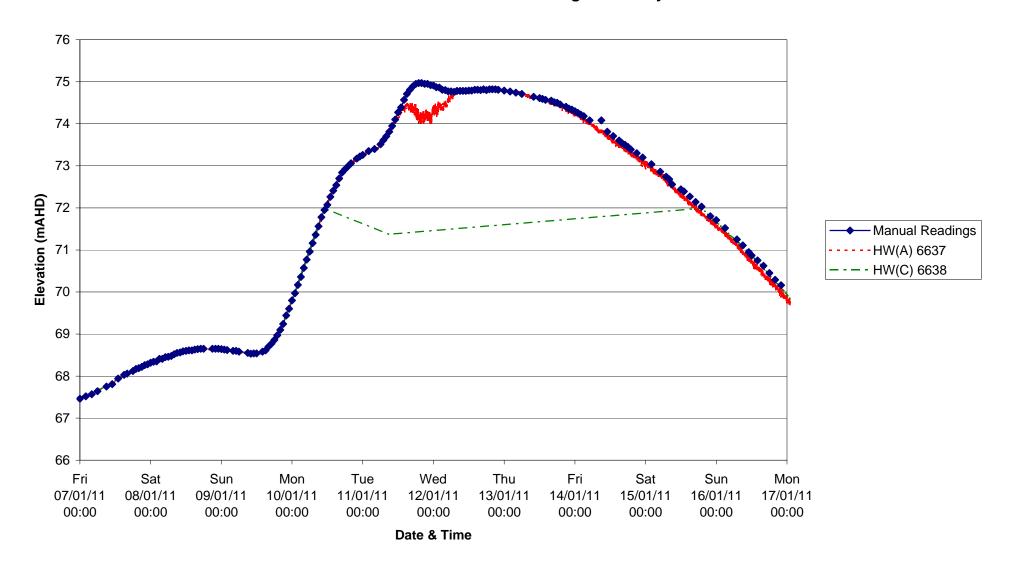
From:	Duty Engineer
Sent:	Monday, 17 January 2011 6:06 PM
To:	'john.ruffini
Subject:	FW: Lake level comparison & directive summary
Attachmen	ts: WDHeadwaterLevelsJan2011.xls; Strategy-Summary-Log.xls
Duty Engine Flood Opera	er tions Centre
Phone Fax:	
addressee a addressee, strictly prol reasons of sender imm	Information: This email and any attached information is intended only for the and may contain confidential and/or privileged information. If you are not the you are notified that any transmission, distribution, or other use of this information is hibited. The confidentiality attached to this email is not waived, lost or destroyed by mistaken delivery to you. If you have received this email in error please contact the nediately and delete the material from your email system. QLD Bulk Water Supply ABN75450239876 (Trading as Seqwater).
To: Peter Al	Engineer ay, 17 January 2011 1:03 PM len (peter aller rdrury ske level comparison & directive summary
Rob/Peter	
Additional in	formation that may be useful.
Regards	
Duty Engine Flood Opera	eer ations Centre
Phone: Fax:	
addressee a addressee, strictly pro	information: This email and any attached information is intended only for the and may contain confidential and/or privileged information. If you are not the you are notified that any transmission, distribution, or other use of this information is hibited. The confidentiality attached to this email is not waived, lost or destroyed by

reasons of mistaken delivery to you. If you have received this email in error please contact the sender immediately and delete the material from your email system. QLD Bulk Water Supply Authority ABN75450239876 (Trading as Seqwater).

QFCI	Date: _	6	2	/12	Jm
Exhibit N	umber:	ĺ	07	7	

Wivenhoe Dam HW: Manual Readings - January 2011



	ACTION IM duty Engineer. Rainfall and water had been remote monitored to this point in time. TM advises Sentor Duty Engineer that Flood Operations are required at both Somerset.	CATEGORY Scuston Report	i i i
	Wiventings and North Pine Darris. TM arrived at FOC to assess strategies and mobilises FOC, Wiventing, Somerset and North Pine Dam.		
	North Pine Dam At 07:00hrs Thursday, North Pine Dam was 33.60m, 0.05m below gate trigger level and having risen 0.18m since 2/1/2011 due to a combination of base flow and runoff from rain in the last 24 hours. Given the forecast rain, gate operations will commence to right. MRRC will be advised this morning.		
	Someset Dam At 07:00hrs Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper		
	Stanley but there have been significant rises in Kifcoy Ck. Further regulator operations will be required later Thursday. Wivenhoo Dam		
	The regulator and hydro were discharging at 50 curriess to manage baseflow recession from previous flow event. ALOT 00ths Thursday, Whenhoe 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 Wireshoe Dam. Gates will be opened in the nex		
	Strategy W1 + Various		2334
8.14 AV	Situation Report 0800 08/01/2011 Raintal - Since 9am Wednesday, there have been widespread fals of 30mm with solated heavy fals up to 50mm in the Somerset and Wivenhoe catchments. Totals in the North Pine catchment have generally been below 10mm. Fals up to 60mm were recorded in the Lestle Harrison catchment. - The forecast for the next 24 to 48 hours is for folse up to 160mm in SE Old. - The catchments remain wet and are likely to generate additional runoff in the event of rain.	Situation Report	
	North Pine Dam - At 0700 Thursday, North Pine Dam was 39 60m, 0.05m below gate trigger level and having risen 0.18m since 2/1/2011 due to a combination of basefow and runoff from rain in the last 24 hours. - Given the forecast rain, gate operations will commence toright. NBRC will be advised this morning.		
	Somerset Dam - At 0700 Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Starrley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kifocy Ck. Further regulator operations will be required later Thursday.		
	'		
	Wivenhoo Dam - At 0700 Thursday, Wivenhoo Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate bigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenhoo Dam. Gatte will be opened in the next 24 hours to manage the inflows from the upper Brisbane River and the oxyllow from Sorrerset.	Situation Report	
	Inpacts of Wirehoe Dam Releases - Somerset Regional, Ipsafch City and Brisbane City Councils will be addreed of the potential for gate operations after a full assessment of the situation this morning. At this stage it is anticipated that peak releases from Wirehoe will be below 500m3's but this will depend on the forecast rain and force downstream of the dam. - The empected Wirehoe release and local flows will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. At this stage, there are not expected to be any adverse impacts upon Fermale Bridge, Burtons Bridge on M. Crossi Yell Bridge.		
	Leslie Harrison Dam Following the heavy rainfall Wednesday right, gate operations commenced at Leslie Harrison Dam tate Wednesday right and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.		
	Tha neuf situation report will be issued at 1800 Thursday 6/1/2011.		
	·		
\vdash			
<u> </u>			
1:30 PM	Revised Operating Strategy 1200 6/1/2011 North Pine - On track to open tonight	Shuaton Report	
	Samese/Wirenhoa - No change to current status — expected inflow volume about 45,000 VL. Will teach about 99.7m AHD without releases Expected inflow volume about 130,000 VL. brokking Somerset. Will reach about 68.3m AHD without releases Expected inflow volume about 130,000 VL brokking Somerset. Will reach about 68.3m AHD without releases There has been further heavy fats in the Lockyer since 9000 Thursday and the flow from the Lockyer is goding to be larger than initially assessed, possibly as high as 600 m3/s peaking Saturday. This may does Burtons without any conduction from Wivenince. The opening of the Wivenince gains will therefore be delayed until the Lockyer peak passes.		
	OSCIONEY. THIS HAY DOSA DERIVING WATER OF CORD BOTH OF FIRMERICA. THE OPENING OF WHITE HAY BEENING DO GROUP OF THE PROPERTY OF		
	Sectory. This is all to see parties without all controlled the size of the street long gases with received the design of the sector of the sec		
	Seculary. This littly trips but his warrow any out of down in the little warrance of the secular process of the se		
	Section. This is all the parties with the parties of the street like the parties of the street like the parties of the parties		
		Shipson Percent	
254 PM	Situation Report 1500 06/02/2011 Reintal -In the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heary falls up to 60mm in the Somerset and Whenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Leste Harrison catchment. -The forecast for the next 24 to 48 hours is for totals up to 100mm in SE C/d. -The catchments remain wet and are likely to generate additional runoff in the event of rain.	Stuation Report	
2:54 PW	Situation Report 1500 06/02/2011 Raintal An the 6 hours since 9am Wednesday, there have been general totals around 30mm with solated heavy fails up to 60mm in the Somerset and Whenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Pails between 20 and 30mm were recorded in the Leste Harrison catchment. The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Cid. The catchments remain wet and are likely to generate additional runoff in the event of rain. North Pine Dam At 100 Thursday, North Pine Dam was 38.66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Younge Crossing. MSRC have been ad fixed and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday.	Stuation Report	
2:54 PW	Situation Report 1500 05/02/2011 Raintal An the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Whenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Lesla Harrison catchment. The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Cid. The catchments remain wet and are ticely to generate additional runoff in the event of rain. North Pine Dam At 1400 Thursday, North Pine Dam was 39 66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Younge Crossing. MSRC		
2:54 PW	Situation Report 1500 06/02/2011 Rainfal -In the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somesset 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 Leste Harrison catchment. The forecast for the next 24 to 48 hours is for totals up to 100mm in SE C/d. The catchments remain wet and see tikely to generate additional runoff in the event of rain. North Pine Dam At 1400 Thursday, North Pine Dam was 38 66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. MSRC have been additional confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfal during Friday, gate operations may continue into Sahurday. Somesset Dam At 0700 Thursday, North Pine 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 Kitoby Ck, adding to the Somerset Indians. Further regulator/shuice operations will be required in the next 24 to 48 hours. The estimated of the Somerset has not stream upstream of Wireshoo Dam. The estimated event indian volume his Wireshoo Dam is 150,000VL housday of Somerset Dam outlook. At this stage Wireshoo Bam is 160,000VL housday as a peak of above 500m3/s and continue for a couple of days.	Shason Report	
254 PW	Situation Report 1500 06/02/2011 Raintal Annual Ann	Stuaton Report	
254 PM	Situation Report 1500 06/02/2011 Rainfall In the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wiverhoe catchments. Totals in the North Price outcoment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Lesle Harrison catchment. The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Cid. The catchments remain wet and are likely to generate additional runoff in the event of rain. North Price Dam All 100 Thursday, North Price Dam was 39.66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Younge Crossing. MSRC have been additional colours of Younge Crossing prior to gate operations. Other the forecast rainfall during Friday, gate operations may continue into Saturday. Sometist Dam All 0700 Thursday, Somerset Dam was 99 34m, 0.34m above FSL, and rising slowly. The rain in the Starley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant risins in Kloby CK, adding to the Somerset Inflows. Further regulator/sivice operations will be required in the next 24 to 48 hours. The estimated of the some stanley but there have been significant rainfalls in the Lockyer CK, adding to the Somerset Inflows. Further regulator/sivice operations will be required in the next 24 to 48 hours. The estimated event inflow volume into Wiverhoe Dam is 160,000ML including Somerset Dam outflow. There has been significant rainfalls in the Lockyer CK, adding to the Somerset has been significant rainfalls in the Lockyer CK, adding to the Somerset Dam outflow. There has been significant rainfalls in the Lockyer CK, adding the professes during Saturday and a pask of about 600m3 is expected from the Lockyer late. Finday, Wivenhoe gates will be opened after food levels in the lockyer and difference Cky Councils have been advised of the potals for gate operations during the next 24 hours. Impacts of W	Stuaton Report	

70422				
7/01/11	5:33 PM	Situation Report 1800 06/01/2011	Stuation Report	TM
		Rainfal - In the 8 hours since 9am Wedneaday, there have been general totals around 30mm with soluted heavy falls up to 60mm in the Somerset and Wivenhoe catchments. There have been significant rainfalls in the Lockyer CK catchment in the last 24 hours with widespread falls of 50mm and isolated falls up to 75mm. Totals in the North Pine catchment have generally been about 30mm. Falls between 20 and 30mm were recorded in the Lesia Harrison catchment. - The forecast for the next 24 to 48 hours is for totals up to 100mm in SE QId.		
		North Pine Dam At 1760 Thursday, North Pine Dam was 39 68m, 0.03m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Younge Crossing. Moreton Bay Regional Council has been advised and will confirm closure of Younge Crossing prior to gate operations. Given the forecast rain/all during Friday, gate operations may continue Into Saturday.		
		Somesti Dan. M. 1700 Duradu. Samural Domuno 60 Afm. 0. Afm about ESI. and doing plant. The role in the States Blant at the rest has read and annual amount of trace in the reads. With the Dan.	Situation Report	
		At 1700 Thursday, Wivenhoe Dam was 67.39m and reing dowly. This is 0.39m above FSL and above the gate trigget level of 67.25m. Upsiream of the dam river levels are still rising at the Limite and Greyors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow. A peak of about 600m3 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 Burlons Bridge. Wivenhoe gates will be opened after the impact of Lockyer flows on Burlons Bridge has been ascertained and flood levels in the lower Lockyer subside. At this stage Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,500m3/s, similar to recent events, and continue for a couple of days.		
		Impacts of Downsteam of Whitehop - Somerset Regional, Ipsnich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours. - The relational high to show the wait and exact impact upon Twin Bridges. Sweener Crossing, Riccia Bridges and Colleges Crossing for several data and maximum Bustness.		
7/01/11				
7/01/11	6:07 AM	FOC Situation Report at 05:00 on Firklay 7 January 2011	Stuston Report	LVB
		Rainfal - There have been general lota's around 30 to 50 mm with isolated heavy fails up to 76mm in the Somerset and Winerhoe catchurents since the event commenced on Wednesday 5 January 2011. There have been significant rainfals in the Lockyer Ck catchurent in the last 72 hours with widespread fails of 50mm and isolated fails up to 100mm. - Folds in the 10th Pine catchment have generally been about 35mm. - Falls between 20 and 30mm were recorded in the Leelie Harfson catchurent. - The forecast for the next five days is for totals between 100 and 200mm in SE Qtl. Given the saturated condition of the catchments further runoff will most likely be generated from this tarfal.		
		North Pine Dam At 0600 Friday, North Pine Dem was at 39.46m, 0.12m below FSL. Gate operations commenced at 1915 on Thursday 6 January and are expected to continue until at least mid-day Friday 7 January when North Pine Dam is expected to be at 39.40m. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was addited and they recently under Crossing and a paratises commenced at 1915 on Thursday 6 January when North Pine Dam is expected to be at 39.40m. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was addited and they recently under Crossing and a paratises commenced at 1915 on Thursday 6 January and are expected to continue until at least mid-day Friday 7 January when North Pine Dam is expected to be at 39.40m. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was addited and they recently under the properties of the properties of the Pine Pine Pine Pine Pine Pine Pine Pin	Situation Report	
		ALGOD Fidely, Whenhoe Dam was at 67 64m and rising slowly. This is 0.64m above PSL and above the gast trigger level of 67.25m. Upstream of the dam fiver levels have peaked at the Limite and Gregors Ck gauges. The estimated event hitten volume into Whenhoe Dam is 230,000W Industing Somerset Dam outflow. - A peak of about 470 curries is expected from Lockyer Creek by mid-afternoon on Friday 71 January. At this stage there is some uncertainty associated with this estimate but it may be of sufficient magnitude to foundate Buttons Bridge. - Whenhoe gas releases will commande that impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. It is proposed that Whischoe releases will commande the Fridgifearly Saburday and may be as high as 1,200 currieds, (similar but signify smaller to recent events), and the releases are expected to confine over the weekend though to Monday or Tuesday.	·	
		Ingests of Donnstream of Winterbook Someout Benderd Council insulfs Cits Council and Richards Cits Council by above and feed of the protected for only appeal 24 hours.		
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	4####	SitRep There has been falls between 15 and 30mm in the North Pine catchment in the test 3 hours. This will cause renew rises and increased inflows.	Stuation Report	ME
7/01/11	######################################	There are no date movements projected for the next 3 hours Issued Whenhoe Directive #1. 15.00 Open Gate 3 from 0.0 metres to 0.5 metres	Directive - Strategy W1-C	LVB
		- 16:00 Open Gate 3 from 0.6 metres to 1.0 metres - 17:00 Open Gate 3 from 1.0 metres to 1.5 metres - 18:00 Open Gate 3 from 5.0 metres to 2.0 metres - 19:00 Open Gate 3 from 2.0 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 3.5 metres - 21:00 Open Gate 3 from 2.5 metres to 3.5 metres		
783/11				
	6.00 PM	Situation Report 1800 Friday 07/01/2011 Raintal - Since 0500 Friday, there has been videspread 20 to 40mm throughout North Pine, Somerset and V/Nenhoe catchments with isolated higher totals of 70mm in the upper reaches of the Bribahane R. - Advice from BoN Indicates that SE Old can expect further high rainfall totals over the next 4 days.	Stustion Report	MT
		Saturdey. Rain light at times 15-50mm with higher fails along the coast Sunday. Widespread rain with totals between 50-100mm Monday. Widespread rain again with totals between 60-100mm Tuesday. Rain easing with totals between 25-50mm		
		Given the saturated conditions of the catchments, significant inflows to Sequeter dams will be generated, especially following the forecast rainfall on Sunday/Monday/. North Pine (Fut Supply Level 39.60 m AHD):		
		At 1700 Fidey, North Price currently has 5 gates open releasing unoff from rain on Weel/Thursday. Given the very high likehood of significant runoff during the real 4 days, gates will which the second of the real 4 days, gates will which the second releasing the real 4 days. gates will which the second releasing the real 4 days. gates will which the second releasing the real 4 days. Gates will be second releasing about 168m3/s. River levels upstream of Wivenhoe Dam were rising again, generating further inflow to the dam. It is intended to rainp up the release from Wivenhoe to about 1,200m3/s during the next 18 hours. However, given the high Exchood of significant inflows in the next veek, this may be increased late on the weekend. Since the commencement of the evert on 1021/12011, approximately 140,000Hz, has flowed into Wivenhoe Dam with a further 160,000Mz, expected (notuding Someraet release).	Situation Report	
		based on the recorded rainfall to date. Approximately 24,000VL has been released from Wivenhoe via the hydro and regulator at about 50m3/s. Impacts downstream of Wivenhoe The projected Wivenhoe release of 1,000m3/s combined with Lockyer flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Sarages Crossing.)		
7/01/11	9:53 PM	- The projected Whitehole (lease of 1, Julianus comoned was body) and local from the linear local at the store Earning and Ith Croshs Weit Riches are not appeared to be affected. Issued Whitehole Directive #2.	Directive Strategy W1-D	MT
		- 08:01/2011 00:00 Open Gate 2 from 0.5 métres to 1.0 métres - 08:01/2011 01:00 Open Gate 2 from 0.5 métres 10:10 métres - 08:01/2011 01:00 Open Gate 4 from 0.5 métres 10:10 métres - 08:01/2011 02:00 Open Gate 1 from 0.0 métres to 0.5 métres - 08:01/2011 02:00 Open Gate 5 from 0.0 métres to 0.5 métres - 08:01/2011 02:00 Open Gate 2 from 1.0 métres to 1.5 métres - 08:01/2011 02:00 Open Gate 2 from 1.0 métres to 1.5 métres		
		Issued Wiveshoe Directive #3. • 08/01/2011 05/00 Open Gate 4 from 1 0 metres to 1.5 metres	Directive Strategy W1-D	МŦ
801/31	4.55 AM	- 08/01/2011 05 00 Open Gate 1 from 0.5 metres to 1.0 metres - 08/01/2011 07:00 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 05:00 Open Gate 3 from 0.5 metres to 4.0 metres		
	4.55 AM	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	Directive Strategy	AN

//1 #		ACTION	CATEGORY	INTIALS
//1 #				
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//1 #				
		ksued Somerset Directiva #3. • Piasse ocen Suice M to 100% at 12:00.	Directive	AN
	28882			
- 1	00 AM	ksued Whenhoe Directive #5. • Open Gate 3 from 4.0 metres to 4.5 metres	Directive - Strategy W1-E	NGA
4.5	30 AM	Sevel Whenhole Directive #8. Open Gate 1 from 1.5 metres to 2.0 metres	Directive Staregty W1-E	NGA
6:	15 AV	FOC Situation Report at 06:00 on Sunday 9 January 2011 Reinfal	Situation Report	आ
		Rental Catchment average rental for the past 12 hours is; North Pine Dam (less than 10 mm); Somerset Dam (40 mm); Whenhoe Dam (less than 10 mm). The bulk of the rain that has false in the Somerset Dam catchment has occurred in the last two hours, with recorded fals exceeding 60mm in some exeas. The BOM forecast for the next seven days issued at 0450 this morning is		
	!	Sunday, Rein periods Monday, Rain periods Monday, Rain periods Wednesday Afair showers Thursday A shower or two. Filday A shower or two.	•	
	,	Assured which washing 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 eventuales.		
	ļ	North Pine Dam (Full Supply Leval 39.50 m AHD)		
	ļ	Somerset Dan IF-UI Surpoy Level 99 00 m AHD: The dan level is currently fating storely, with the current level being 100 27m AHD. However the rain that has fatien in the dam catchment over the last two hours (recorded fatis exceed form in some exast) will result in Significant Inflows store today. The current release rate into Whenhoe Dan is 35,000ML/day. Since the commencement of the event on 02/01/2011 approximately 56,000ML has been released from the dam, with a total of at least 150,000ML to be released on the currently recorded rainfat. The total release for the event is Evely to increase significantly over the next few days based on the current reinfall forecasts. At this stage, releases will continue until at least Tuesday.	Stuation Report	
		Whenho Dam (Full Supply Level 67.0m AHD) The dam level is currently fating storily, with the current level being 68.56m AHD. River levels upstream of the dam are receding, however further inflows will result from any additional tarfet. The current gate operation strategy will maintain flows of around 1,000m3s in the mid-Brisbane River. The current release rate from Whenhoe Dam is 116,000M4/sty. Since the common current tarfet is a 0.00 for the current release rate from Whenhoe Dam is 116,000M4/sty. Since the common current tarfet is a 0.00 for the current release of the exact on 0.00 for the current release.		
8.		Issued Somerset Directive #4.	Directive	NGA
F		Piesse ocen Stúce K lo 100% at 09.00,		
#	<i>ENNUN</i> 1	Issued Whenhoe Directive #7.	Directive Strategy	NGA
F		Open Gata 5 from 1.5 metres to 2.0 metres	W1-E	
##	- 1	issued Somerset Directive #5. • Picasa open Suice N 0100% at 13.00 • Picasa open Suice J to 100% at 14.00	Directive	NGA
E				
			,	
		System W2	(Sections of the	
3.3	30 PM	Duly Engineer Conference held at the FOC. Attended by RA. JR. TM with JT on cord phone. At this stape operating at the top end of VM1 and the bottom end of VM2 Storing approx. 300,000 M at present (above Wivenhoe) with an additional 500,000 M expected to revisit in the the dark from related in the ground. The rainfal system is currently in the N-E part of the catchment and expected to travel booth over the next 24-38 hours according to the BoM forecasts. This has the potential to eignificantly increase froms in Lockyer Ck 8 the Bremer River which potentially could close Fermals Bridge and Mt Crosby Bridge and increase the risk of fooding in the Lower Brisbane. Releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be maintained at the current level of 1,400 currence. If required, releases from Wiverhoe Dam will be reduced to contain the flow in the Md-Brisbane to 1,600 currences and 3,000 currences in the Lower Brisbane.	Sturston Report - Staregty W2	NGA
F				
F				
E			-	
E				
\vdash	la la	Situation Report 1700 Sunday 9/1/2011 Randal Situation Report 1700 Sunday 9/1/2011	Situation Report - Strategy W2	MT
5.8		Obtofument average rainfall for the past 12 hours is; North Pine Dam (60 mm), Somerset Dam (150 mm); Wivenhoe Dam (60 mm). The bulk of the rain that has fallen in the upper reaches of the Stanley and Brisbane Rivers.		
5:				
5:		The BOM rainfal forecast for the next few days is: Monday: Very heavy rain periods with totals up to 300mm centred around North Pine. Tuesday: Rain periods with totals up to 150mm centred around North Pine. Verdineaday: A few showes less than 10mm Thursday: A shower or two. Finday: A shower or two. Saturday: Moresty fine.		
5:		Monday: Very heary rain periods with totals up to 300mm centred around North Pine. Tuesday: Rain periods with totals up to 150mm centred around North Pine. Wednesday: A few stowers less than 10mm Thursday: A shower or two. Saturday: A shower or two. Saturday: Mostly fine. A servere whether warning remains current for heary rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.		
5:		Monday. Very heavy rain periods with totals up to 300mm centred around North Pine. Tuesday. Rain periods with totals up to 150mm centred around North Pine. Wednesday A ten shower of two. Thursday A shower or two. Friday A shower or two. Saturday Mostly fine. A servere 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		
5:1		Monday: Very heary rain periods with totals up to 300mm centred around North Pine. Tuesday: Rain periods with totals up to 150mm centred around North Pine. Wednesday: A few stowers less than 10mm Thursday: A shower or two. Saturday: A shower or two. Saturday: Mostly fine. A servere whether warning remains current for heary rainfall in the dam catchment areas. The dam catchments are relatively saturated and significant inflows will be generated if the forecast rainfall eventuates.		
5:1		Monday: Very heary rain periods with totals up to 300mm centred around North Pine. Thesday: Medinesday: Wednesday: A few showers less than 10mm Thorsday: A shower or two. Finding: A shower or two. Finding: A shower or two. Saturday: Mostly fine. A severe whether warning remains current for heavy reinfall in the dam catchment areas. The dam catchments are reletively saturated and significant inflows will be generated if the forecast rainfall eventuates. North Fine Dem (Full Supply Level 39.60 m AHD) Somerset Dam (Full Supply Level 39.60 m AHD) The dam level is 100.75 m AHD and rising grickly. Estimated peak inflow to the dam is about 3,000m3s. Fine stude gates are open releasing about 1,100m3/s (95,000W/s) into Whenhoe Dam. At this stage the dam wall resoluted to 10.50 m, At this stage the dam wall resolut at least 10.15 during early Tuesday morning. Since the commonscenant of the eventon (2001) 10001 terropromators by 6000WL, based on the recorded	Stuston Report Stateg/W2	
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9:04 PM	A. J. 1165		<u> </u>
	Strategr W3 Situation Report 2100 9/01/2011	Stuaton Report -	
	Ranfal	Strategy W3	
l	- Very heary rainfall has been recorded in the upper reaches of the Brisbane and Stanley in the last 6 hours with totals up 100 to 140mm. Totals for the last 24 hours range from 100 to 300mm.		
	Rainfail of similar magnitudes is expected in the 12 to 24 hours, especially around the Bremer/Marril catchments as the system tracks south.		
	- A severe weather warning remains current for heavy rainfall in the dam catchment areas.		
	Somerset Dam (Full Supply Lens) 59 00 m AHD)		1
ł	- The dam level is 101.68 m AHD (about 500,000ML currently in storage) and rising quickly. Peak inflow to the dam is estimated to be about 4,000 m3/s based on observed rainfall and could be as high as 5,000m3/s with additional forecast rainfall. Five soluce gates are open releasing about 1,100m3/s (95,000M3/s) into Wivenhoe Dam. At this stage the dam will reach		1
	at least 103.5 early Tuesday morning which will adversely impact areas around listory. Since the appropriate of the area of an 1991 (1901 technique) to 1900 100 the become alread from the dam into Winnerbook, with an area to the first order of 500 000 the		1
	Wivenhoa Dam (Full Supply Level 67,00 m AHQ)	Situation Report -	
	- River levels upstream of the dam are rising quickly with eignificant tribuw being generated from the intense heavy rainfall. Flows in the Brisbane River at Gregor's Ck have already	Strategy VV3	
	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 food storage). Estimated peak inflow to the dam just from the Upper		
1	Brisbane R arone 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		
1	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		
1	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.		ļ
	The current releases are from Wilsonhoa Domik 1 / Mm3k / 130 MMH (dgs). Gya continuell stad to be increased from noon Mondy, and the release is experted increase to at		
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4:44.41	FDC Situation Report at 01:00 hrs on Monday 10 January 2011	Situation Report -	-
1.14 A.V	Ranfal	Strategy W3	
ł	Very heavy rainfall has been recorded in the Upper Brisbane and Stanley Rivers in the last 12 hours with totals up 100 to 240mm. Totals for the last 24 hours range from 100 to		l
	300mm. Rainfall of similar magnitudes is expected in the 12 to 24 hours around the downstream catchments as the system tracks south.		1
	- A severe weather warning remains current for heavy rainfall in the dam catchment areas.		į
1	North Pine Dam (Full Supply Level 39:60 m AHD)		
	- The dam level was 39.95 m and steady. Five gates are open releasing 445 m3/s. The inflow into the dam since the commencement of the event is 42,000 ML. Estimated event	i ·	İ
1	volume is 57,000 ML assuming no further rainfall. Gate operations will continue until at least Tuesday 11 January 2011.		İ
	Somerset Darn (Full Supply Level 59.00 m AHD)		
1	- 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 stude gates are open releasing about 1,100m3/s (65,000M/d) into Wilvenhoe Dam. At this stage the dam will reach at least		
	Since the commencement of the event on 02/01/2011 approximately 115,000ML has been released from the dum into Wiventroe, with an event total of the order of 520,000ML expect	}	ĺ
			1
—	Whenhoo Dam (Fud Supply Level 67,00 m AHD)	Stuation Report -	
	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	Strategy V/3	l
İ	reached 7,350m3/s and the river has just peaked at 23:00 on Sunday 9 January.		ı
	The dam level is rising quickly, with the current level being 69.60m AHD (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as		
	- The dam level is rising quickly, with the current level being 69.60m AHD (storing 301,000 ML). Estimated peak indicate to the dam just from the Upper Bisbane R alone may reach as high as 6,800m3/s and, at this stage, the dam will reach at least 73.3 m AHD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the		
	The dam level is rising quickly, with the current level being 69.60m AHD (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as		
	-The dem level is rising quickly, with the cutrent level being 68.60m AMD (storing 301,000 ML). Estimated peak indown to the dam just from the Upper Brisbaner & done may reach as high as 6,600m3/s and, at this stage, the dam will reach at least 7.3.3 m AMD during Tuesday morning. Given the repid increase in inflow volumes, it will be necessary to increase the release from Whitenhold during Monday morning. -The objective for dam operations will be to minimise the impact of urban fooding in areas downstream of the dam and, at this stage, releases will be kept below 3,600m3/s and the combined flows in the lower Brisbane will be the first of 4,000m3/s if possible.		
200 AV	The dem level is rising quickly, with the cutrent level being 69,60m AND (storing 301,000 ML). Estimated peak inflow to the dam just from the Upper Brisbane R alone may reach as high as 8,600 m3/s and, at this stage, it release the levels from Whichhoo during Monday morning. The objective for dam operations will be to minimise the impact of urban fooding in areas downstream of the dam and, at this stage, referses will be kept below 3,500 m3/s and the combined forces in the lever Brisbane will be limited to 4,000 m3/s if possible. Listingto Brisbane contact has and Mill Cresto Web Risbane has a large to 4,000 m3/s if possible.	Directive # 8	
200 AM	The dem level is rising quickly, with the cutrent level being 68.60m AMD (storing 301.000 ML). Estimated peak indown to the dam just from the Upper Brisbaner & done may reach as high as 8,800m3/s and, at this stage, the dam will reach at least 73.3 m AMD during Tuesday morning. Given the rapid increase in inflow volumes, it will be necessary to increase the release from Whitenhold during Monday morning. -The objective for dam operations will be to minimise the impact of urban fooding in areas downstream of the dam and, at this stage, releases will be kept below 3,600m3/s and the combined forces in the lower Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane and the Create Wall Problem will be simple to the dam and both bridges are now closed or as in the process of belon closed. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane and Mit Create Wall Problem and both bridges are now closed or as in the process of belon closed. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimate Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if possible. -Estimated Brisbane will be finited to 4,000m3/s if	Directive # 8 Strategy W3	
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	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 03.00	Strategy VV3	
	Open Gate 5 from 2.5 metres To 3.0 metres at 69.00		
	*		
2:58 PM	FOC Situation Report at 12:00 on Monday 10 January 2011 Rainfal	Strategy W3	
	Significant rainfall has fallen in the Wivenhoe Dam catchment over the last 3 hours, with falls exceeding 100mm. This rainfall will significantly increase inflows into the dam. A severe	_,	
	weather warring remains current for heavy rainfall in the dam catchment areas. The OPF issued by BOM at 10:00 estimates rainfalfs for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm); Whenhoe/Somerset Dam Catchments (50mm – 100mm). Potentially eignificant rain moving towards the dam catchments is currently evident on the BOM radar.		
	Somerset Dam (Ful Supply Level 99,00 m.AHD) Note that the set is 03.41m AHD and rising. Peak inflow to the dam is estimated to be about 4,200 m3s. Five strice gates are open releasing about 1,100m3's (95,000ML/day) into Whenhop Dam. At this stage the dam hat the first will reach about 103.5m AHD on Monday afternoon. Areas around Kicoy will continue to be adversely affected.		
	Witenhoo Dam (Full Supply Leval 67.00 m AHD) The dam level is 72.41 m AHD and rising quickly. The rainfelt experienced over the last 2 to 3 hours will result in eignificant further inflows into the dam and releases from the dam will not have been supplyed by the dam releases and the dam releases from the dam will not have been according to the dam and to keep their flows in the 100m AHD and rising about 2,000m AHD into the Britabana River and this will need to be interessed steady to an outflow of 2,600m AHD over the need 5. The objective for dam operations is curriety to minnings the impact of uban fooding in areas shownstean of the dam and to keep their flows in the lower Britabane River below 4,000m.		
	Inspects downstream of Wivenhoe Dam The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that ell crossings downstream of Wivenhoe (Twin Bridges, Ferrivale, Savages Cr -Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.		
	Outbook Neary rain/al continues throughout South East Queensland and the shuston could deteriorate rapidly over the next 24 hours. The food operation centre will continue to monitor the sh		
######	Spoke with Peter Borrows (Segwater) to answer elaborate on Stueton Report and inform him of large rainfalls currently occurring in the Wivenhoe catchment.	Correspondence	
4.00 PM	Issued Wivenhoa Directiva #11.	Directive Stategy	
	• Open Gate 2 to 4 0 m at 15:00 • Open Gate 3 to 5 0 m at 15:00 • Open Gate 3 to 5 0 m at 16:00 • Open Gate 3 to 5 0 m at 16:00 • Open Gate 5 to 3 5 m at 16:30 • 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 2 to 4 5 m at 18:00 • Open Gate 4 to 4 5 m at 18:00 • Open Gate 4 to 4 5 m at 18:00 • Open Gate 4 to 4 5 m at 18:00 • Open Gate 5 to 4 0 m at 18:00 • Open Gate 5 to 4 0 m at 18:00	W3	
3 15 PV	Had conference call with BoM. They agree with FCC on model discharge results. However, BoM included 6hrs of additional rain which takes the discharge to 4600m3/s	Correspondence	
3.101.10			
606 PM	Get weather undate from BoM - the forecast row is - still more of the same of what we had today.	Other	
6.43 PW	FOC Stuston Report at 18:00 on Monday 10 January 2011 Rainfall Rainfall - Only minor rainfall has been experienced in the North Pine Dam and Somesset Dam catchments with a catchment averages of less than 20mm Norwers, significant rain has father in the Vilvenhoe Dam catchment over the last 6 hours, with locited falls exceeding 100mm. This rainfall has significantly increase inflows into the dam. A server weather warning remains current for heary tainfall in the dam catchment area. The OPF issued by BOM at 10:00 estimates rainfalls for the 24 hours to 10:00 Tuesday as North Pine Dam (25mm to 50mm, with solated fails to 100mm). Whenhoe/Somerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm). Potentially significant train moning towards the dam catchments is currently edificant on the BOM radar. North Pine Dam (Full Supply Level 39:60 m AHD)	Straton Report	
bots extilu	The date is set is 39.8/m AirD and tallow clouds/station 0.0001// above PSI1. Eve notes as a new advantage in 1785 the left-suited transfar chose the companies and filte. Whenhoe 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 horsessed over the less 3 hours in accordance with Flood Misgation procedures and to ensure that a five play in not initiated. The initiation of a face play with result in a rapid uncontrolled outflow from the dam not 2,000m35 being added to the gate release outflow. Outflows find the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. The flash fooding experienced in the upper areas of Lockyer Creek have been examined and are not expected to Significantly increase Brisbane River from show the current projection of 4000m35 at Noggit. Five raid gastes are currently open at the dam releasing about 2,400m35 into the Brisbane River and this will need to be increased sheafly to an outflow of 2,800m35. At this stage, the dam will resolv about 73.8 m AHD during Tuesday morning. The objective for dam operations is currently to minrises the impact of urban fooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m35 if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m35. If further rainfal occurs, dam releases may need to be increase impacts downstream of Wivenhoe Dam. The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that at crossings downstream of Wivenhoe Civin Bridges, Fermale, Savages Cro. Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam. Outlook Heavy rainfal confinues throughout South East Queenstand and the situation could deteriorate rapidly over the next 24 hours. The food operation centre will confinue to monitor the situation of the s	Stration Report Strategy W3	
20:00:04	Peter Baddley (BoM) called to advise of shuston regarding flows in Lockyer. Estimated very heavy locatised rainfall (eg. 600mm in few hours) on Toowoomba escarpment to cause	Correspondence	
r	observed food fooding. Will monitor via Genote George George according station. Shoke to Peter Alian recording strategies for reducing Winenhoer release to mitigate latest event in Lockyer. Peter endorsed variation to manual to operate at minimum gate settings to	Correspondence	
	create data to allow deak of flash flood to case. Also endorsed concect allowing Whilehole HW to rise above 74 mAHD briefy.		_
00.00	Posts In Dalay Post III. (Dalay for a state of the Way benefit and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Correspondence	
	Spoke to Peter Baddley (BoM) regarding reducing Wivenhoe release to eccommodate peak of Lockyer fash food.		
*****	Spoke to Rob Drury to give situation update. Rob agreed that if possible to reduce flow from Wivenhoe to accommodate Lockyer flash flood peak	Correspondence	
	FOC Situation Report at 00:00 Tuesday 11 January 2011 Bain[a] Rein[a] Re	Stuation Report	
	The dam level is 39 90m AHD and fating sowly (storing 4,400ML above FSL). Five gates are open, releasing 153 m3%. 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 confinue until at least Wednesday 12 January 2011.		

1		CATEGORY Stuation Report -	INITIALS
1	Wivenhoe Dam (Ful Supply Leye 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 take of 2,750 m3/s since 19.30 hours. Outflows into the Brisbane River	Strategy W3	
	from both Lockyer Creek and the Bremer River are also increasing The Both has provided further educe about the feath fooding experienced in the upper areas of Lockyer Creek. The rainfall responsible for this event was not observed at any rainfall.	i	
	stations but it is considered to be very significant. Flood leve's in the Lockyer Creek catchment will exceed maximum recorded leve's 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 gales are currently open at the dam releasing about 2,750m3/s into the Brisbane River. At this stage, the dam will reach about 73.8m AHD during Tuesday afternoon. - The objective for dam operations is currently to minimise the Impact of urban fooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below.		
	In objective in the independent is a contrary of interest and instance of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index of the index		
	Impacts downstream of Winerhoe Dam		
	- The projected Wivenhoe Dam releases combined with Lockyer Creek fows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Ferrivale, Sarages Cr - Water levels in the lower Brisbane River will be impected by the combined fows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam.		
	- The BoM will provide further information regarding the magnitude of the fash food event occurring in Lockyer Creek early Tuesday morning. Consideration will be given to modifying the		
	O.Fook		
	Heavy rainfall continues throughout South East Queensland and the situation could deteriorate over the next 24 hours. The flood operation centre will continue to monitor the situation		
11			
4:30	AV Issued Somerset Discrite #6. • Please dose Stude Jial 05:00	Directive	JW
1	Please close Stuce N at 05.00 Please close Stuce K at 07.00		
<u> </u>	- Less ros 2 are l'el l'im		
5:15	AV Spoke to Peter Baddley (BoM) regarding reducing Wittenhoe release to accommodate peak of Lockyer fash food. Update: Consensus was that reducing release from Wittenhoe	Correspondence	JW
	would no loncer be feasible due to attenuation of Lockier peak and stonform additional rainfall in uccer Bristiana during the night		
6.1	AV-FOC Situation Report at 06:00 on Tuesday 11 January 2011	Stuation Report	
1	Rainfell - Rainfell 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 fails of 40 to 70 mm in the Somerset Dam catchment. This rainfall will increase inflows that the dam. There has also been 20 to 60 mm in the Lockyer Creek catchment 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		
1	North Pine Dam (25mm to 50mm, with isolated falls to 100mm); WhenhoelSomerset Dam Catchments (25mm to 50mm, with isolated falls to 100mm).		
	North Pine Dam (Full Sugsity Level 39.60 m AHD) The dam level is 39.60m AHD and has commenced rising again (storing 4,400ML above FSL). Five gates are open releasing 177 m3/s. The history into the dam since the		
	commencement of the event is 77,000 ML. Estimated event volume is 89,000 ML assuming no further rain/al. Releases from the dam will continue until at least Wednesday 12 January 2011.		
	i ·		
	Somerset Dam (Full Supply Level 93.00 m AHD) - The dam level is 103.27m AHD and fating slowly. Peak introvitor the dam is estimated to be about 4,200 m3/s. Total discharge into Vilventinoe Dam is currently 1400 m3/s and this dis-		
	- The dam level peaked at 103.52m AHD at 19:00 on Monday 10 January 2011, (unless further significant rainfall is experienced). Areas around Kilcoy will continue to be achievely affecting		
	·		
	Whenhoe Dam (Ful Supply Level 67, 00 m AHD) - The dam level is 73.51m AHD and rising at about 25 minhour. Releases from the dam have been held at a rate of 2,750 m3/s since 19.30 hours on Monday 10 January 2011.	Situation Report - Strategy W3W4	
	Outflows into the Bisbane River from both Lockyer Creek and the Bremer River are also increasing. The rainfall resmostria from both Lockyer Creek and the Bremer River are also increasing. The rainfall resmostria from this pixel 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	•	
1	result in increases in Brisbane River levels below the junction of Lockyer Creek - Five radial gates are currently open at the dam releasing about 2,750m3/s into the Brisbane River. At this stage, the dam will reach just over 74.0m AHD during Tuesday evening.		
	- Above EL 74 0m AHD the objective for dam operations is to maintain the security of the dam and minimise downstream food flows if possible. "If but her contain convention and account properties to increase of a their properties in the four fine force in the truck Riskage Risks account into a superficient 5,000m2/s.		ļ
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=	NIL WILLIAM CONTRACTOR	Directive -	DP
B:0	AM Issued Whenhoe Directive#12. • Open Gate 5 to 4.5 m at 08:00	Stategy W3/W4	Σ.
	• Open Gates 2 and 4 to 5.0 m at 08:30 • Open Gate 3 to 5.5 m at 09:00		
\vdash			
F			
8:1	AW IT cated Peter Aten to advise of current Wivenhoe situation - Will exceed ELT4·m. Increasing gate opening to a minimum of 3700 mills and gate operations will progress. Advising tanktion from strategy W3 to W4	Correspondence - Strategy W3WV4	DP
_	ERROWING GLACY TTO USE	44	
E			
F			
		Direction .	DP .
9:0	AV Issued Whenhoe Directine #13 Open Gates 2 and 4 to 5 5 m at 09:30	Directive - Strategy W3/W4	DP
9:0	Open Gates 2 and 4 to 5 5 m at 10:3:0 Open Gates 1 and 5 to 5.5 m at 10:00 Open Gates 3 to 6.0 m at 10:3:0		DP
9:0	Open Gates 2 and 4 to 5 5 m at 109.30 Open Gates 1 and 5 to 5.5 m at 100.00 Open Gate 3 to 6.0 m at 10.30 Open Gate 2 and 4 to 6 0 m at 11.00		DP
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	Open Gates 2 and 4 to 5 5 m at 109.30 Open Gates 1 and 5 to 5.5 m at 100.00 Open Gate 3 to 6.0 m at 10.30 Open Gate 2 and 4 to 6 0 m at 11.00	Strategy W3WV4	
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9.0	Open Gales 1 and 5 to 5.5 m at 10:30 Open Gales 1 and 5 to 5.5 m at 10:30 Open Gales 1 and 5 to 5.5 m at 10:30 Open Gales 2 and 4 to 5.5 m at 10:30 Open Gales 2 and 4 to 6.0 m at 11:30 Open Gales 2 and 4 to 6.0 m at 11:30 AV JT called SEQWater maintenance (Jo Maner) advised that Wivenhoe has tost power, possibly blown high votage fuses. JO to resolve issue. AV Energax called All Incoming power has been lost at Wivenhoe. Since for the second of the second open development of the second of the second open development of the second of the second of the second open development of the second of the second of the second open development of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	Correspondence Correspondence Correspondence	DP DP
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	JT called Peter Burrows and advised that releases at Wivenhoe will be remped up to 4000curriess and strategy will be revised on an hourly basis. In ready releasing eightly less than	Correspondence	_
	of calculations and surface uses techniques at the state of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place of the place		
	Strategy W4A	Directive Strategy	-
######	Issued Whenhoe Directive #14. • Open Gates 2, 3 and 4 to 6 5 m at 12:00	V/4A	
	• Open Gates 1 and 5 to 6.5 m at 12.30 • Open Gate 3 to 7.0 m at 13:00		
			F
	SRRep 1200 11/1/2011	Situation Report - Stategy	
	Somersel/Minachoe Our current strategy renothes around trying to prevent initiation of the first fuse plug at EL 75.6m. If this happens we will get a rapid increase of about 2,000m3/s in outflow from the	W4A/W4B	
	dam in addition to the gate release which could be as high as 4,500 to 5,000m3/s at the time. However, it may be that fuse plug initiation might provide a lower outflow than increasing the gate outflow to protect it. In this case, we would adopt an alternate scenario.		
	- Strices have been closed at Somerset and this will result in high upstream water levels affecting (Gooy. - With no further rainful, Wilventice will approach 76 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 resease will be 4,000m3s by 1300. -With 50mm rainfall in the Stanley and Upper Bristiana 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 9.500π3.9		
	- Wivenhoe has lost incoming mains power and are on backup power. Energex are altempting to rectly.		l
	North Pine Inflows and outlows are increasing very rapid and will exceed 2,000m3/s.		
			L
1.00 PM	Issued Wivenhoe Directive #15.	Directive Staregy W4A	Γ
1.00 PM		Directive Strategy W4A	Ī
	Ocen Gates 1.2.3, 4 and 5 to 7.5 m		F
1:26 PM	Paler Burrows (Seqwater) called and requested the FOC request the BoM to consider if Winenhoe is releasing 9000cumecs.	Correspondence	L
	COULT I was a state of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the sec	Stuation Report	F
1:55 PM	SEQWater is continually revising release strategy, could be as high as 6500currecs by tonight. If darn stabilise, then estimates may be reduce. TM also passed on information for BoM to consider the effects at Brisbane if Virianhoe releases 9000currecs.	Stareg/ W4AW4B	
		,,-170,140	F
2:00 PM	Issued Wivenhoe Directive #17.	Directive Staregy	ľ
	• Open Gates 1 2 3, 4 and 5 to 8.0 m ssued Whenhoo Directhe #18.	W4A Directive Strategy	l
	Ocen Gates 12.3, 4 and 5 to 8.5 m	W4A	t
			Ŀ
			E
3 14 014	Peter Burrows (Segnater) called to discuss the proposed release of 10,000cumers. JT and TM experimed release strategy is constantly being revised.	Correspondence	ŀ
	Squed Whenhoe Directive #19.	Strategy Directive Stratgey	\vdash
	• Ooen Gates 1.2.3, 4 and 5 to 9.0 m	VV4A Directive Staregy	ŀ
	Issued Whenhoe Directive #20. Open Gates 1 2, 3, 4 and 5 to 9.5 m	W4A Correspondence	ŀ
3,49 PM	* Open Castes 1 2, 3, 4 and a last mile that 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 mannitude to the 1893 event (-8.36m in Brisbane Port Office)	Collespondence	ŀ
		Directive Stragely	ţ
4.15 PM	Ssued Whenhoe Directive #21. Open Gates 1 2 3 4 and 5 to 10.0 m	W4A	L
4:33 PM	Phone call with TM and Peter Burrows. Discussed that even though the magnitude food in Brisbane is similar to 1974 food event, the no-dam food would be significantly larger without	Correspondence	ŀ
	Wiveshoe. Peter Allen phone call. PA requested more technical information in the status reports released by Duty Engineers. PA will send through an example of the technical data requested in	Correspondence	t
	the report Issued Wiverhoe Directive #22	Directive Straegy	t
	+ Open Gales 1.2. 3, 4 and 5 to 10.5 m	W4A	t
			ł
	issued V/nenhoe Directive #23. Open Gates 1 2 . 3 . 4 and 5 to 11.0 m	Directive Strategy W4A	L
522 PM	John Gays 1 2 3, 4 and 3 to 11 3 in 1 and JR discussed current Whenhoe Inflows and anticipated outlines. TM confirmed that 7500cumecs is still likely early tonight.	Correspondence	L
E-10 DM	Rob Drury asking Tarong Energy to hold off releasing water from Spityard Creek	Correspondence	ŀ
9.40 PM	1100 ptn) avend transf milita on tocomis uses uses abulan areas		l
S CO CITY	Issued Wivenhoe Directive #24.	Directive Strategy	H
ì	Open Gates 1 2, 3, 4 and 5 to 12.0 m	W4A Stuation Report	+
0.00 8M	Situation Report 1800 11 January 2011 In the last twelve hours totals of up to 370mm have fater in the area around Wivenhoe Darm. In the last hour, rainfalls between 16 and 30mm have been recorded in the same area.	Strategy W4AW/4B	l
	At 1600, the BOM edvised that fails between 50 to 100mm are still forecast for the 24hrs to 1600 Wednesday 12 January 2011 for the North Pine and Somerse/Withenhoe catchments. At 1730 Withenhoe Dam was 74,92m AHD and rising story and releasing about 6,700m3/s.		
	The current expectation is that the darn will reach a sleady state (outlow equals inflow) within the next 3 hours without further significant rainfall. At this time, release from the darn will be about 8,000 m3/s.		Ì
	. If there is no further rainfal, it may be possible to then stork/reduce this release overlight. The dam is excepted to peak helive 75 in AHT which is 1 t00mm below the first fives evolv initiation level.		
	Note that the automatic recorder as indicated on the BoM website is affected by drawdown and is not reflecting the actual lake level and tendency. The Flood Press from Creating recording to making registed and under the original tender through the Briefshare and Brieg pathorests and registed on courses of training and original tenders. The EO		1
6:07 PM	Recap of current release strategy amongst Duty Engineers. Current Wirenhoe scenario: 74.9 m - at gates at 12m. Won't go to 13m settings until level reaches 75.0 m AHD.	Correspondence	1
2.37 1 181		Strategy W4A	t
			1
		<u> </u>	ŀ
			f
7:30 PM	Doug Grigg (Wirering Dam) called to report that Wivenhoe Level 74 97mAHD is holding	Correspondence	ſ
			T
			1
8:25 PM	Joe Meisner rang to advise that the high voltage feeder to Wivenhoe will not be restored for the duration of this event. JT advised that Wivenhoe is operating successfully on the	Correspondence	t
1	occerator, and they have a feir bit of desig. There are size 2 other backurs to occerate the oping	Cameron	1
	Doug Grigg (Wivenhoe Dam) called to edvise that Wivenhoe's level is 5mm down.	Correspondence	1
8:30 PM		i .	1
8:30 PM			Į
	Issued Somerset Directive #7.	Directive	ŀ
8.30 PM	Issued Somerset Directive #7. - Fully Open Studg L at 10.30. Peter Burrows (Seqwater) called FOC to speak with all duty engineers on the operating strategies for Wivenince releases.	Directive Correspondence Strategy W4A	

8:55 P	ACTION Peter Burrows (Seqwater) rang asking about possibly reducing releases. TM advised that we are seriously considering it, but this would have Rite effect on the levels in Brishane River.	CATEGORY Correspondence	IIIII A
	Peter would like technical reports every hour throughout the night		
9:00 PI	Dranace Phase / Issued Wivenhoe Directive #25.	Directive	·
0.0011	• Close Gates 12: 3. 4 and 5 to 11.0 m	<u>Drainage Phase</u>	
9 25 P	A The last directive to loner the Viveninoe dates to 11m should have been 11.5m. A new directive to raise to 11.5m was issued.	Directive	
9.30 P	Mal Lane (North Pine Dam) called. They are still behind in gate closures.	Correspondence	
9.30 P	Issued Wivenhoe Directive #26 Close Gates 1 2 3, 4 and 5 to 11.5 m	Directive	. '
940 P	/ JW cated Doug Grigg (Wiveninga Dam) to obtain a current level. EL 74.97 Gates have been raised to 11.5m.	Correspondence	
3.40,1			
#####	Sevied North Pine Directive #21a - Gate B. Close to Interested 4 at 22.30 - Gate B. Close to Interested 4 at 22.30 - Gate B. Close to Interested 4 at 22.45 - Gate B. Close to Interested 4 at 22.15 - Gate B. Close to Interested 4 at 23.10 - Gate B. Close to Interested 4 at 23.15 - Gate B. Close to Interested 4 at 23.30 - Gate B. Close to Interested 3 at 23.45	Directive	
		Соптевропиелсе	
	Doug Grigg (Wirenhoe Dam) called to report take savel of 74.94mAHD @ 10.30hrs.		
	Doug Grigg (Wirenhoe Dam) cafed to report late level of 74.92mAHD @ 11.00frs.	Correspondence	
####	issued Wivenhoe Directive #27 - note directive #28 was a duplicate and not sent • Close Gates 5.1.4.2 and 3 to 10.0 m	Directive	
*****	// Cated Doug Grigg (Wivenhoe Dam) to obtain a current level. Et. 74.97 Gates have been reised to 11.5m.	Correspondence	
	Issued North Pine Directive #22 Gate Dr. Close to Increment 3 at 00:15 Gate Ar. Close to Increment 3 at 00:30 Gate Cr. Close to Increment 3 at 00:45 Gate Cr. Close to Increment 3 at 01:00 Gate Br. Close to Increment 2 at 01:15	Directive	
	Doug Grigg (Vivenhoe Dam) called to report late level of 74.88mAHD @ 12.30hrs.	Correspondence	
1	John Thomson (SunWater) called to provide Energex contact details; Sileve, phone number 0418 166 814. Steve indicated that he didn't believe 179 Turbot St would be disconnected from power orld in the magning.	Correspondence	
1:15 A	PAT rang Doug Grigg (Winchoo Dam) advising next directive. We want to get releases down as quick as possible white still lowering lake levels. Advised that we may possibly have a communications problem in the morning if power to 179 Turbot Street is out	Correspondence	
1:15 A	Visual Virentina Directiva #29. • Close Gates 5.1.4.2 and 3 to 9.0 m	Directive	
	V Issued North Pine Directive #23. - Gale D. Close to Internent 2 at 02.55 - Gale A. Close to Internent 2 at 02.30 - Gale A. Close to Internent 2 at 02.30 - Gale C. Close to Internent 2 at 02.45 - Gale C. Close to Internent 2 at 03.00	Directive	
210 A	M James Charalambous (BCC) rang enquiring about a release strategy. Addised one will be issued at about 3:00am. Talked about the activities of the last 24 hours.	Correspondence	
3.10 A	V JR rang Mal Lane (NPD) and advised no changes to gate settings planned for the next hour or so.	Correspondence	
3:15 A	Vissued Wivenhoe Drective #30. - Close Gates 5.1.4 2 and 3 to 8 0 m	Directive	
3:30 A	West Myat (SEQWater Mt Crosby Y/TP) cated enquiring about levels at Mt Crosby.	Correspondence	
	VIRA called Chris Lahey (BoM) advising him that because inflows are not as much as earlier anticipated, the releases from Wiventroe are less than previously suggested.	Correspondence	
4.05 A	Wilan Douglas, DIC of Lowood Police, rang enquiring about the Wilvenhoe fuse plug. AV advised that there is no danger of the fuse plug fating, and that current releases from Wilvenhoe	Correspondence	
4:15 A	Dam at a about 4 500 curses Masued North Pine Directive #24 Gade B C Close to increment 1 at 04:30 Gate B C Close to increment 1 at 04:45 Gate A C Close to increment 1 at 05:00 Gate C Close to increment 1 at 05:15 Gate C Close to increment 1 at 05:15 Gate C Close to increment 1 at 06:15	Directive	
4:30 A	W Issued Vivening Otrective #31.	Directive	
	• Close Gates 5.1.4.2 and 3 to 7.0 m		
		Directive	
5:30 A 5:30 A	Close Gates 5.1.4.2 and 3 to 6.0 m	Directive	
5.49 A	No Situation Report 6600 Wed 120 (120 11) No Significant rain has fatten over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24.48 hours. No significant rain has fatten over the catchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24.48 hours. Whenchos Dam peaked on the 11th January, Tuesday right at 19.00 at 74.97 mAHD and fating sharty. The releases from Whenchos Dam will be temporarily reduced to 2,000 m35 to allow the peak of Lockyer Creek to entire the Brisbane River, efter which they will be increased to maximum of 3,000 m35. This releases will true he maintained to 4 arth the food storage component within the required 7 days. Somerset Dam is at 105.10 mAHD and slowly rising. The dam is discharging 1,230 m35 over the spillway. The dam is expected to peak this morning near its current level. Studies gates will be titized to easist the draining of the food storage companient commencing on Thursday. The combined food event volume in Somerset and Whenhoe Dams is estimated to be in excess of 2 million registres. North Price Dam is currently releasing 105 m35s through the gates. At 17,000 the fate was 39.78 mAHD. The event has a volume of around 200,000 ML. The peak discharge from the The Prood Operations Centre is continuing to monitor rainfals and water levels through the Brisbane and Prine catchments and reviewing operating strategy every 30 minutes. The FO The next report will be issued at 03:00.12 January 2011.	Stuaton Report	
	M ssued Wireshoo Directive #34.	Directive	

	7.57 AV	Situation Report 0800 Wed 12/01/2011 .	Stuation Report	TM
	7.07 7.4.	Rainfall	0.032011104011	
		- No sign/Xxxxt rain has fallen over the calchments in the past twelve hours. Less than 10 to 15 millimeters of rainfall is expected over the next 24-48 hours.		
	:	SomersetWhentoe		
		- 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 spithway. Stude gates will be utilised to assist the draining of the food storage compartment commercing 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		
	:	stowly. The releases from Wivenhoe Dam have been temporarly reduced to 2,500 m3/s at 07.30 to allow the peak of Lockyer Creek to enter the Brisbane River. After the downstream peak		
		in the lower Brisbane River has passed, releases will be increased to maximum of 3,500 m3/s. This release will then be mantained to drain the flood storage component within the		
	l	required 7 days. The combined food event volume in Somerset and Winenhoe Dams is estimated to be in excess of 2 million megalities.		
		the combined food event volume in Somerset and Yurennoe Dams is estimated to be in excess or 2 major mega-tres.	1	
		North Pine		
		AL 07.00 North Pine Dam was 39.78 mAHD falling and releasing about 105 m3/s. North Pine has peaked at 41.11 mAHD at 14.00 on 11 January 1974 with peak release of 2,800 m3/s		
	l .	Strategy		
	ŀ	 The Flood Operations Centre is continuing to monitor rainfalls and water levels through the Bristiane and Pine catchments and reviewing operating strategy every 30 minutes. The FO The next report will be issued at 12:00-12 January 2011. 		
		11010-1017-1017-1017-1017-1017-1017-101		
	8:30 AM	issued North Pine Directive #25.	Directive	· KH
	0.000	• Gate E. Open to increment 2 at 08:45		
	######		Directive	кн
		-Fully Open Strice Lat 10:39.		
	 			
	*****	Peter Baddley, Rob Vertessey, Jim Stevenson from BoM visited FOC to liaisa with the Duty Engineers.	Correspondence	NGA
				
	—			
	2:15 PM	Issued North Pine Directive #26.	Directive	NGA
		- Gate E: Close to increment 1 at 14:15		-
	2.45 PM	Issued North Pine Directive #27. • Gate C. Close to Increment 1 at 14:45	Directive	NGA
	3:00 PM	1. 03/80 C 2008 to merchent 1 at 14/42 Situation Report 1500 Vide 12/01/2011	Situation Report	TM
		Rantal		
		Rainfall in the last 12 hours is generally below 5mm with a couple of 10mm fails in the Stanley and North Pine catchments. There is no significant rain expected fin the next 4 days.		
		Somers#/Minenhoe		
		- Somerset Dam has peaked at 105.11 mAHD at 06.00 on 12 January 2011. One stuce was opened at 1030 12 January 2011 and the dam is discharging 1,440 m3/s. Stuce gates will be utilised to drain of the food 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 Good storage component within the required 7 days.		
		The combined food event volume in Somerset and Wirenhoe Dams is estimated to be in excess of 2 million megalitres.		!
		North Ping		
		posed in the Automotive Dam was 39,74 mAHD fating with all gates open 1 increment, releasing about 60 m3/s. North Pine peaked et 41,11 mAHD at 14,00 on 11 January 1974 with peak		
		Sizeday The Flood Operations Centre is continuing to monitor rainfate and water levels through the Brisbane and Prine catchments and reviewing operating strategy every 30 minutes. The FOC		
		The next report will be issued at 18:00 12 January 2011.		
	\vdash			
	4.20 PM	Ken Morris (BCC) called FOC and had phose conference with Duty Engs. He was seeking update for briefing with Lord Mayor.	Correspondence	NGA
	600 PU	Situation Report 1800 Wed 12/01/2011	Stuston Report	TM
	#. #V F RG.	Rahfall		
		Reinfall 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.		
		Somersel/Vinenhoe		
		- Somerset Dam has peaked at 105.11 mAHD at 06.00 on 12 January 2011. One stylice was opened at 1030 12 January 2011. Somerset Dam was 104 87 mAHD at 1700 12		
		January 2011 and discharging 1,410 m3/s. Stude 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 74.82 m AHD at 17:00 and staady.		
		L The release from Wivenhoe Dam was reduced to 2 500 m3/s at 07:30 12 January 2011 to allow the beak of Lockyet Creek to enter the Brisbane River and this release has been		
		maintained since. After the downstream peak in the lower Brisbane River has passed, releases will be increased to macimum of 3,500 m3/s. The release is expected to commence Thursday and then be maintained at this level to drain the food storage component within the required 7 days. The releases will not result in any renewed rises at downstream locations		
	<u> </u>	Tito yang pilipi dien un makanan an on semano den in mendengan emperiori ni and mendengan dengan semanon dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan dengan de		
40.00				
13/01/11				
				1
	5:43 414	Situation Report 0500 13 January 2011	Situation Report	RA
	0.43 MY	Ranfal		
		Rainfall in the last 12 hours is generally below 5mm with isolated falls of up to 15mm in the Stanley, Lockyer and Pine River catchments. There is no significant rain expected in the	'	
		nest 4 days.		
		SomerseWilhenhoe		
		Somerset Dam peaked at 105.11 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. Stude gates will be utilised to drain of the food storage compartment during the next 5 days.		
		dan is currently discharging 1,130 m3/s. Strice gates will be utilised to dran of the rood storage companient outring the residuality of the string of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the c		
		commerce to fall blooks		
		The releases from Whenhoe Dan have been temporarily reduced to 2,500 m3/s at 07:30 on Wednesday 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane Dans The seleases from Whenhoe Dans have peak of Lockyer Creek to enter the Brisbane Dans The School Dans have peaked at the Data Office Gauss and Thursday medica. Pelases from Whenhoe Dans allow the peak of Lockyer Creek to enter the Brisbane Dans the peak of Lockyer Creek to enter the Brisbane.		
		Marth Dina	Situation Report	
	1	VINUELLAS AU 05.00 North Prine Dam was 39.70 mAHD falling with all gates open 1 increment, releasing about 60 m3/s. North Prine 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 ML. It is expected that all gates will be closed on Firday.		
		Statisty - The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and reviewing operating strategy. The FOC will		
	1	continue to maintain close contact with warning agencies and local councils.		
		The next second will be keyed at 18:00 on Treusday 13 Isouran 2011		

PAIE		e ACTION	CATEGORY	MITIALS
	-			
	-			
	***	## Wivenhoe directive #35 issued	 -	
	*****	Open Gate 2 from 4.0 metres to 4.5 metres at 1300	Directive	JW
		Open Gate 4 from 4.0 metres to 4.5 metres at 1400.	İ	
	####.	## Somerset drective #10 issued • Fu/bi Open Stude K at 13 00.	Directive	JW
	2 15 5	W. Phona call from Stave Roso, MBRC. Advice as follows:		
		* damage to Gympie Rd abutments * No execusions	Correspondence	JW
		* No suburban fooding		1
	2.30 P	* Not seare of any gree food fooding. Pine Shire had 0.75m the should. With whole directive #36 issued.	Correspondence	JW
		Open Gate 1 from 3.5 metres to 4.0 metres at 1500. Open Gate 5 from 3.5 metres to 4.0 metres at 1600.	- Toniospaniasino] "
		Open Gate 1 from 4.0 metres to 4.5 metres at 1700. Open Gate 5 from 4.0 metres to 4.5 metres at 1800.	1	
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	4:45 D	M Judy (VBRC) was addised that NPD gates will be closed at 0500 Friday		
			Correspondence	TM
	10.00 P	M Wivenhoe directive #37 Issued • Open Gate 2 from 4.5 metres to 5.0 metres at 1830.	Directive	JN
		• Open Gat6 4 from 4.5 metres to 5.0 metres at 1900. • Open Gat6 4 from 4.5 metres to 5.0 metres at 1900.		
	1.	Open Gate 5 from 4.5 metres to 5.0 metres at 2000. Open Gate 3 from 5.0 metres to 5.5 metres at 2030.]	
	<u> </u>	Special Control (Note and Orlingies at 200).		
	7:51 P	M Rob called Mail Lane (North Pine Dam) to discuss the current drainage strategy to close all gates by 5am tomorrow. Water level in North Pine Dam will be frequently monitored against	Correspondence	DP
		United the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	Directive	DP
		Open Gate 2 from 5.0 metres to 5.5 metres at 2100. Open Gate 4 from 5.0 metres to 5.5 metres at 2200.	Battarie	DF.
	1	Open Gate 1 from 5.0 metres to 5.5 metres at 2300, Open Gate 5 from 5.0 metres to 5.5 metres at 2000.] !	
•		Open Gate 3 from 5.5 metres to 6.0 metres at 0100 on 14/1/11 Open Gate 3 from 5.5 metres to 6.0 metres at 0200		
	8:29 DI	In Other Galle 3 from 5.5 metres to 6.0 metres at 0200		
	62077	M Somerset directive #11 based - Fully Ocen Styce N et 21.00	Directive	DP
14/01/1	1			
	2.10 A1	A Rob Ayra called Shana Watson to advise commencement of shut down of gates in accordance with Directive #30.		
		Please undertake the following gata operations commencing at 03.15 on Friday 14 January 2011.	Directive	DP
		The interval between gate operations is to be 15 minutes.	i l	
		• Gale A: Close to 1 increment at 03:15	1	
	1	Gate E: Close to 1 Increment at 03:30 Gate C: Close to 1 Increment at 03:45	l J	
		• Fully Close Gala B at 04:00		
		Fully Close Gate D at 04.15 Fully Close Gate A at 04.30	ı İ	
	1	• Fully Close Gate E at 04.45		
	5:13 AM	Facreceived from North Pine Dam confirming dosute of all gates.	Correspondence	DP
	5:15 AV	Right Ava called URDC to a threath-title Down has down the Feel Laboratory	Correspondence	OP
	5:16 AV	Walcom from North Pine Dam called to confirm that all gales are closed, and Young's Crossing should be passable within 2 hours. Lake Kurwongbah level is 20.43 m.	Correspondence	DP
	-		Correspondence	
	L			
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		Murray Durelso constrain Nash Do. Thaday and St.		
		1995CUED, MOVE 2 DUTGET OF GRAD LIDED INDICATE AND OTHER CORPORATION AND ADMINISTRATION OF the dame to compare with large at the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and t	Correspondance	NGA
		many dead fish caught within the roof 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.	1	
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15/01/11	2.15 AV	Whenhoe drecthe #40 Issued	Directive	юн
		Open Gate 5 from 5.5 metres to 6.0 metres at 02:30.		
	######	Whenhoe drective #41 Issued	Direction	41)
		Ocen Gate 3 from 6.0m to 6.5m at 10,30.	Directive	AN
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