys will		
	1:37 PM	give manual readings via BoM website. City gauge is currently reading 0.3 m high.	Correspondence	KH
	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.
	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. Hweever a 75mm branch was caught in the ropes of Cate B and may need to be removed before another operation. Murray Dunsath has organised for the Rangers to examine tomorrow.	Correspondence	RA
	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.
	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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