

"KJM -5"

Situation Report 1500 06/02/2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
[REDACTED] Paul Bird [REDACTED]
[REDACTED] Rohan Thorogood [REDACTED]
[REDACTED] Al Navaruk [REDACTED] Bill Stephens [REDACTED]
[REDACTED] David Pokarier [REDACTED] John West [REDACTED]
[REDACTED] Lou van Blerk [REDACTED] Mark Tan [REDACTED]
[REDACTED] Nev Ablitt [REDACTED]
[REDACTED] Glenn Patterson [REDACTED]
[REDACTED] Murray Dunstan [REDACTED]
[REDACTED] au>, Rob Gorian [REDACTED]
[REDACTED] Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED] Jayam [REDACTED]
[REDACTED] Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Deb Chandler [REDACTED], Mailbox [REDACTED] Tony Trace [REDACTED]
[REDACTED] Chris Lavin [REDACTED] Craig Logan [REDACTED]
[REDACTED] Evan Caswell [REDACTED]
[REDACTED] James Charalambous [REDACTED]
[REDACTED] Ken Morris [REDACTED]
[REDACTED] Robert McGlinn [REDACTED] Santina Pennisi [REDACTED]
[REDACTED]
Date: Thu, 06 Jan 2011 14:54:07 +1000

Rainfall

In the 6 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wivenhoe catchments. Totals in the North Pine catchment have generally been between 20 and 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment.

The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qld.

The catchments remain wet and are likely to generate additional runoff in the event of rain.

North Pine Dam

At 1400 Thursday, North Pine Dam was 39.66m, 0.01m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. MBRC have been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday.

Somerset Dam

At 0700 Thursday, Somerset Dam was 99.34m, 0.34m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset inflows. Further regulator/sluiice operations will be required in the next 24 to 48 hours. The estimated event inflow volume into Somerset Dam is 50,000ML.

Wivenhoe Dam

At 0700 Thursday, Wivenhoe Dam was 67.31m and rising slowly. This is 0.31m above FSL and above the gate trigger level of 67.25m. There have been rises recorded at rivers and stream upstream of Wivenhoe Dam. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow.

There has been significant rainfalls in the Lockyer Ck catchment since 0900 Thursday and a peak of about 600m³/s is expected from the Lockyer late Friday. Wivenhoe gates will be opened after flood levels in the lower Lockyer subside. At this stage Wivenhoe releases during Saturday may be as high as 1,500m³/s and continue for a couple of days.

Impacts of Wivenhoe Dam Releases

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours.

The will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days. The relatively high Lockyer flows will at least impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days and may impact upon Burtons Bridge early Saturday. At this stage, there are not expected to be any adverse impacts upon Fernvale Bridge or Mt Crosby Weir Bridge.

Leslie Harrison Dam

Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.

The next situation report will be issued at 1800 Thursday 6/1/2011.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

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Situation Report 1800 06/01/2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
[REDACTED] Paul Bird [REDACTED] Rohan Thorogood
[REDACTED] au>, Deb Chandler [REDACTED] Mailbox
[REDACTED] Tony Trace [REDACTED] Chris Lavin
[REDACTED] au>, Craig Logan [REDACTED] Evan
[REDACTED] James Charalambous
[REDACTED] Ken Morris [REDACTED]
Robert McGlinn [REDACTED] Santina Pennisi
[REDACTED] Al Navaruk [REDACTED] Bill Stephens
[REDACTED] David Pokarier [REDACTED] John
[REDACTED] Lou van Blerk [REDACTED] Mark Tan
[REDACTED] Nev Ablitt [REDACTED]
[REDACTED] Glenn Patterson
[REDACTED] Murray Dunstan
[REDACTED] Rob Gorian [REDACTED]
[REDACTED] Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED] Jayam
Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Date: Thu, 06 Jan 2011 17:33:02 +1000

Rainfall

In the 8 hours since 9am Wednesday, there have been general totals around 30mm with isolated heavy falls up to 60mm in the Somerset and Wivenhoe catchments. There have been significant rainfalls in the Lockyer Ck catchment in the last 24 hours with widespread falls of 50mm and isolated falls up to 75mm. Totals in the North Pine catchment have generally been about 30mm. Falls between 20 and 30mm were recorded in the Leslie Harrison catchment.

The forecast for the next 24 to 48 hours is for totals up to 100mm in SE Qld.

North Pine Dam

At 1700 Thursday, North Pine Dam was 39.68m, 0.03m above gate trigger level. Gate operations will commence at 1900 Thursday and will impact upon Youngs Crossing. Moreton Bay Regional Council has

been advised and will confirm closure of Youngs Crossing prior to gate operations. Given the forecast rainfall during Friday, gate operations may continue into Saturday.

Somerset Dam

At 1700 Thursday, Somerset Dam was 9945m, 0.45m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the upper Stanley but there have been significant rises in Kilcoy Ck, adding to the Somerset inflows. Further regulator/sluiice operations will be required in the next 24 to 48 hours. The estimated event inflow volume into Somerset Dam is 50,000ML.

Wivenhoe Dam

At 1700 Thursday, Wivenhoe Dam was 6739m and rising slowly. This is 0.39m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels are still rising at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 180,000ML including Somerset Dam outflow.

A peak of about 600m³/s is expected from the Lockyer late Friday. At this stage there is some uncertainty associated with this estimate and it may or may not impact Burtons Bridge. Wivenhoe gates will be opened after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. At this stage Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,500m³/s, similar to recent events, and continue for a couple of days.

Impacts of Downstream of Wivenhoe

Somerset Regional, Ipswich City and Brisbane City Councils have been advised of the potential for gate operations during the next 24 hours.

The relatively high Lockyer flows will adversely impact upon Twin Bridges, Savages Crossing, Kholo Bridge and Colleges Crossing for several days and may impact upon Burtons Bridge early Saturday. At

this stage, there are not expected to be any adverse impacts upon Fernvale Bridge or Mt Crosby Weir Bridge.

Leslie Harrison Dam

Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.

The next situation report will be issued at 0600 Friday 7/1/2011.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:

Fax:

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FOC Situation Report at 06:00 on Friday 7 January 2011

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
[REDACTED] Paul Bird [REDACTED]
Rohan Thorogood [REDACTED]
[REDACTED], Al Navaruk [REDACTED] Bill Stephens
[REDACTED]m.au>, David Pokarier [REDACTED] John
[REDACTED]m.au>, Lou van Blerk [REDACTED] Mark Tan
Nev Ablitt [REDACTED]
[REDACTED]
[REDACTED] Glenn Patterson
[REDACTED] Murray Dunstan
[REDACTED]au>, Rob Gorian [REDACTED]
Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED] Jayam
Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Chris Lavin [REDACTED] Craig Logan
[REDACTED], Evan Caswell [REDACTED]
James Charalambous [REDACTED] Ken Morris
[REDACTED] Robert McGlinn [REDACTED]
Santina Pennisi [REDACTED] Tony Trace
[REDACTED] Deb Chandler [REDACTED] Mailbox
[REDACTED]
Date: Fri, 07 Jan 2011 06:06:32 +1000

Rainfall

There have been general totals around 30 to 50 mm with isolated heavy falls up to 75mm in the Somerset and Wivenhoe catchments since the event commenced on Wednesday 5 January 2011. There have been significant rainfalls in the Lockyer Ck catchment in the last 72 hours with widespread falls of 50mm and isolated falls up to 100mm.

Totals in the North Pine catchment have generally been about 35mm.

Falls between 20 and 30mm were recorded in the Leslie Harrison catchment.

The forecast for the next five days is for totals between 100 and 200mm in SE Qld. Given the saturated condition of the catchments further runoff will most likely be generated from this rainfall.

North Pine Dam

At 0600 Friday, North Pine Dam was at 39.48m, 0.12m below FSL. Gate operations commenced at 1915 on Thursday 6 January and are expected to continue until at least mid-day Friday 7 January when North Pine Dam is expected to be at 39.40m. These releases have impacted upon Youngs Crossing. Moreton Bay Regional Council was advised and they closed Youngs Crossing prior to gate operations commencing. Based upon the forecast rainfall, gate operations may continue into Saturday, but at this stage it is anticipated that gate operations will cease at around mid-day on Friday 7 January 2011.

Somerset Dam

At 0600 Friday, Somerset Dam was at 99.59m, 0.59m above FSL, and rising slowly. The rain in the Stanley River catchment has produced a small amount of runoff in the Upper Stanley but there have been significant rises in Kilcoy Creek, contributing to the Somerset inflows. Somerset Dam is currently releasing at a rate of 35 cumecs and further regulator/sluice operations will be required in the next 24 to 72 hours.

The estimated event inflow volume into Somerset Dam is around 50,000ML.

Wivenhoe Dam

At 0600 Friday, Wivenhoe Dam was at 67.64m and rising slowly. This is 0.64m above FSL and above the gate trigger level of 67.25m. Upstream of the dam river levels have peaked at the Linville and Gregors Ck gauges. The estimated event inflow volume into Wivenhoe Dam is 230,000ML including Somerset Dam outflow.

A peak of about 470 cumecs is expected from Lockyer Creek by mid-afternoon on Friday 7 January. At this stage there is some uncertainty associated with this estimate but it may be of sufficient magnitude to inundate Burtons Bridge.

Wivenhoe gate releases will occur after the impact of Lockyer flows on Burtons Bridge has been ascertained and flood levels in the lower Lockyer subside. It is proposed that Wivenhoe releases will commence late Friday/early Saturday and may be as high as 1,200 cumecs, (similar but slightly smaller to recent events), and the releases are expected to continue over the weekend though to Monday or Tuesday.

Impacts of Downstream of Wivenhoe

Somerset Regional Council, Ipswich City Council and Brisbane City Council have been advised of the potential for gate operations during the next 24 hours.

The relatively high Lockyer flows will adversely impact upon Twin Bridges, Savages Crossing, and Colleges Crossing for several days and may impact upon Burtons Bridge from Friday mid-day and Kholo Bridge later on Friday evening. At this stage, there are not expected to be any adverse impacts upon Fernvale Bridge or Mt Crosby Weir Bridge.

Leslie Harrison Dam

Following the heavy rainfall Wednesday night, gate operations commenced at Leslie Harrison Dam late Wednesday night and are continuing. Given the forecast rainfall, gate operations are expected to continue for the next 24 to 48 hours.

The next situation report will be issued at 1800 Friday 7 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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- Actual and Projected Wivenhoe Releases

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

Date: 7 January 2011 10:23:31 am

Subject: Actual and Projected Wivenhoe Releases

Please note that Wivenhoe releases will commence at 1500 Friday and be slowly increased to about 1,200 m3/s by 1400 Saturday. It will initially be held around this level until Sunday morning at which time the release strategy will be reviewed and be dependent upon further rainfall.

02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
02/01/2011 15:00:00	50	Actual
02/01/2011 16:00:00	50	Actual
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02/01/2011 22:00:00	50	Actual
02/01/2011 23:00:00	50	Actual
03/01/2011 00:00:00	50	Actual
03/01/2011 01:00:00	50	Actual
03/01/2011 02:00:00	50	Actual
03/01/2011 03:00:00	50	Actual
03/01/2011 04:00:00	50	Actual
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16/01/2011 10:00:00	13	Projected
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16/01/2011 12:00:00	13	Projected
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17/01/2011 08:00:00	13	Projected

Duty Engineer
Flood Operations Centre

Phone 

Fax:

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

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

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

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

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

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: [REDACTED]

Fax: 

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Please direct all enquiries to the message author.

Wivenhoe Operations

From: Duty Engineer [REDACTED]
To: Chris Lavin [REDACTED], Craig Logan [REDACTED], Evan Caswell [REDACTED], James Charalambous [REDACTED], Ken Morris [REDACTED], Robert McGlenn [REDACTED], Santina Pennisi [REDACTED], Deb Chandler [REDACTED], [REDACTED] Mailbox [REDACTED], Tony Trace [REDACTED]
Cc: Rob Drury [REDACTED], Mike Foster [REDACTED], Paul Bird [REDACTED]
Date: Fri, 07 Jan 2011 15:27:40 +1000

Please be advised that the first gate was opened at Wivenhoe at 1500 Friday 7/1/2011 and more gates will be progressively opened during the next 24 hours.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone [REDACTED]

Fax: [REDACTED]

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Situation Report 1800 Friday 07/01/2011

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

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

Rainfall

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

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

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

Sunday: Widespread rain with totals between 50-100mm

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

Tuesday: Rain easing with totals between 25-50mm

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

North Pine (Full Supply Level 39.60 m AHD)

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

Somerset (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe (Full Supply Level 67.00 m AHD)

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

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

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

Impacts downstream of Wivenhoe

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

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

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

Leslie Harrison

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone



Fax:

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Situation Report 0600 Saturday 08/01/2011

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

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

Rainfall

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

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

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

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

North Pine (Full Supply Level 39.60 m AHD)

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

Somerset (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe (Full Supply Level 67.00 m AHD)

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

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

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

Impacts downstream of Wivenhoe

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

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

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

John Ruffini

Duty Engineer

Flood Operations Centre

Phone: [REDACTED]

Fax:



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

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

Rainfall

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

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

Saturday: Rain light at times 5-50mm with higher falls along the coast

Sunday: Widespread rain with totals between 50-100mm

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

Tuesday: Rain easing with totals between 25-50mm

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

North Pine (Full Supply Level 39.60 m AHD)

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

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

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

Somerset (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe (Full Supply Level 67.00 m AHD)

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

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

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

Impacts downstream of Wivenhoe

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

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

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

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

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

Date: 8 January 2011 2:57:48 pm

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

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

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

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03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
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Duty Engineer
Flood Operations Centre

Phone 

Fax: 

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

From: Duty Engineer [REDACTED]
To: David Roberts [REDACTED]
[REDACTED] Paul Bird [REDACTED] Peter Allen
[REDACTED] Rohan Thorogood [REDACTED]
Al Navaruk [REDACTED] Bill Stephens [REDACTED]
[REDACTED] David Pokarier [REDACTED] John
West [REDACTED] Lou van Blerk [REDACTED] Mark Tan
[REDACTED] Nev Ablitt [REDACTED]
[REDACTED] Glenn Patterson
[REDACTED] au, Murray Dunstan
[REDACTED] Rob Gorian [REDACTED]
[REDACTED] Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED] Jayam
Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Deb Chandler [REDACTED] Mailbox [REDACTED] Chris
Lavin [REDACTED] Craig Logan [REDACTED] Don
Carroll [REDACTED] Evan Caswell [REDACTED]
[REDACTED] James Charalambous [REDACTED]
[REDACTED] Ken Morris [REDACTED]
Robert McGlinn [REDACTED] Santina Pennisi [REDACTED]
[REDACTED] Tony Trace [REDACTED]
Date: Sat, 08 Jan 2011 17:53:25 +1000

Rainfall

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

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

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

The outlook for the following days are:-

Sunday: Widespread rain with totals between 50-100mm
Monday: Widespread rain again with totals between 50-150mm
Tuesday: Rain easing with totals between 25-50mm

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

North Pine (Full Supply Level 39.60 m AHD)

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

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

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

Somerset (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe (Full Supply Level 67.00 m AHD)

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

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

Impacts downstream of Wivenhoe

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

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

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

Forecast Scenario – Based upon mid-range rainfall forecasts.

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

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

The assessments will be updated as the event progresses.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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From: Robert McGlinn
To: DM DutyOfficers,FIC-Standby-Duty-Officers
Date: Sun, Jan 9, 2011 5:01 am
Subject: FIC SITREP for Sunday 09 Jan 2011 for 5am

FIC SITREP for Sunday 09 Jan 2011 for 5am

Scattered showers have occurred in the last 24 hours giving an average of 8mm of rainfall over the catchment, with the highest falls of 17mm occurring in Brookside. Further rainfall is expected today with the forecast being for rain periods and possible thunder.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 3 days.

Sunday: Widespread rain with totals between 50-100mm
Monday: Widespread rain again with totals between 50-150mm
Tuesday: Rain easing with totals between 25-50mm

Current FloodWise Flooded Roads:

- Colleges Crossing, Mt Crosby

According to FloodWise, Minor Flooding is occurring at:

- Enoggera Ck at Enoggera Dam (with water levels falling)

Tidal Flooding:

Tidal flooding yesterday was less than expected in Brisbane City. The tide is predicted to reach a peak of 2.20m (0.96m AHD) at 12:24pm at the Brisbane Bar today. Even with the persistence of the oceanic anomaly and Wivenhoe Dam releases, the high tide level is expected to be no worse than has been experienced over the last few days.

Brisbane River - Flood Flow Conditions:

The peak flows from the Lockyer Ck have reached Brisbane City. The current available assessments indicate that the combined flow in the lower Brisbane River would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane River will be 0.4 to 0.5 metres higher than predicted tides due to the oceanic anomaly.

Wivenhoe Dam Release Strategy:

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

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

Assessments have been undertaken to determine possible increases to releases given the high likelihood of significant inflows in the next few days. Projections based upon the forecast rainfalls suggest flows of up to 1,200 m³/s will emanate from the Bremer River catchment. If similar rainfall magnitudes occur in the Upper Brisbane and Stanley Rivers then increased releases may be required from both Somerset Dam and Wivenhoe Dam.

Preliminary projections suggest that such a forecast will extend the release duration until next Saturday 15 January, but mid-Brisbane River flows will be kept to a maximum of 1,800 m³/s. However, if falls are greater than those forecast releases from Wivenhoe Dam may need to adversely impact Mt Crosby Weir Bridge (1,900 m³/s) and possibly Fernvale Bridge (2,100 m³/s) but

will be maintained below 3,500 m3/s.

The FIC will continue to monitor the situation, with the next scheduled SITREP due 09/01/2011 2:30pm

Regards,
Rob

Robert McGlinn

FIC Standby Duty Officer - Mobile: [REDACTED]

From: Michael Bell
To: Shane Hackett, Media Matters, Greg Swain, Christen Hill, Kylie Jacobson, DM-LMO Distribution, DM Duty Officers, BMTMC_Traffic, Lisa M Martin, EMT Distribution, CC-Management & TL Team, CC-SHIFT LEADER, Robert McGlenn, FIC-Standby-Duty-Officers [REDACTED]
Date: Sun, Jan 9, 2011 6:02 am
Subject: SITREP : 0003 (0600hrs) SUN 9 January 2011

SITREP : 0003 (0600hrs) SUN 9 January 2011

WEATHER

Issued at 0450hrs EST Sunday 9 January 2011 the BoM website indicates that for today the Brisbane forecast is rain periods with possible local thunder. Moderate SE to NE winds, fresh at times.

FLOODING TO HABITABLE AREAS

Nil reported

FLOOD INFORMATION CENTRE

As at 0500hrs, the FIC provided the following report:

Rainfall Summary:

Scattered showers have occurred in the last 24 hours giving an average of 8mm of rainfall over the catchment, with the highest falls of 17mm occurring in Brookside. Further rainfall is expected today with the forecast being for rain periods and possible thunder.

Advice from BoM indicates that SE Qld can expect further high rainfall totals over the next 3 days.

Sunday: Widespread rain with totals between 50-100mm
Monday: Widespread rain again with totals between 50-150mm
Tuesday: Rain easing with totals between 25-50mm

Tidal Flooding:

Tidal flooding yesterday was less than expected in Brisbane City. The tide is predicted to reach a peak of 2.20m (0.96m AHD) at 1224hrs at the Brisbane Bar today. Even with the persistence of the oceanic anomaly and Wivenhoe Dam releases, the high tide level is expected to be no worse than has been experienced over the last few days.

Floodwise:

Current FloodWise Flooded Roads:
- Colleges Crossing, Mt Crosby

According to FloodWise, Minor Flooding is occurring at:
- Enoggera Ck at Enoggera Dam (with water levels falling)

Brisbane River - Flood Flow Conditions:

The peak flows from the Lockyer Ck have reached Brisbane City. The current available assessments indicate that the combined flow in the lower Brisbane River would only add about 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane River will be 0.4 to 0.5 metres higher than the predicted tides due to the oceanic anomaly.

Wivenhoe Dam Release Strategy:

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

Assessments have been undertaken to determine possible increases to releases given the high

likelihood of significant inflows in the next few days. Projections based upon the forecast rainfalls suggest flows of up to 1,200 m³/s will emanate from the Bremer River catchment. If similar rainfall magnitudes occur in the Upper Brisbane and Stanley Rivers then increased releases may be required from both Somerset Dam and Wivenhoe Dam.

Preliminary projections suggest that such a forecast will extend the release duration until next Saturday 15 January 2011, but mid-Brisbane River flows will be kept to a maximum of 1,800 m³/s. However, if falls are greater than those forecast, releases from Wivenhoe Dam may need to adversely impact Mt Crosby Weir Bridge (1,900 m³/s) and possibly Fernvale Bridge (2,100 m³/s) but will be maintained below 3,500 m³/s.

BMTMC UPDATE

As at 0530hrs, the BMTMC has reported that the latest road intelligence suggests the following:

Roads Closed:

1. Gatton Helidon Road is closed due to flooding- motorists are advised to use an alternative route.
2. Mt Sylvia Road is closed to all traffic from the second last floodway due to road damage
3. The Gatton-Clifton Road is closed to all traffic between Doyles Camp Bridge and McGinleys Road. There is a 5 tonne load limit between McGinleys Road and the New England Hwy.
4. Kholo Rd bridge is closed due to the water release from Wivenhoe Dam.
5. Colleges Crossing on Mount Crosby Road is closed due to the water release from Wivenhoe Dam.

Roads impacted by water over the road:

1. Paradise Road, Larapinta
2. Illaweenah Street, Drewvale
3. Young Crossing Road, Joyner
4. Wembley Rd, Berrinba
5. Boscombe Rd, Brookfield

CARS (RRG) BRANCH RESPONSE

As at 0530hrs, RRG reported that during their patrols:

1. Blunder Road, Oxley had minor debris on the side of the road; and
2. Bowhill Road, Oxley had partial flooding of the outbound lane, however, water on road signs were at both ends advising of this. Substantial debris was on the side of road.

LAS ERG has been contacted and will organise for the debris to be removed today.

LAS

LAS will again today have the "King Tide – Salt water over road" signs down for the predicted higher than usual tides at the usual locations. In addition, LAS ERG will be out today monitoring known locations for possible high tide road inundation.

BRISBANE SES

As at 2045hrs, Saturday 8 January 2011, the Brisbane SES advised that 3 jobs were received with all jobs completed. No major incidents or events.

CONTACT CENTRE

As at 0445hrs, the CC advised that the graveyard shift did not receive any flood or storm related calls from the public. However, since 12pm yesterday the following services requests were received that may be of interest:

- 3 fallen tree branches
- 20 flood/stormwater drain maintenance requests
- 47 road maintenance requests - this included potholes and floodwater over road requests

DM DUTY OFFICER

Michael Bell.

DUTY OFFICER TELEPHONE NUMBER

[REDACTED]

The next SITREP will be issued at 1500hrs SUN 9 January 2011.

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

From: Duty Engineer [REDACTED]
To: Duty Engineer [REDACTED] David Roberts [REDACTED]
[REDACTED] Paul Bird [REDACTED], Peter
Allen [REDACTED] Rohan Thorogood [REDACTED]
[REDACTED]
Al Navaruk [REDACTED] Bill Stephens [REDACTED]
[REDACTED] David Pokarier [REDACTED] John
West [REDACTED] Lou van Blerk [REDACTED] Mark Tan [REDACTED]
[REDACTED] Nev Ablitt [REDACTED]
[REDACTED] Glenn Patterson [REDACTED]
[REDACTED] Murray Dunstan [REDACTED]
[REDACTED] Rob Gorian [REDACTED]
[REDACTED] Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED] Jayam [REDACTED]
Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Deb Chandler [REDACTED] Mailbox [REDACTED] Chris
Lavin [REDACTED] Craig Logan [REDACTED] Don
Carroll [REDACTED] Evan Caswell [REDACTED]
[REDACTED] James Charalambous [REDACTED]
[REDACTED] Ken Morris [REDACTED]
Robert McGlinn [REDACTED] Santina Pennisi [REDACTED]
[REDACTED] Tony Trace [REDACTED]
Date: Sun, 09 Jan 2011 06:15:29 +1000

Rainfall

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

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

Saturday Mostly fine.

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

Impacts downstream of Wivenhoe Dam

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

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

John Tibaldi

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

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

Wivenhoe Actual and Projected Releases

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

Date: Sun, 09 Jan 2011 08:43:43 +1000

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC

9/01/2011 8:42

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Duty Engineer

Flood Operations Centre

Phone

Fax:

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Please direct all enquiries to the message author.

From: Robert McGlinn
To: FIC-Standby-Duty-Officers, DM Duty Officers
Date: Sun, Jan 9, 2011 1:42 pm
Subject: FIC SITREP for Sunday 09 Jan 2011 for 2:30pm

FIC SITREP for Sunday 09 Jan 2011 for 2:30pm

Scattered showers have occurred in the last 24 hours giving an average of 27mm of rainfall over the catchment, with the highest falls of 47mm occurring in Brookside. Further rainfall is expected tonight and tomorrow with the forecast being for rain periods, heavy at times and possible thunder. Rainfall predictions from the BoM website indicates that SE QLD can expect further high rainfall totals over the next 3 days.

Sunday: Widespread rain with totals between 50-100mm
Monday: Widespread rain with totals between 150-200mm
Tuesday: Widespread rain with totals between 100-150mm
Wednesday: Rain easing with totals of up to 5-10mm
Thursday: No rainfall forecasted at present

The next routine forecast will be available on the BoM website after 9pm tonight.

Current FloodWise Flooded Roads:

- Boscombe Rd, Brookfield
- Colleges Crossing, Mt Crosby
- Trouts Rd, Stafford Heights
- Trouts Rd, McDowall

According to FloodWise, Minor Flooding is occurring at:

- Enoggera Ck at Enoggera Dam (with water levels rising)
- Downstream of Nudgee Rd near Crockford St, Nudgee (with water levels falling)

Tidal Flooding:

Ground reports indicate that tidal flooding experienced today was slightly higher than experienced yesterday. Today's tide was predicted to reach a peak of 2.20m (0.96m AHD) at 12:24pm at the Brisbane Bar. Gauge readings show today's tide peaked at 2.71m (1.47m AHD) at 12:35pm at the Brisbane Bar. This indicates a difference of 0.51m between the recorded and predicted peak high tide.

This difference can be attributed to the ongoing oceanic anomaly (0.4-0.5m) and additional flows from Lockyer Ck flows and Wivenhoe Dam releases (less than 0.1m). Discussions with the BoM indicate that this oceanic anomaly will persist for the next 1-2 months, but the level to which it affects the tide will vary.

The high tide is predicted to peak at 2.08m (0.84m AHD) at 12:56pm at the Brisbane Bar tomorrow. Given the persistence of the oceanic anomaly and additional flows from Lockyer Ck and Wivenhoe Dam releases, the tide could be expected to reach up to 2.68m (1.44m AHD) at the Brisbane Bar. This level is below that experienced in the last few days.

Brisbane River - Flood Flow Conditions:

The peak flows from the Lockyer Ck have reached Brisbane City. The current available assessments indicate that the combined flow in the lower Brisbane River would only add 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane River will be 0.4 to 0.5 metres higher than predicted tides due to the oceanic anomaly.

Advice from the BoM indicates that although heavy rainfall is predicted for the Lower Brisbane River catchment tomorrow - this is unlikely to cause significant increases to Brisbane River levels at the city. Any local creek inflows will likely be absorbed during the normal tidal cycle. If the predicted heavy rainfall eventuates and occurs within the Upper Brisbane River catchment, any impacts to

River levels at the city will not be seen until later in the week.

Wivenhoe Dam Release Strategy:

The dam level is currently falling slowly, with the current level being 68.58m AHD. River levels upstream of the dam are receding, however further inflows will result from any additional rainfall. The current gate operation strategy will maintain flows of around 1,600m³/s in the mid-Brisbane River. The total release for the event is likely to increase over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Wednesday.

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

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

The FIC will continue to monitor the situation, with the next scheduled SITREP due 10/01/2011 5:00am.

Regards,
Rob

Robert McGlinn

FIC Standby Duty Officer - Mobile: [REDACTED]

The high tide is predicted to peak at 2.08m (0.84m AHD) at 12:56pm at the Brisbane Bar tomorrow. Given the persistence of the oceanic anomaly and additional flows from Lockyer Ck and Wivenhoe Dam releases, the tide could be expected to reach up to 2.68m (1.44m AHD) at the Brisbane Bar. This level is below that experienced in the last few days.

Floodwise:

- 1) Flooded Roads:
 - Boscombe Rd, Brookfield
 - Colleges Crossing, Mt Crosby
 - Trouts Rd, Stafford Heights
 - Trouts Rd, McDowall
- 2) Minor Flooding is occurring at:
 - Enoggera Ck at Enoggera Dam (with water levels rising)
 - Downstream of Nudgee Rd near Crockford St, Nudgee (with water levels falling)

Brisbane River - Flood Flow Conditions:

The peak flows from the Lockyer Ck have reached Brisbane City. The current available assessments indicate that the combined flow in the lower Brisbane River would only add about 50mm to an upper limit of 100mm to the recorded water levels in the City Reach of the Brisbane River. However, it is noted that tides in the lower Brisbane River will be 0.4 to 0.5 metres higher than the predicted tides due to the oceanic anomaly.

Advice from the BoM indicates that although heavy rainfall is predicted for the Lower Brisbane River catchment tomorrow (predicted to be between 150mm to 200mm) - this is unlikely to cause significant increases to Brisbane River levels at the city. Any local creek inflows will likely be absorbed during the normal tidal cycle. If the predicted heavy rainfall eventuates and occurs within the Upper Brisbane River catchment, any impacts to River levels at the city will not be seen until later in the week.

Wivenhoe Dam Release Strategy:

The dam level is currently falling slowly, with the current level being 68.58m AHD. River levels upstream of the dam are receding, however further inflows will result from any additional rainfall. The current gate operation strategy will maintain flows of around 1,600m³/s in the mid-Brisbane River. The total release for the event is likely to increase over the next few days based on the current rainfall forecasts. At this stage, releases will continue until at least Wednesday. The current Wivenhoe Dam release combined with Lockyer flows and local runoff will mean that all low level crossings downstream of Wivenhoe (Twin Bridges, Savages Crossing, Burtons Bridge, Kholo Bridge and Colleges Crossing) will be adversely impacted until at least Wednesday 12 January 2011. At this stage Fernvale and Mt Crosby Weir Bridge are not expected to be affected, but this may be revised if the predicted rainfall totals eventuate and higher releases from Wivenhoe Dam are considered necessary.

BMTMC UPDATE

As at 1430hrs, the BMTMC report that based on the latest road intelligence, the following impacts are occurring:

Roads Closed:

1. Mt Sylvia Road is closed to all traffic from the second last floodway due to road damage
2. The Gatton-Clifton Road is closed to all traffic between Doyle's Camp Bridge and McGinleys Road. There is a 5 tonne load limit between McGinleys Road and the New England Hwy.
3. Kholo Rd Bridge is closed due to water release from Wivenhoe Dam.
4. Colleges Crossing on Mount Crosby Road is closed due to the water release from Wivenhoe Dam.

Water over road:

1. Paradise Road, Larapinta
2. Illaweenah Street, Drewvale
3. Young Crossing Road, Joyner
4. Wembley Rd, Berrinba

Situation Report 1700 Sunday 9/1/2011

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

Rainfall

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

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

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

Friday A shower or two.

Saturday Mostly fine.

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

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Wivenhoe Actual and Projected Releases

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

Date: Sun, 09 Jan 2011 17:57:07 +1000

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

Wivenhoe Dam Actual and Projected Releases

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17/01/2011 08:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

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Situation Report 2100 9/01/2011

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

Rainfall

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

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

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

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- Actual and Projected Wivenhoe Releases

From: "Duty Engineer" [REDACTED]
To: [REDACTED], "Chris Lavin"
 [REDACTED] "Craig Logan"
 [REDACTED] "Don Carroll"
 [REDACTED] "Evan Caswell"
 [REDACTED] > "James Charalambous"
 [REDACTED] "Ken Morris"
 [REDACTED] "Robert McGlinn"
 [REDACTED] "Santina Pennisi"
Date: 9 January 2011 9:07:46 pm
Subject: Actual and Projected Wivenhoe Releases

Wivenhoe Dam Actual and Projected Releases

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

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17/01/2011 03:00:00	1736	Projected
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17/01/2011 06:00:00	1710	Projected
17/01/2011 07:00:00	1701	Projected
17/01/2011 08:00:00	1692	Projected

Duty Engineer
Flood Operations Centre



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From: Robert McGlinn
To: DM DutyOfficers,FIC-Standby-Duty-Officers
Date: Sun, Jan 9, 2011 10:25 pm
Subject: FIC - Change of Duty Officer for 9/01/2011-10/01/2011

Hi All,

As you may know, the LDCC has now been activated. The FIC will be assisting by monitoring and providing regular updates to the LDCC when required.
Ken Morris is now the FIC Duty Officer for tonight. Ken is currently in contact with both the BoM and SEQ Water.

All future FIC related queries should be directed to Ken [REDACTED]

Thanks,
Rob

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

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

Rainfall

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

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

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Regards

John Ruffini

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

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

Wivenhoe Dam Actual and Projected Releases

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

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

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

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

12/01/2011		
11:00:00	2681	Projected
12/01/2011		
12:00:00	2678	Projected
12/01/2011		
13:00:00	2675	Projected
12/01/2011		
14:00:00	2672	Projected
12/01/2011		
15:00:00	2669	Projected
12/01/2011		
16:00:00	2666	Projected
12/01/2011		
17:00:00	2663	Projected
12/01/2011		
18:00:00	2659	Projected
12/01/2011		
19:00:00	2656	Projected
12/01/2011		
20:00:00	2653	Projected
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21:00:00	2650	Projected
12/01/2011		
22:00:00	2646	Projected
12/01/2011		
23:00:00	2643	Projected
13/01/2011		
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13/01/2011		
01:00:00	2636	Projected
13/01/2011		
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04:00:00	2626	Projected
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05:00:00	2623	Projected
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08:00:00	2612	Projected
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13/01/2011		
10:00:00	2605	Projected
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13/01/2011		
12:00:00	2593	Projected
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13:00:00	2587	Projected
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14:00:00	2581	Projected

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

14/01/2011		
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14/01/2011		
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21:00:00	2376	Projected
14/01/2011		
22:00:00	2369	Projected
14/01/2011		
23:00:00	2362	Projected
15/01/2011		
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01:00:00	2348	Projected
15/01/2011		
02:00:00	2340	Projected
15/01/2011		
03:00:00	2333	Projected
15/01/2011		
04:00:00	2326	Projected
15/01/2011		
05:00:00	2319	Projected
15/01/2011		
06:00:00	2311	Projected
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15/01/2011		
13:00:00	2167	Projected
15/01/2011		
14:00:00	2113	Projected
15/01/2011		
15:00:00	2061	Projected
15/01/2011		
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15/01/2011		
17:00:00	1956	Projected
15/01/2011		
18:00:00	1903	Projected
15/01/2011		
19:00:00	1854	Projected
15/01/2011		
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15/01/2011		
21:00:00	1753	Projected
15/01/2011		
22:00:00	1700	Projected

15/01/2011		
23:00:00	1648	Projected
16/01/2011		
00:00:00	1597	Projected
16/01/2011		
01:00:00	1547	Projected
16/01/2011		
02:00:00	1496	Projected
16/01/2011		
03:00:00	1445	Projected
16/01/2011		
04:00:00	1394	Projected
16/01/2011		
05:00:00	1342	Projected
16/01/2011		
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16/01/2011		
07:00:00	1239	Projected
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00:00:00	395	Projected
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02:00:00	300	Projected

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17/01/2011		
05:00:00	160	Projected
17/01/2011		
06:00:00	112	Projected
17/01/2011		
07:00:00	62	Projected
17/01/2011		
08:00:00	13	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

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Sitrep presentation 3am 10/1/2011

From: Ken Morris [REDACTED]
To: Chris Lavin [REDACTED]
Date: Mon, 10 Jan 2011 03:29:01 +1000

Chris
as requested
cheers
ken



SITREP

10/1/2010 3AM

Flooded Properties First Guess

Forecast Profile

VIEW Cell Profile Number **4** 



FLOOD DESCRIPTION


Forecast for 12:00:00 AM

ISSUE DATE

10/01/2011 3:00:00 AM

FLOOD COMMENT

First Guess

	Property Status	Property Count	People	Selected
	Flooded	283	644	Yes
	Partially Flooded	6890	16326	Yes

Top Partially Flooded suburbs

Suburb	Property Status	Properties	People
► HERTHAMPTON CITY	Partially Flooded	1181	2148
ST LUKAS	Partially Flooded	287	718
BROWN HILLS	Partially Flooded	225	451
ROCKEF	Partially Flooded	217	411
CHITMER	Partially Flooded	198	408
BARANA DOWN	Partially Flooded	181	367
NEW FARM	Partially Flooded	181	341
MOCKEIT	Partially Flooded	181	361
NEWFIELD	Partially Flooded	175	351
PINKNEY	Partially Flooded	172	378
HERMANT	Partially Flooded	164	428
YERONGA	Partially Flooded	163	381
HILLIMAN	Partially Flooded	162	388
ROBERT ROCKEIT	Partially Flooded	158	478
SOUTH HERMANT	Partially Flooded	154	308
MILTON	Partially Flooded	145	318
INDOCKOCKOCKEIT	Partially Flooded	143	358
LOCKWOOD	Partially Flooded	138	314
COXLEY	Partially Flooded	135	348
SHEPHERD	Partially Flooded	132	341
ALICEVILLE	Partially Flooded	121	227
ALTON	Partially Flooded	121	218
NOBLEMAN PARK	Partially Flooded	124	281
WINNICK	Partially Flooded	115	261
LESLIE HERMANT	Partially Flooded	112	211

Infrastructure (sample)

Type	Location			Status	Seq
ENERGY	ENERGEX		TEMPSON	Partially Flooded	
FUEL	BULK FUEL	MOON PIPELINE CO PTY LTD	LYTCH	Partially Flooded	
FUEL	BULK FUEL	CALTEX REFINERIES (Q.L.D.) LTD	LYTCH	Partially Flooded	
FUEL	SERVICE STATION	MR RAYMOND J BARBER & MR GEORGE YOUNG	MILTON	Partially Flooded	
FUEL	SERVICE STATION	THE C & D INVESTMENT UNIT TRUST	OXLEY	Partially Flooded	
FUEL	BULK FUEL	B.P. REFINERY (BULKWATER ISLAND) LTD	PINKENBA	Partially Flooded	
FUEL	SERVICE STATION	M & P KORGANOW PROPERTIES PTY LTD	ROCKLEA	Partially Flooded	
MEDICAL	HOSPITAL	THE CORPORATION OF THE METHODIST CHURCH OF QUEENSLAND		Partially Flooded	
MEDICAL	HOSPITAL	BETHANY CHRISTIAN CARE	GRACEVILLE	Partially Flooded	
MEDICAL	HOSPITAL	NEW FARM HOSPITALS PTY LTD	NEW FARM	Partially Flooded	
MEDICAL	HOSPITAL	DEPARTMENT OF HEALTH - STATE	WACOL	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	ANGLICAN DIOCESE OF BRISBANE DEPARTMENT OF CHURCH		Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	THE QUEENSLAND SOCIETY FOR CRIPPLED CHILDREN	QUEENSLAND	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	FOREST PLACE PTY LTD	DURACK	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	FOREST PLACE PTY LTD	DURACK	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	THE SMITH FAMILY	NEOSTEAD	Partially Flooded	

Flooded Roads (sample)

Flooded Raods sorted by depth (ascending)			Subura	Status	Sele
▶	Sydney Street		FAIRFIELD	Partially Flooded	
	Beard Street		AUCHENFLOWER	Partially Flooded	
	Dunmore Terrace		AUCHENFLOWER	Partially Flooded	
	Kingsford Street		AUCHENFLOWER	Partially Flooded	
	Barcona Road		MILTON	Partially Flooded	
	Collingwood Street		ALBION	Partially Flooded	
	Tate Street		ALBION	Partially Flooded	
	Edmondstone Road		BOWEN HILLS	Partially Flooded	
	Durcng Street		NEWSTEAD	Partially Flooded	
	Allcm Street		WINDSOR	Partially Flooded	
	Cartwright Street		WINDSOR	Partially Flooded	
	Downey Street		WINDSOR	Partially Flooded	
	Grafon Street		WINDSOR	Partially Flooded	
	Robert Lane		WINDSOR	Partially Flooded	
	Barramul Street		BULIMBA	Partially Flooded	
	Jamieson Street		BULIMBA	Partially Flooded	
	Camberwell Street		EAST BRISBANE	Partially Flooded	
	Heath Street		EAST BRISBANE	Partially Flooded	
	Lerna Street		EAST BRISBANE	Partially Flooded	
	Longlands Street		EAST BRISBANE	Partially Flooded	
	Gillan Street		NORMAN PARK	Partially Flooded	
	Norman Avenue		NORMAN PARK	Partially Flooded	
	Albion Street		WOOLLOONGABBA	Partially Flooded	
	Maynard Street		WOOLLOONGABBA	Partially Flooded	0006

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

From: Duty Engineer [REDACTED]
To: "John Ruffini (Home)" [REDACTED] David Roberts
[REDACTED] Paul Bird
[REDACTED] >, Peter Allen [REDACTED]
[REDACTED] Rohan Thorogood <[REDACTED]>
[REDACTED] Al Navaruk
[REDACTED] Bill Stephens [REDACTED] David
Pokarier [REDACTED] John West [REDACTED] Lou van
Blerk [REDACTED] Mark Tan [REDACTED] Nev Ablitt
[REDACTED]
[REDACTED] Glenn
Patterson [REDACTED] Murray Dunstan
[REDACTED] Rob Gorian <[REDACTED]>
[REDACTED] Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED], Jayam
Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Cc: Andy Bickerton [REDACTED] Deb Chandler
[REDACTED] Mailbox [REDACTED] Tony Trace
[REDACTED] Chris Lavin [REDACTED] Craig Logan
[REDACTED] Don Carroll <don.carroll@brisbane.qld.gov.au>, Evan
Caswell [REDACTED] James Charalambous
[REDACTED] Ken Morris [REDACTED]
Robert McGlinn [REDACTED] Santina Pennisi
[REDACTED]
Date: Mon, 10 Jan 2011 06:29:46 +1000

Rainfall

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

Mt Glorious recorded 100 mm in the last 12 hours.

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

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Outlook

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

John Ruffini

Duty Engineer

Flood Operations Centre

Phone:

Fax:

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Actual and Projected Wivenhoe Releases

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

Date: Mon, 10 Jan 2011 06:32:24 +1000

Wivenhoe Dam Actual and Projected Releases

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

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

03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
03/01/2011 17:00:00	50	Actual
03/01/2011 18:00:00	50	Actual
03/01/2011 19:00:00	50	Actual
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05/01/2011 06:00:00	50	Actual
05/01/2011 07:00:00	50	Actual
05/01/2011 08:00:00	50	Actual
05/01/2011 09:00:00	50	Actual

05/01/2011 10:00:00	50	Actual
05/01/2011 11:00:00	50	Actual
05/01/2011 12:00:00	50	Actual
05/01/2011 13:00:00	50	Actual
05/01/2011 14:00:00	50	Actual
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07/01/2011 01:00:00	50	Actual
07/01/2011 02:00:00	50	Actual
07/01/2011 03:00:00	50	Actual
07/01/2011 04:00:00	50	Actual

07/01/2011 05:00:00	50	Actual
07/01/2011 06:00:00	50	Actual
07/01/2011 07:00:00	50	Actual
07/01/2011 08:00:00	50	Actual
07/01/2011 09:00:00	50	Actual
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10/01/2011 18:00:00	2628	Projected

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12/01/2011 13:00:00	2662	Projected

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13/01/2011 03:00:00	2616	Projected
13/01/2011 04:00:00	2613	Projected
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15/01/2011 14:00:00	1875	Projected
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17/01/2011 06:00:00	254	Projected
17/01/2011 07:00:00	208	Projected
17/01/2011 08:00:00	160	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

From: Ken Morris
To: DM DutyOfficers; FIC-Standby-Duty-Officers; LDCC
Date: Mon, Jan 10, 2011 8:28 am
Subject: bom forecast summary

please find attached

cheers
ken



Flooded Properties First Guess

Forecast Profile

VIEW Cell Profile Number **1**

FLOOD DESCRIPTION

Forecast for 11/01/2011 2:00:00 PM

ISSUE DATE 10/01/2011 6:00:00 AM

FLOOD COMMENT

BOM Forecast depends on rainfall 10/1/2011

	Property Status	Property Count	People	Sealed
▶	Flooded	221	498	Yes
▶	Partially Flooded	6457	15286	Yes

Top flooded Suburbs

Suburb	Property Status	count	People
▶ ALBION	Flooded	30	63
AUCHENFLOWER	Flooded	22	48
PINKENBA	Flooded	21	46
NORMAN PARK	Flooded	19	46
KANGAROO POINT	Flooded	15	31
BULIMBA	Flooded	12	29
ROCKLEA	Flooded	12	28
MILTON	Flooded	12	26
SHERWOOD	Flooded	9	23
NEW FARM	Flooded	9	16
NEWSTEAD	Flooded	6	10
OXLEY	Flooded	4	10
INDOOROOPIILY	Flooded	4	10
GRACEVILLE	Flooded	4	10
WVACOL	Flooded	4	12
FORTITUDE VALLEY	Flooded	4	8
TENNYSON	Flooded	3	7
BRISBANE CITY	Flooded	3	6
BOWEN HILLS	Flooded	3	6
LYTTON	Flooded	2	5
HEMMANT	Flooded	2	5
WINDSOR	Flooded	2	4
SOUTH BRISBANE	Flooded	2	4
MURARRIE	Flooded	2	5
TENERIFFE	Flooded	1	2
YEERONGPILLY	Flooded	1	2
WOOLLOONGABBA	Flooded	1	2
WILLAWONG	Flooded	1	3

Top Partially Flooded suburbs

Suburb	Property Status	Properties	People
▶ BRISBANE CITY	Partially Flooded	1088	2140
BOWEN HILLS	Partially Flooded	228	452
PINKENBA	Partially Flooded	224	493
HEMMANT	Partially Flooded	205	533
NEW FARM	Partially Flooded	188	338
KARANA DOWNS	Partially Flooded	187	561
CHELMER	Partially Flooded	184	454
ROCKLEA	Partially Flooded	179	412
NEWSTEAD	Partially Flooded	177	354
BULIMBA	Partially Flooded	175	420
MOGGILL	Partially Flooded	172	533
FIG TREE POCKET	Partially Flooded	148	446
SOUTH BRISBANE	Partially Flooded	144	302
YERONGA	Partially Flooded	134	322
TOOWONG	Partially Flooded	128	282
SHERWOOD	Partially Flooded	126	324
ALBION	Partially Flooded	125	262
NORMAN PARK	Partially Flooded	123	295
INDOOROOPILLY	Partially Flooded	120	296
WINDSOR	Partially Flooded	117	257
OXLEY	Partially Flooded	115	296
EAST BRISBANE	Partially Flooded	106	217
KHOLO	Partially Flooded	105	318
MILTON	Partially Flooded	98	216
AUCHENFLOWER	Partially Flooded	96	211
ST LUCIA	Partially Flooded	92	221
KANGAROO POINT	Partially Flooded	88	180
CHUWAR	Partially Flooded	85	255

Infrastructure (sample)

Type	Suburb	Status
ENERGY	ENERGEX	TENNYSON
FUEL	BULK FUEL	LYTTON
FUEL	BULK FUEL	LYTTON
FUEL	SERVICE STATION	OXLEY
FUEL	BULK FUEL	PINKENBA
FUEL	SERVICE STATION	ROCKLEA
MEDICAL	HOSPITAL	CORINDA
MEDICAL	HOSPITAL	GRACEVILLE
MEDICAL	HOSPITAL	NEW FARM
MEDICAL	HOSPITAL	WACOL
NON-MEDICAL	WELFARE INSTITUTE	FOCHELNER
NON-MEDICAL	WELFARE INSTITUTE	CORINDA
NON-MEDICAL	WELFARE INSTITUTE	DURACK
NON-MEDICAL	WELFARE INSTITUTE	DURACK
NON-MEDICAL	WELFARE INSTITUTE	NEVSTEAD
NON-MEDICAL	WELFARE INSTITUTE	SPRINGHAM PARK
SEWER	PUMP STATION	ARCHERFIELD
SEWER	PUMP STATION	BELLBOMIRE
SEWER	TREATMENT PLANT	DURACK
SEWER	PUMP STATION	FIG TREE POCKET
SEWER	PUMP STATION	FIG TREE POCKET
SEWER	PUMP STATION	FIG TREE POCKET
SEWER	PUMP STATION	HEMMANT
SEWER	PUMP STATION	INDOORCOOPILLY
SEWER	PUMP STATION	INDOORCOOPILLY
SEWER	PUMP STATION	INDOORCOOPILLY
SEWER	PUMP STATION	INDOORCOOPILLY

Flooded Roads (sample)

Flooded Roads sorted by extent (ascending)	Suburb	Status
Wirrabara Road	ANSTEAD	Flooded
Cliveden Avenue	CORINDA	Flooded
Wacol Station Road	WACOL	Flooded
Ipswich Motorway	OXLEY	Flooded
Brisbane Terrace	REDBANK	Flooded
Junction Road	BARRELLAN POINT	Flooded
Old Ipswich Road	RIVERVIEW	Flooded
Layard Street	GOODNA	Flooded
Priors Pocket Road	MOGGILL	Flooded
Bridge	MOUNT CROSBY	Flooded
Noel Kelly Drive	GOODNA	Flooded
Wiluna Street	GOODNA	Flooded
Wiluna Street	WACOL	Flooded
Inner City Bypass	ALBION	Flooded
Riverside Drive	MURLEA	Flooded
Lake Manchester Road	BANKS CREEK	Flooded
Lake Manchester Road	KHOLO	Flooded
Moggill Road	MOGGILL	Flooded
Moggill Fry Road	RIVERVIEW	Flooded
Kholo Road	CHUMVAR	Flooded
Lower Stuart Street	GOODNA	Flooded
Kholo Bridge	CHUMVAR	Flooded
Kholo Bridge	KHOLO	Flooded
Kholo Bridge	PINE MOUNTAIN	Flooded
Mount Crosby Road	CHUMVAR	Flooded
Mount Crosby Road	KARANA DOWNS	Flooded

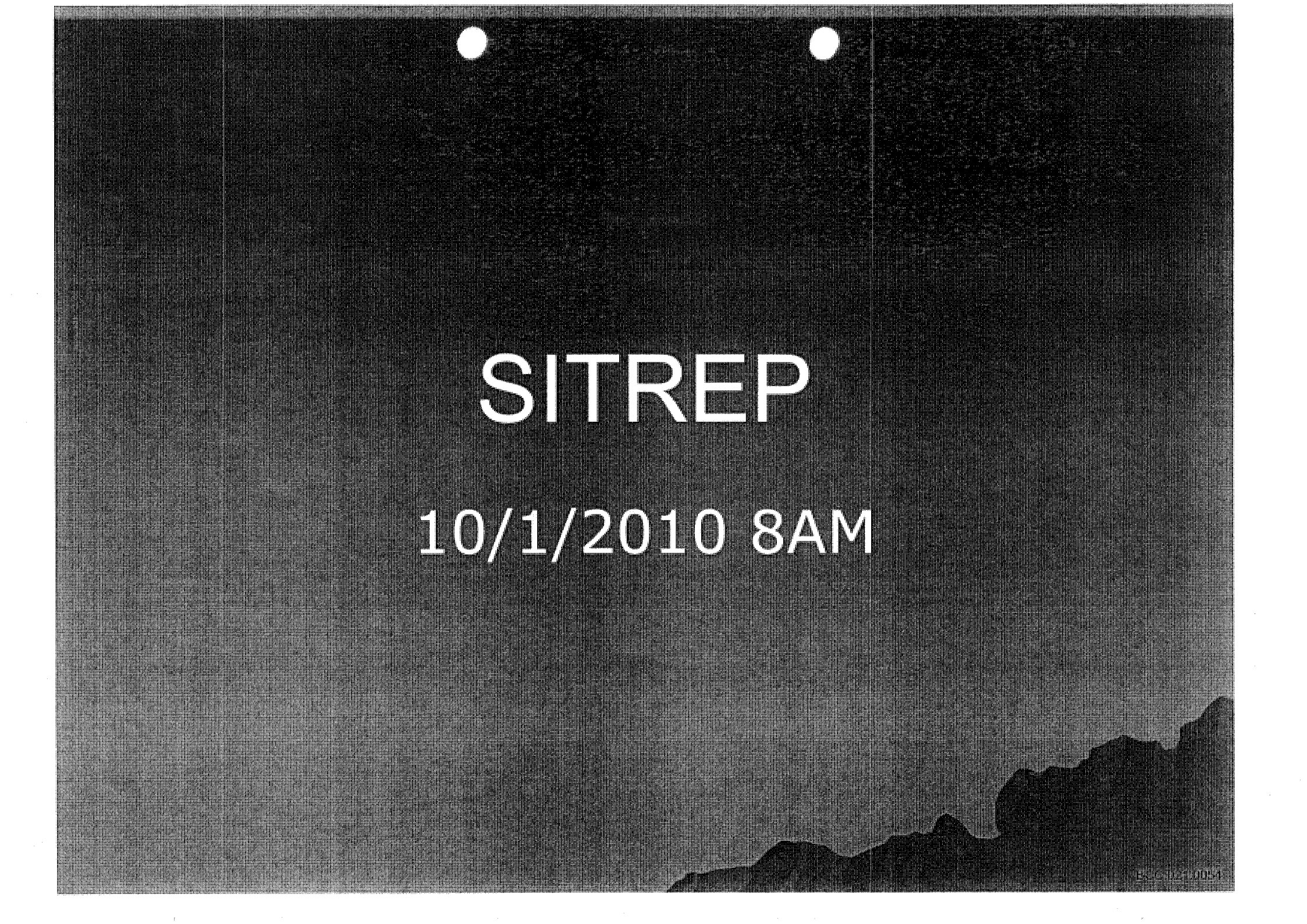
bom forecast summary

From: Ken Morris [REDACTED]
To: LDCC [REDACTED]
Date: Mon, 10 Jan 2011 08:28:39 +1000

please find attached

cheers

ken



SITREP

10/1/2010 8AM

Flooded Properties First Guess

Forecast Profile

VIEW Cell Profile Number 1

FLOOD DESCRIPTION

Forecast for 11/01/2011 2:00:00 PM

ISSUE DATE

10/01/2011 8:00:00 AM

FLOOD COMMENT

BOM Forecast depends on rainfall 10/1/2011

	Property Status	Property Count	People	Selected
▶	Flooded	221	496	Yes
	Partially Flooded	6457	15286	Yes

Top flooded Suburbs

Suburb	Property Status	Cumulative	People
ALBION	Flooded	30	83
AUCHENFLOWER	Flooded	22	48
PINKENNIA	Flooded	21	40
NORMAN PARK	Flooded	19	48
KANGAROO POINT	Flooded	15	31
DELMIDA	Flooded	13	28
ROCKFALL	Flooded	12	28
MILTON	Flooded	12	28
SLIPWOOD	Flooded	8	23
NEW FARM	Flooded	11	18
NEWSTEAD	Flooded	5	10
OXLEY	Flooded	4	10
INDOOROOPOLE	Flooded	4	10
GRACEVILLE	Flooded	4	10
WAGAN	Flooded	4	13
FORTHIDE VALLEY	Flooded	4	8
TENNYSON	Flooded	3	7
DRISDALE CITY	Flooded	3	6
BROWN HILL	Flooded	1	11
LYTON	Flooded	2	5
HEMMANT	Flooded	2	6
WINBORN	Flooded	2	4
SOUTH BRISBANE	Flooded	2	4
MURARRIE	Flooded	2	5
TENNISFIELD	Flooded	1	3
YERRONGHILL	Flooded	1	2
WIDDELLINGBARRA	Flooded	1	2
WILLAWONG	Flooded	1	2

Top Partially Flooded suburbs

Suburb	Property Status	Properties	People
▶ BRISBANE CITY	Partially Flooded	1088	2140
DOWENT HILLS	Partially Flooded	220	452
PINKENHA	Partially Flooded	224	480
HEMMAN	Partially Flooded	205	533
NEW FARM	Partially Flooded	100	300
KARANA DOWNS	Partially Flooded	107	501
CHELMER	Partially Flooded	184	454
RICKLEA	Partially Flooded	170	412
NEWSTEAD	Partially Flooded	177	351
HILLMHA	Partially Flooded	175	421
MOOGILL	Partially Flooded	172	533
FIG TREE POCKET	Partially Flooded	140	440
SOUTH BRISBANE	Partially Flooded	144	310
YERONGA	Partially Flooded	134	322
TOWAYONG	Partially Flooded	130	303
SHERWOOD	Partially Flooded	126	304
ALBION	Partially Flooded	125	282
NORMAN PARK	Partially Flooded	120	280
INDOCKINCKMILL	Partially Flooded	121	241
WINDSOR	Partially Flooded	117	257
OXLEY	Partially Flooded	110	290
EAST BRISBANE	Partially Flooded	100	217
RHODA	Partially Flooded	108	318
MILTON	Partially Flooded	98	216
ALBUQUERQUE	Partially Flooded	80	211
ST LUCIA	Partially Flooded	92	221
KANDAROO POINT	Partially Flooded	88	180
CHILWAR	Partially Flooded	80	200

Infrastructure (sample)

Type			Suburb	Status	Sel
ENERGY	ENERGEX		TENNYSON	Partially Flooded	
FUEL	BULK FUEL	MOONIE PIPELINE CO PTY LTD	LYTTON	Partially Flooded	
FUEL	BULK FUEL	CALTEX REFINERIES (QLD) LTD	LYTTON	Partially Flooded	
FUEL	SERVICE STATION	THE D & D INVESTMENT UNIT TRUST	OXLEY	Partially Flooded	
FUEL	BULK FUEL	B P REFINERY (BULWER ISLAND) LTD	PINKENBA	Partially Flooded	
FUEL	SERVICE STATION	M & P KORGANOW PROPERTIES PTY LTD	ROCKLEA	Partially Flooded	
MEDICAL	HOSPITAL	THE CORPORATION OF THE METHODIST CHURCH OF	CORINDA	Partially Flooded	
MEDICAL	HOSPITAL	BETHANY CHRISTIAN CARE	GRACEVILLE	Partially Flooded	
MEDICAL	HOSPITAL	NEW FARM HOSPITALS PTY LTD	NEW FARM	Partially Flooded	
MEDICAL	HOSPITAL	DEPARTMENT OF HEALTH - STATE	WACOL	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	ANGLICAN DIOCESE OF BRISBANE DEPARTMENT FOR	CHELMER	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	THE QUEENSLAND SOCIETY FOR CRIPPLED CHILDREN	CORINDA	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	FOREST PLACE PTY LTD	DURACK	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	FOREST PLACE PTY LTD	DURACK	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	THE SMITH FAMILY	NEWSTEAD	Partially Flooded	
NON-MEDICAL	WELFARE INSTITUTE	WESLEY CENTRAL MISSION	SINNAMON PARK	Partially Flooded	
SEWER	PUMP STATION		ARCHERFIELD	Partially Flooded	
SEWER	PUMP STATION		BELLBOWRIE	Partially Flooded	
SEWER	TREATMENT PLANT		DURACK	Partially Flooded	
SEWER	PUMP STATION		FIG TREE POCKET	Partially Flooded	
SEWER	PUMP STATION		FIG TREE POCKET	Partially Flooded	
SEWER	PUMP STATION		FIG TREE POCKET	Partially Flooded	
SEWER	PUMP STATION		HEMMANT	Partially Flooded	
SEWER	PUMP STATION		INDOOROOPILLY	Partially Flooded	
SEWER	PUMP STATION		INDOOROOPILLY	Partially Flooded	
SEWER	PUMP STATION		INDOOROOPILLY	Partially Flooded	
SEWER	PUMP STATION		INDOOROOPILLY	Partially Flooded	

Flooded Roads (sample)

Flooded Raods sorted by depth (ascending)		Suburb	Status
	Wirrabara Road	ANSTEAD	Flooded
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	Layard Street	GOODNA	Flooded
	Priors Pocket Road	MOGGILL	Flooded
	Bridge	MOUNT CROSBY	Flooded
	Noel Kelly Drive	GOODNA	Flooded
	Wiluna Street	GOODNA	Flooded
	Wiluna Street	WACOL	Flooded
	Inner City Bypass	ALEION	Flooded
	Riverside Drive	MUIRLEA	Flooded
	Lake Manchester Road	BANKS CREEK	Flooded
	Lake Manchester Road	KHGO	Flooded
	Moggill Road	MOGGILL	Flooded
	Moggill Fry Road	RIVERVIEW	Flooded
	Kholo Road	CHLWAR	Flooded
	Lower Stuart Street	GOODNA	Flooded
	Kholo Bridge	CHLWAR	Flooded
	Kholo Bridge	KHGO	Flooded
	Kholo Bridge	PINE MOUNTAIN	Flooded
	Mount Crosby Road	CHLWAR	Flooded
	Mount Crosby Road	KARANA DOWNS	Flooded

Actual and projected Wivenhoe releases

From: "Duty Engineer" [REDACTED]
To: [REDACTED] "Chris Lavin"
 [REDACTED] "Craig Logan"
 [REDACTED] "Don Carroll"
 [REDACTED] "Evan Caswell"
 [REDACTED] ">, "James Charalambous"
 [REDACTED] d.gov.au>, "Ken Morris"
 [REDACTED] "Robert McGlinn"
 [REDACTED] au>, "Santina Pennisi"
 [REDACTED] au>
Date: 10 January 2011 9:56:12 am
Subject: Actual and projected Wivenhoe releases

Wivenhoe Dam Actual and Projected Releases

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

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17/01/2011 08:00:00	159	Projected

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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

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

Rainfall

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Outlook

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

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Actual and Projected Wivenhoe Releases

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

Date: Mon, 10 Jan 2011 14:37:40 +1000

Actual and Projected Wivenhoe Releases		
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Duty Engineer

Flood Operations Centre

Phone

Fax:

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

Actual and Projected Wivenhoe Releases

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

Date: 10 January 2011 2:37:48 pm
Subject: Actual and Projected Wivenhoe Releases

Actual and Projected Wivenhoe Releases		
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12/01/2011 04:00:00	2740	Projected
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12/01/2011 06:00:00	2734	Projected
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12/01/2011 09:00:00	2726	Projected
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23/01/2011 02:00:00	13	Projected
23/01/2011 03:00:00	13	Projected
23/01/2011 04:00:00	13	Projected

Duty Engineer
Flood Operations Centre

Phone 

Fax:

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FIC Duty - Wivenhoe Dam Releases - Change to Situation

From: Flood_Information_Centre
To: FIC-Standby-Duty-Officers; LDCC
Date: 10/01/2011 2:47 pm
Subject: Wivenhoe Dam Releases - Change to Situation

+++++*
Place: Flood_Information_Centre
+++++*
Hi All,

Terry Malone from SEQ Water has contacted the FIC and informed us that the situation has changed.

Maintaining the current Wivenhoe Dam releases of 2000m³/s is not possible. SEQ Water will be ramping up to 2800m³/s by midnight tonight. Given the likely flows from Lockyer Creek and Bremer River, the lower Brisbane River reaches may experience a flow of up to 4000m³/s on early Wednesday.

The FIC will relay more information as it arrives.

Regards,
Robert McGlinn



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

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

Rainfall

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

Outlook

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:

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FIC SITREP for Monday 10 Jan 2011 for 6pm

Scattered showers have occurred in the last 24 hours giving an average of 73mm of rainfall with the highest falls of 97mm occurring in Brisbane Forest Park and 94mm in The Gap. The lowest rainfall of 40mm occurred at Moggill. In the last 6 hours an average of 3mm of rainfall has occurred with the highest 6 hour rainfall of 8mm occurring in Upper Kedron and 6mm in Brookfield. Further rainfall is expected overnight with the forecast being for rain, heavy at times and local thunder.

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

Tuesday: Rainfall with totals up to 50mm
Wednesday: Rain easing with totals up to 10mm
Thursday: No rainfall forecasted
Friday: No rainfall forecasted

The next routine BoM forecast will be issued by 9pm 10/01/2011

Current FloodWise Flooded Roads:

Bowhill Rd, Durack
Colleges Crossing, Mt Crosby
Mt Crosby Weir, Mt Crosby
Boscombe Rd, Brookfield
Marshall Rd, Rocklea

Current FloodWise Flooded Areas:

Moggill Creek, Brookfield

From: Floodwise

Tidal Flooding:

The tide is predicted to reach a peak of 1.95m (0.71m AHD) at 1:32pm at the Brisbane Bar tomorrow.

BoM have advised that due to the persistence of the oceanic anomaly along with inflows from Upper and Lower Brisbane River catchment and the current Wivenhoe Dam releases, this high tide is expected to be exceeded and reach approximately 3.34m (2.10m AHD) at the Brisbane City Gauge.

Brisbane River - Flood Flow Conditions:

Currently the Lower Brisbane River is receiving flows from the Upper Brisbane River catchment and Wivenhoe Dam releases. The Wivenhoe Dam release strategy is aiming to keep Lower Brisbane River flows below 4000m³/s if possible.

Wivenhoe Dam Release Strategy – as per SEQ Water advice:

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

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

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

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

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

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

The FIC will continue to monitor the situation.

Regards,
Jacqueline Brien

FIC Support Officer (Shift 2) – Ph: [REDACTED]

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

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

Rainfall

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

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

Outlook

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

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax:



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From: Flood_Information_Centre
To: FIC-Standby-Duty-Officers; LDCC
Date: Mon, Jan 10, 2011 8:05 pm
Subject: FIC SITREP for Monday 10 Jan 2011 for 6pm

FIC SITREP for Monday 10 Jan 2011 for 6pm Rainfall Update: Scattered showers have occurred in the last 24 hours giving an average of 73mm of rainfall with the highest falls of 97mm occurring in Brisbane Forest Park and 94mm in The Gap. The lowest rainfall of 40mm occurred at Moggill. In the last 6 hours an average of 3mm of rainfall has occurred with the highest 6 hour rainfall of 8mm occurring in Upper Kedron and 6mm in Brookfield. Further rainfall is expected overnight with the forecast being for rain, heavy at times and local thunder. Advice from BoM indicates that SE Qld can expect further rainfall over the next few days. Tuesday: Rainfall with totals up to 50mm Wednesday: Rain easing with totals up to 10mm Thursday: No rainfall forecasted Friday: No rainfall forecasted The next routine BoM forecast will be issued by 9pm 10/01/2011

Current FloodWise Flooded Roads:

Bowhill Rd, Durack
 Colleges Crossing, Mt Crosby
 Mt Crosby Weir, Mt Crosby
 Boscombe Rd, Brookfield
 Marshall Rd, Rocklea
 Moggill Creek, Brookfield

Tidal Flooding:

The tide is predicted to reach a peak of 1.95m (0.71m AHD) at 1:32pm at the Brisbane Bar tomorrow. BoM have advised that due to the persistence of the oceanic anomaly along with inflows from Upper and Lower Brisbane River catchment and the current Wivenhoe Dam releases, this high tide is expected to be exceeded and reach approximately 3.34m (2.10m AHD) at the Brisbane City Gauge.

Brisbane River - Flood Flow Conditions:

Currently the Lower Brisbane River is receiving flows from the Upper Brisbane River catchment and Wivenhoe Dam releases. The Wivenhoe Dam release strategy is aiming to keep Lower Brisbane River flows below 4000m³/s if possible.

Wivenhoe Dam Release Strategy – as per SEQ Water advice:

The dam level is 72.41m AHD and rising quickly. The rainfall experienced over the last 2 to 3 hours will result in significant further inflows into the dam and releases from the dam will need to be increased in accordance with Flood Mitigation procedures and to ensure that a fuse plug is not initiated. The initiation of a fuse plug will result in a rapid uncontrolled outflow from the dam of 2,000m³/s being added to the gate release outflow. Outflows into the Brisbane River from both Lockyer Creek and the Bremer River are also increasing. Five radial gates are currently open at the dam releasing about 2,000m³/s into the Brisbane River and this will need to be increased steadily to an outflow of 2,800m³/s over the next 9 hours (commencing at 1500). At this stage, the dam will reach about 73.8m AHD during Tuesday morning. The objective for dam operations is currently to minimise the impact of urban flooding in areas downstream of the dam and to keep river flows in the lower Brisbane River below 4,000m³/s if possible. This is significantly less than the current estimated combined pre-dam peak inflow of 12,000m³/s. If further rainfall occurs, dam releases may need to be increased further and this may result in river flows in the lower Brisbane River approaching or exceeding 5,000m³/s. The projected Wivenhoe Dam releases combined with Lockyer Creek flows and local runoff will mean that all crossings downstream of Wivenhoe (Twin Bridges, Fernvale, Savages Crossing, Burtons Bridge, Kholo Bridge, Mt Crosby Weir and Colleges Crossing) will be adversely impacted until at least Sunday 16 January in varying degrees. Water levels in the lower Brisbane River will be impacted by the combined flows of Lockyer Creek, Bremer River, local runoff and releases from Wivenhoe Dam. Heavy rainfall continues throughout South East Queensland and the situation could deteriorate rapidly over the next 24 hours. The flood operation centre will continue to monitor the situation and provide every six hours until the situation stabilizes.

The FIC will continue to monitor the situation. Regards,

Jacqueline Brien

FIC Support Officer (Shift 2) – Ph: [REDACTED]

Flood Information Centre
 Level 1 - South Tower Green Square
 505 St Paul's Terrace

FORTITUDE VALLEY QLD 4006

Telephone: [REDACTED]

Facsimile: [REDACTED]

Email: [REDACTED]

CC: Flood_Information_Centre

FOC Situation Report at 00:00 Tuesday 11 Janaury 2011

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

Rainfall

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

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Outlook

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

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

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

Rainfall

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

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

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

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

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Outlook

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

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

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

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC

5:48

02/01/2011 09:00:00	50	Actual
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08/01/2011 20:00:00	1266	Actual
08/01/2011 21:00:00	1266	Actual

08/01/2011 22:00:00	1266	Actual
08/01/2011 23:00:00	1266	Actual
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09/01/2011 15:00:00	1413	Actual
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09/01/2011 22:00:00	1445	Actual
09/01/2011 23:00:00	1453	Actual
10/01/2011 00:00:00	1463	Actual
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Duty Engineer

Flood Operations Centre

Phone



Fax: 

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

From: James Charalambous
To: Flood_Information_Centre
Date: Tuesday, 11 January 2011 7:00:25 am
Subject: Fwd: FOC Situation Report at 06:00 on Tuesday 11 January 2011

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+=====+
Place: Flood_Information_Centre
+=====+
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>>> "Duty Engineer" <[REDACTED]> 11/01/2011 6:12:26 am >>>
Rainfall

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

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

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

North Pine Dam (Full Supply Level 39.60 m AHD)

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

Somerset Dam (Full Supply Level 99.00 m AHD)

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

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

Wivenhoe Dam (Full Supply Level 67.00 m AHD)

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

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

Five radial gates are currently open at the dam releasing about 2,750m³/s into the Brisbane River. At this

stage, the dam will reach just over 74.0m AHD during Tuesday evening.

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

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

Impacts downstream of Wivenhoe Dam

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

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

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

Outlook

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

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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

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

From: James Charalambous
To: Flood_Information_Centre
Date: 11 January 2011 7:00:38 am
Subject: Fwd: Wivenhoe Dam Projected Releases at 06:00 on Tuesday 11 January 2011

+=*
 Place: Flood_Information_Centre
 +=*

>>> "Duty Engineer" <dutyseq@uqconnect.net> 11/01/2011 6:14:26 am >>>

Wivenhoe Dam Actual and Projected Releases

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10/01/2011 13:00:00	2074	Actual
10/01/2011 14:00:00	2085	Actual
10/01/2011 15:00:00	2094	Actual
10/01/2011 16:00:00	2160	Actual
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10/01/2011 18:00:00	2403	Actual
10/01/2011 19:00:00	2523	Actual
10/01/2011 20:00:00	2702	Actual
10/01/2011 21:00:00	2709	Actual
10/01/2011 22:00:00	2716	Actual
10/01/2011 23:00:00	2722	Actual
11/01/2011 00:00:00	2728	Actual
11/01/2011 01:00:00	2734	Actual
11/01/2011 02:00:00	2739	Actual
11/01/2011 03:00:00	2743	Actual
11/01/2011 04:00:00	2748	Actual
11/01/2011 05:00:00	2751	Actual
11/01/2011 06:00:00	2754	Projected
11/01/2011 07:00:00	2757	Projected
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11/01/2011 12:00:00	2763	Projected
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11/01/2011 15:00:00	2771	Projected

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11/01/2011 17:00:00	2778	Projected
11/01/2011 18:00:00	2782	Projected
11/01/2011 19:00:00	2785	Projected
11/01/2011 20:00:00	2788	Projected
11/01/2011 21:00:00	2791	Projected
11/01/2011 22:00:00	2793	Projected
11/01/2011 23:00:00	2795	Projected
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12/01/2011 09:00:00	2796	Projected
12/01/2011 10:00:00	2794	Projected
12/01/2011 11:00:00	2792	Projected
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13/01/2011 15:00:00	3214	Projected

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13/01/2011 20:00:00	3177	Projected
13/01/2011 21:00:00	3169	Projected
13/01/2011 22:00:00	3161	Projected
13/01/2011 23:00:00	3154	Projected
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14/01/2011 23:00:00	2997	Projected
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15/01/2011 19:00:00	2869	Projected
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15/01/2011 22:00:00	2848	Projected
15/01/2011 23:00:00	2840	Projected
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16/01/2011 02:00:00	2815	Projected
16/01/2011 03:00:00	2805	Projected
16/01/2011 04:00:00	2795	Projected
16/01/2011 05:00:00	2785	Projected
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17/01/2011 08:00:00	1237	Projected

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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- Actual and Projected Wivenhoe Releases

From: "Duty Engineer" [REDACTED]
To: [REDACTED] "Chris Lavin"
 [REDACTED] Craig Logan"
 [REDACTED] "Don Carroll"
 [REDACTED] Evan Caswell"
 [REDACTED] "James Charalambous"
 [REDACTED] "Ken Morris"
 [REDACTED] Robert McGlinn"
 [REDACTED] "Santina Pennisi"
Date: 11 January 2011 8:10:41 am
Subject: Actual and Projected Wivenhoe Releases

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

Actual and Projected Wivenhoe Releases		
Source: Seqwater	11/01/2011 8:06	
02/01/2011 09:00:00	50	Actual
02/01/2011 10:00:00	50	Actual
02/01/2011 11:00:00	50	Actual
02/01/2011 12:00:00	50	Actual
02/01/2011 13:00:00	50	Actual
02/01/2011 14:00:00	50	Actual
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03/01/2011 09:00:00	50	Actual
03/01/2011 10:00:00	50	Actual
03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual

03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual
03/01/2011 15:00:00	50	Actual
03/01/2011 16:00:00	50	Actual
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05/01/2011 10:00:00	50	Actual
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05/01/2011 13:00:00	50	Actual

05/01/2011 14:00:00	50	Actual
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05/01/2011 17:00:00	50	Actual
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07/01/2011 18:00:00	219	Actual
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08/01/2011 03:00:00	685	Actual
08/01/2011 04:00:00	738	Actual
08/01/2011 05:00:00	791	Actual
08/01/2011 06:00:00	845	Actual
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08/01/2011 08:00:00	947	Actual
08/01/2011 09:00:00	1000	Actual
08/01/2011 10:00:00	1053	Actual
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09/01/2011 13:00:00	1400	Actual
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09/01/2011 15:00:00	1403	Actual
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09/01/2011 19:00:00	1424	Actual
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13/01/2011 03:00:00	3609	Projected
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13/01/2011 10:00:00	3552	Projected
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13/01/2011 13:00:00	3531	Projected
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13/01/2011 15:00:00	3515	Projected
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Duty Engineer
Flood Operations Centre

Phone 

Fax: 

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

Actual and Projected Wivenhoe Releases

From: Duty Engineer [REDACTED]
 To: [REDACTED] Ken Morris [REDACTED] Craig Logan
 [REDACTED] Don Carroll [REDACTED] Santina
 Pennisi [REDACTED] Chris Lavin
 [REDACTED] Evan Caswell [REDACTED] James
 Charalambous [REDACTED] Robert McGlenn
 [REDACTED]
 Date: Tue, 11 Jan 2011 11:38:27 +1000

Actual and Projected Wivenhoe Releases		
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11/01/2011 14:00:00	3992	Projected
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11/01/2011 22:00:00	4045	Projected
11/01/2011 23:00:00	4050	Projected
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22/01/2011 23:00:00	388	Projected
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23/01/2011 02:00:00	378	Projected
23/01/2011 03:00:00	375	Projected
23/01/2011 04:00:00	371	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

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

Date: Tuesday, 11 January 2011 1:31:48 pm

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

Actual and Projected Wivenhoe Releases		
Source: Seqwater	11/01/2011 13:28	
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02/01/2011 23:00:00	50	Actual
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03/01/2011 11:00:00	50	Actual
03/01/2011 12:00:00	50	Actual
03/01/2011 13:00:00	50	Actual
03/01/2011 14:00:00	50	Actual

03/01/2011 15:00:00	50	Actual
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07/01/2011 23:00:00	474	Actual
08/01/2011 00:00:00	527	Actual
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08/01/2011 03:00:00	688	Actual
08/01/2011 04:00:00	742	Actual
08/01/2011 05:00:00	796	Actual
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08/01/2011 23:00:00	1270	Actual
09/01/2011 00:00:00	1269	Actual
09/01/2011 01:00:00	1268	Actual
09/01/2011 02:00:00	1314	Actual
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09/01/2011 04:00:00	1313	Actual
09/01/2011 05:00:00	1364	Actual
09/01/2011 06:00:00	1363	Actual
09/01/2011 07:00:00	1363	Actual
09/01/2011 08:00:00	1362	Actual
09/01/2011 09:00:00	1361	Actual
09/01/2011 10:00:00	1361	Actual
09/01/2011 11:00:00	1361	Actual
09/01/2011 12:00:00	1414	Actual
09/01/2011 13:00:00	1415	Actual
09/01/2011 14:00:00	1417	Actual
09/01/2011 15:00:00	1420	Actual
09/01/2011 16:00:00	1424	Actual

09/01/2011 17:00:00	1429	Actual
09/01/2011 18:00:00	1435	Actual
09/01/2011 19:00:00	1442	Actual
09/01/2011 20:00:00	1449	Actual
09/01/2011 21:00:00	1458	Actual
09/01/2011 22:00:00	1468	Actual
09/01/2011 23:00:00	1477	Actual
10/01/2011 00:00:00	1488	Actual
10/01/2011 01:00:00	1499	Actual
10/01/2011 02:00:00	1565	Actual
10/01/2011 03:00:00	1631	Actual
10/01/2011 04:00:00	1698	Actual
10/01/2011 05:00:00	1764	Actual
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10/01/2011 08:00:00	1966	Actual
10/01/2011 09:00:00	2035	Actual
10/01/2011 10:00:00	2047	Actual
10/01/2011 11:00:00	2058	Actual
10/01/2011 12:00:00	2069	Actual
10/01/2011 13:00:00	2081	Actual
10/01/2011 14:00:00	2093	Actual
10/01/2011 15:00:00	2104	Actual
10/01/2011 16:00:00	2171	Actual
10/01/2011 17:00:00	2292	Actual
10/01/2011 18:00:00	2418	Actual
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10/01/2011 23:00:00	2741	Actual
11/01/2011 00:00:00	2747	Actual
11/01/2011 01:00:00	2752	Actual
11/01/2011 02:00:00	2757	Actual
11/01/2011 03:00:00	2761	Actual
11/01/2011 04:00:00	2764	Actual
11/01/2011 05:00:00	2768	Actual
11/01/2011 06:00:00	2772	Actual
11/01/2011 07:00:00	2777	Actual
11/01/2011 08:00:00	2784	Actual
11/01/2011 09:00:00	3067	Actual
11/01/2011 10:00:00	3243	Actual
11/01/2011 11:00:00	3419	Actual
11/01/2011 12:00:00	3821	Actual
11/01/2011 13:00:00	3996	Actual
11/01/2011 14:00:00	4228	Projected
11/01/2011 15:00:00	4519	Projected
11/01/2011 16:00:00	4527	Projected
11/01/2011 17:00:00	4823	Projected

11/01/2011 18:00:00	5415	Projected
11/01/2011 19:00:00	6029	Projected
11/01/2011 20:00:00	6670	Projected
11/01/2011 21:00:00	6673	Projected
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11/01/2011 23:00:00	6675	Projected
12/01/2011 00:00:00	6675	Projected
12/01/2011 01:00:00	6672	Projected
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12/01/2011 03:00:00	6664	Projected
12/01/2011 04:00:00	6657	Projected
12/01/2011 05:00:00	6648	Projected
12/01/2011 06:00:00	6638	Projected
12/01/2011 07:00:00	6627	Projected
12/01/2011 08:00:00	6613	Projected
12/01/2011 09:00:00	6599	Projected
12/01/2011 10:00:00	6583	Projected
12/01/2011 11:00:00	6565	Projected
12/01/2011 12:00:00	6546	Projected
12/01/2011 13:00:00	6526	Projected
12/01/2011 14:00:00	6505	Projected
12/01/2011 15:00:00	6483	Projected
12/01/2011 16:00:00	6460	Projected
12/01/2011 17:00:00	6435	Projected
12/01/2011 18:00:00	6410	Projected
12/01/2011 19:00:00	6383	Projected
12/01/2011 20:00:00	6356	Projected
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12/01/2011 23:00:00	6269	Projected
13/01/2011 00:00:00	6239	Projected
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13/01/2011 02:00:00	6177	Projected
13/01/2011 03:00:00	6145	Projected
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13/01/2011 05:00:00	6080	Projected
13/01/2011 06:00:00	6046	Projected
13/01/2011 07:00:00	6013	Projected
13/01/2011 08:00:00	5978	Projected
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13/01/2011 11:00:00	5873	Projected
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15/01/2011 06:00:00	3451	Projected
15/01/2011 07:00:00	3387	Projected
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15/01/2011 16:00:00	2855	Projected
15/01/2011 17:00:00	2801	Projected
15/01/2011 18:00:00	2748	Projected

15/01/2011 19:00:00	2697	Projected
15/01/2011 20:00:00	2646	Projected
15/01/2011 21:00:00	2596	Projected
15/01/2011 22:00:00	2547	Projected
15/01/2011 23:00:00	2499	Projected
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16/01/2011 13:00:00	1919	Projected
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17/01/2011 06:00:00	1494	Projected
17/01/2011 07:00:00	1476	Projected
17/01/2011 08:00:00	1459	Projected
17/01/2011 09:00:00	1442	Projected
17/01/2011 10:00:00	1424	Projected
17/01/2011 11:00:00	1407	Projected
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17/01/2011 16:00:00	1323	Projected
17/01/2011 17:00:00	1307	Projected
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17/01/2011 19:00:00	1274	Projected

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17/01/2011 21:00:00	1243	Projected
17/01/2011 22:00:00	1227	Projected
17/01/2011 23:00:00	1211	Projected
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18/01/2011 04:00:00	1136	Projected
18/01/2011 05:00:00	1121	Projected
18/01/2011 06:00:00	1106	Projected
18/01/2011 07:00:00	1092	Projected
18/01/2011 08:00:00	1077	Projected
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18/01/2011 10:00:00	1049	Projected
18/01/2011 11:00:00	1035	Projected
18/01/2011 12:00:00	1022	Projected
18/01/2011 13:00:00	1008	Projected
18/01/2011 14:00:00	994	Projected
18/01/2011 15:00:00	981	Projected
18/01/2011 16:00:00	968	Projected
18/01/2011 17:00:00	955	Projected
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18/01/2011 20:00:00	916	Projected
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18/01/2011 22:00:00	891	Projected
18/01/2011 23:00:00	879	Projected
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19/01/2011 01:00:00	855	Projected
19/01/2011 02:00:00	843	Projected
19/01/2011 03:00:00	831	Projected
19/01/2011 04:00:00	819	Projected
19/01/2011 05:00:00	808	Projected
19/01/2011 06:00:00	797	Projected
19/01/2011 07:00:00	785	Projected
19/01/2011 08:00:00	774	Projected
19/01/2011 09:00:00	763	Projected
19/01/2011 10:00:00	753	Projected
19/01/2011 11:00:00	742	Projected
19/01/2011 12:00:00	731	Projected
19/01/2011 13:00:00	721	Projected
19/01/2011 14:00:00	710	Projected
19/01/2011 15:00:00	700	Projected
19/01/2011 16:00:00	690	Projected
19/01/2011 17:00:00	680	Projected
19/01/2011 18:00:00	671	Projected
19/01/2011 19:00:00	661	Projected

19/01/2011 20:00:00	651	Projected
19/01/2011 21:00:00	642	Projected
19/01/2011 22:00:00	633	Projected
19/01/2011 23:00:00	623	Projected
20/01/2011 00:00:00	614	Projected
20/01/2011 01:00:00	605	Projected
20/01/2011 02:00:00	596	Projected
20/01/2011 03:00:00	588	Projected
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20/01/2011 05:00:00	571	Projected
20/01/2011 06:00:00	562	Projected
20/01/2011 07:00:00	554	Projected
20/01/2011 08:00:00	546	Projected
20/01/2011 09:00:00	538	Projected
20/01/2011 10:00:00	530	Projected
20/01/2011 11:00:00	522	Projected
20/01/2011 12:00:00	514	Projected
20/01/2011 13:00:00	507	Projected
20/01/2011 14:00:00	499	Projected
20/01/2011 15:00:00	492	Projected
20/01/2011 16:00:00	484	Projected
20/01/2011 17:00:00	477	Projected
20/01/2011 18:00:00	470	Projected
20/01/2011 19:00:00	463	Projected
20/01/2011 20:00:00	456	Projected
20/01/2011 21:00:00	449	Projected
20/01/2011 22:00:00	442	Projected
20/01/2011 23:00:00	436	Projected
21/01/2011 00:00:00	429	Projected
21/01/2011 01:00:00	423	Projected
21/01/2011 02:00:00	417	Projected
21/01/2011 03:00:00	410	Projected
21/01/2011 04:00:00	404	Projected
21/01/2011 05:00:00	398	Projected
21/01/2011 06:00:00	392	Projected
21/01/2011 07:00:00	386	Projected
21/01/2011 08:00:00	380	Projected
21/01/2011 09:00:00	375	Projected
21/01/2011 10:00:00	369	Projected
21/01/2011 11:00:00	363	Projected
21/01/2011 12:00:00	358	Projected
21/01/2011 13:00:00	353	Projected
21/01/2011 14:00:00	347	Projected
21/01/2011 15:00:00	342	Projected
21/01/2011 16:00:00	337	Projected
21/01/2011 17:00:00	332	Projected
21/01/2011 18:00:00	327	Projected
21/01/2011 19:00:00	322	Projected
21/01/2011 20:00:00	317	Projected

21/01/2011 21:00:00	312	Projected
21/01/2011 22:00:00	307	Projected
21/01/2011 23:00:00	303	Projected
22/01/2011 00:00:00	298	Projected
22/01/2011 01:00:00	294	Projected
22/01/2011 02:00:00	289	Projected
22/01/2011 03:00:00	285	Projected
22/01/2011 04:00:00	281	Projected
22/01/2011 05:00:00	276	Projected
22/01/2011 06:00:00	272	Projected
22/01/2011 07:00:00	268	Projected
22/01/2011 08:00:00	264	Projected
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22/01/2011 11:00:00	252	Projected
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22/01/2011 18:00:00	227	Projected
22/01/2011 19:00:00	223	Projected
22/01/2011 20:00:00	220	Projected
22/01/2011 21:00:00	217	Projected
22/01/2011 22:00:00	214	Projected
22/01/2011 23:00:00	210	Projected
23/01/2011 00:00:00	207	Projected
23/01/2011 01:00:00	204	Projected
23/01/2011 02:00:00	201	Projected
23/01/2011 03:00:00	198	Projected
23/01/2011 04:00:00	195	Projected

Duty Engineer
Flood Operations Centre

Phone 

Fax: 

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Flood_Information_Centre - Wivenhoe ALERT level

From: "Duty Engineer" [REDACTED]
To: [REDACTED]
[REDACTED] "Chris Lavin" [REDACTED]
[REDACTED] "Craig Logan" [REDACTED] "Don Carroll"
[REDACTED] Evan Caswell"
[REDACTED], "Flood Information Centre"
[REDACTED] "James Charalambous"
[REDACTED] "Ken Morris"
[REDACTED] "Robert McGlinn"
[REDACTED] "Santina Pennisi"
Date: Tuesday, 11 January 2011 2:26:09 pm
Subject: Wivenhoe ALERT level

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

Terry Malone

Duty Engineer
Flood Operations Centre

Phone [REDACTED]

Fax: [REDACTED]

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2020年12月15日

BCC.002.7557

505 St Paul's Terrace
FORTITUDE VALLEY QLD 4006

Telephone: [REDACTED]

Facsimile: [REDACTED]

Email: [REDACTED]

Flood Information Centre - Wivenhoe Actual and Projected Releases

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

Date: Tuesday, 11 January 2011 4:51:50 pm
Subject: Wivenhoe Actual and Projected Releases

Note that without further rain

Will be reviewed at 1800 11/01/2011

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC 11/01/2011 16:49

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

03:00:00	50	Actual
03/01/2011		
04:00:00	50	Actual
03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
10:00:00	50	Actual
03/01/2011		
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17:00:00	50	Actual
03/01/2011		
18:00:00	50	Actual
03/01/2011		
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20:00:00	50	Actual
03/01/2011		
21:00:00	50	Actual
03/01/2011		
22:00:00	50	Actual
03/01/2011		
23:00:00	50	Actual
04/01/2011		
00:00:00	50	Actual
04/01/2011		
01:00:00	50	Actual
04/01/2011		
02:00:00	50	Actual
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04/01/2011		
06:00:00	50	Actual
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07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual

04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
14:00:00	50	Actual
04/01/2011		
15:00:00	50	Actual
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16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
22:00:00	50	Actual
04/01/2011		
23:00:00	50	Actual
05/01/2011		
00:00:00	50	Actual
05/01/2011		
01:00:00	50	Actual
05/01/2011		
02:00:00	50	Actual
05/01/2011		
03:00:00	50	Actual
05/01/2011		
04:00:00	50	Actual
05/01/2011		
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Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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Please direct all enquiries to the message author.

Flood Information Centre - Situation Report 1800 12 January 2011

From: "Duty Engineer" [REDACTED]
To: "David Roberts" [REDACTED]
 [REDACTED] "Paul Bird" [REDACTED] "Peter Allen"
 [REDACTED] "Roban Thorogood"
 [REDACTED] "Tony Jacobs (private)" [REDACTED]
 [REDACTED] "Doug Grigg" [REDACTED]
 [REDACTED] "Graham Francis" [REDACTED]
 "Jayam Tennakoon" [REDACTED] "Matthew O'Reilly"
 [REDACTED] "Tony Trace" [REDACTED] "Chris
 Lavin" [REDACTED] "Craig Logan"
 [REDACTED] "Don Carroll"
 [REDACTED] Evan Caswell"
 [REDACTED] "Flood Information Centre"
 [REDACTED] "James Charalambous"
 [REDACTED] "Ken Morris"
 [REDACTED] "Robert McGlinn"
 [REDACTED] "Santina Pennisi"
 [REDACTED] "Al Navaruk" [REDACTED]
 "Bill Stephens" [REDACTED] "David Pokarier"
 [REDACTED] "John West" [REDACTED] "Lou van
 Blerk" [REDACTED] "Mark Tan" [REDACTED] "Nev
 Ablitt" [REDACTED]
 [REDACTED]
 [REDACTED] "Rob Gorian" [REDACTED]
Date: Tuesday, 11 January 2011 5:59:46 pm
Subject: Situation Report 1800 12 January 2011

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

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

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

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

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

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

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

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

Terry Malone

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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

Flood_Information_Centre - Actual and Projected Wivenhoe Releases

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

Date: Tuesday, 11 January 2011 6:07:03 pm
Subject: Actual and Projected Wivenhoe Releases

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC

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Duty Engineer
Flood Operations Centre

Phone 

Fax: 

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

Flood Information Centre - Actual and Projected Wivenhoe Releases

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

Date: Tuesday, 11 January 2011 9:10:46 pm
Subject: Actual and Projected Wivenhoe Releases

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

Hopefully there will be no more significant rain

Wivenhoe Dam Actual and Projected Releases

11/01/2011

Source: Seqwater FOC

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08:00:00	740	Projected

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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

Actual and Projected Wivenhoe Releases (Updated)

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

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

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

Wivenhoe Dam Actual and Projected Releases 11/01/2011

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08:00:00	809	Projected

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

Actual and Projected Wivenhoe Releases (Updated)

From: Duty Engineer [REDACTED]
To: [REDACTED] Ken Morris [REDACTED] Craig Logan
[REDACTED] Don Carroll [REDACTED] Santana
Pennisi [REDACTED] Chris Lavin
[REDACTED] Evan Caswell [REDACTED] James
Charalambous [REDACTED] Robert McGlenn
[REDACTED]
Date: Wed, 12 Jan 2011 03:48:18 +1000

Wivenhoe Dam Actual and Projected Releases 12/01/2011

Source: Seqwater FOC 3:43

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07/01/2011 22:00:00	421	Actual
07/01/2011 23:00:00	475	Actual
08/01/2011 00:00:00	529	Actual
08/01/2011 01:00:00	582	Actual
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08/01/2011 05:00:00	798	Actual
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17/01/2011 08:00:00	3037	Projected

Duty Engineer

Flood Operations Centre

Phone



Fax: 

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Flood_Information_Centre - Situation Report 0600 Wed 12/01/2011

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

Date: Wednesday, 12 January 2011 5:49:10 am
Subject: Situation Report 0600 Wed 12/01/2011

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

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

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

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

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

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

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

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

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone

Fax:

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Flood Information Centre - Actual and Projected Wivenhoe Releases

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

Date: Wednesday, 12 January 2011 5:53:40 am
Subject: Actual and Projected Wivenhoe Releases

Wivenhoe Dam Actual and Projected Releases

Source: Seqwater FOC 12/01/2011 5:51

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08/01/2011 15:00:00	1275	Actual
08/01/2011 16:00:00	1276	Actual
08/01/2011 17:00:00	1276	Actual
08/01/2011 18:00:00	1276	Actual
08/01/2011 19:00:00	1276	Actual
08/01/2011 20:00:00	1277	Actual
08/01/2011 21:00:00	1277	Actual
08/01/2011 22:00:00	1276	Actual
08/01/2011 23:00:00	1276	Actual
09/01/2011 00:00:00	1276	Actual
09/01/2011 01:00:00	1276	Actual
09/01/2011 02:00:00	1322	Actual
09/01/2011 03:00:00	1322	Actual
09/01/2011 04:00:00	1321	Actual
09/01/2011 05:00:00	1373	Actual
09/01/2011 06:00:00	1373	Actual
09/01/2011 07:00:00	1372	Actual
09/01/2011 08:00:00	1371	Actual
09/01/2011 09:00:00	1371	Actual
09/01/2011 10:00:00	1370	Actual
09/01/2011 11:00:00	1371	Actual
09/01/2011 12:00:00	1424	Actual
09/01/2011 13:00:00	1424	Actual
09/01/2011 14:00:00	1425	Actual
09/01/2011 15:00:00	1427	Actual
09/01/2011 16:00:00	1430	Actual
09/01/2011 17:00:00	1433	Actual

09/01/2011 18:00:00	1437	Actual
09/01/2011 19:00:00	1442	Actual
09/01/2011 20:00:00	1447	Actual
09/01/2011 21:00:00	1454	Actual
09/01/2011 22:00:00	1461	Actual
09/01/2011 23:00:00	1470	Actual
10/01/2011 00:00:00	1480	Actual
10/01/2011 01:00:00	1491	Actual
10/01/2011 02:00:00	1558	Actual
10/01/2011 03:00:00	1625	Actual
10/01/2011 04:00:00	1693	Actual
10/01/2011 05:00:00	1763	Actual
10/01/2011 06:00:00	1832	Actual
10/01/2011 07:00:00	1901	Actual
10/01/2011 08:00:00	1971	Actual
10/01/2011 09:00:00	2042	Actual
10/01/2011 10:00:00	2055	Actual
10/01/2011 11:00:00	2067	Actual
10/01/2011 12:00:00	2079	Actual
10/01/2011 13:00:00	2092	Actual
10/01/2011 14:00:00	2102	Actual
10/01/2011 15:00:00	2112	Actual
10/01/2011 16:00:00	2178	Actual
10/01/2011 17:00:00	2299	Actual
10/01/2011 18:00:00	2424	Actual
10/01/2011 19:00:00	2545	Actual
10/01/2011 20:00:00	2725	Actual
10/01/2011 21:00:00	2732	Actual
10/01/2011 22:00:00	2739	Actual
10/01/2011 23:00:00	2745	Actual
11/01/2011 00:00:00	2751	Actual
11/01/2011 01:00:00	2757	Actual
11/01/2011 02:00:00	2762	Actual
11/01/2011 03:00:00	2766	Actual
11/01/2011 04:00:00	2770	Actual
11/01/2011 05:00:00	2775	Actual
11/01/2011 06:00:00	2781	Actual
11/01/2011 07:00:00	2786	Actual
11/01/2011 08:00:00	2792	Actual
11/01/2011 09:00:00	3017	Actual
11/01/2011 10:00:00	3369	Actual
11/01/2011 11:00:00	3548	Actual
11/01/2011 12:00:00	3671	Actual
11/01/2011 13:00:00	4250	Actual
11/01/2011 14:00:00	4547	Actual
11/01/2011 15:00:00	5140	Actual
11/01/2011 16:00:00	5751	Actual
11/01/2011 17:00:00	6388	Actual
11/01/2011 18:00:00	6723	Actual

11/01/2011 19:00:00	7411	Actual
11/01/2011 20:00:00	7414	Actual
11/01/2011 21:00:00	7416	Actual
11/01/2011 22:00:00	7071	Actual
11/01/2011 23:00:00	7071	Actual
12/01/2011 00:00:00	6091	Actual
12/01/2011 01:00:00	6093	Actual
12/01/2011 02:00:00	5479	Actual
12/01/2011 03:00:00	5481	Actual
12/01/2011 04:00:00	4888	Actual
12/01/2011 05:00:00	4309	Actual
12/01/2011 06:00:00	3733	Projected
12/01/2011 07:00:00	3735	Projected
12/01/2011 08:00:00	3153	Projected
12/01/2011 09:00:00	3155	Projected
12/01/2011 10:00:00	2556	Projected
12/01/2011 11:00:00	2558	Projected
12/01/2011 12:00:00	2560	Projected
12/01/2011 13:00:00	2562	Projected
12/01/2011 14:00:00	2563	Projected
12/01/2011 15:00:00	2564	Projected
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12/01/2011 17:00:00	2565	Projected
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12/01/2011 22:00:00	2566	Projected
12/01/2011 23:00:00	2565	Projected
13/01/2011 00:00:00	2565	Projected
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13/01/2011 02:00:00	2563	Projected
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13/01/2011 04:00:00	2621	Projected
13/01/2011 05:00:00	2620	Projected
13/01/2011 06:00:00	2679	Projected
13/01/2011 07:00:00	2677	Projected
13/01/2011 08:00:00	2737	Projected
13/01/2011 09:00:00	2735	Projected
13/01/2011 10:00:00	2794	Projected
13/01/2011 11:00:00	2792	Projected
13/01/2011 12:00:00	2849	Projected
13/01/2011 13:00:00	2847	Projected
13/01/2011 14:00:00	2904	Projected
13/01/2011 15:00:00	2901	Projected
13/01/2011 16:00:00	3016	Projected
13/01/2011 17:00:00	3012	Projected
13/01/2011 18:00:00	3126	Projected
13/01/2011 19:00:00	3122	Projected

13/01/2011 20:00:00	3176	Projected
13/01/2011 21:00:00	3171	Projected
13/01/2011 22:00:00	3282	Projected
13/01/2011 23:00:00	3277	Projected
14/01/2011 00:00:00	3387	Projected
14/01/2011 01:00:00	3382	Projected
14/01/2011 02:00:00	3434	Projected
14/01/2011 03:00:00	3429	Projected
14/01/2011 04:00:00	3538	Projected
14/01/2011 05:00:00	3534	Projected
14/01/2011 06:00:00	3642	Projected
14/01/2011 07:00:00	3637	Projected
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14/01/2011 13:00:00	3603	Projected
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14/01/2011 17:00:00	3578	Projected
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14/01/2011 22:00:00	3545	Projected
14/01/2011 23:00:00	3538	Projected
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15/01/2011 01:00:00	3524	Projected
15/01/2011 02:00:00	3517	Projected
15/01/2011 03:00:00	3510	Projected
15/01/2011 04:00:00	3503	Projected
15/01/2011 05:00:00	3496	Projected
15/01/2011 06:00:00	3489	Projected
15/01/2011 07:00:00	3481	Projected
15/01/2011 08:00:00	3474	Projected
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15/01/2011 10:00:00	3459	Projected
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15/01/2011 12:00:00	3443	Projected
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15/01/2011 17:00:00	3404	Projected
15/01/2011 18:00:00	3396	Projected
15/01/2011 19:00:00	3388	Projected

15/01/2011 20:00:00	3380	Projected
15/01/2011 21:00:00	3372	Projected
15/01/2011 22:00:00	3363	Projected
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16/01/2011 00:00:00	3347	Projected
16/01/2011 01:00:00	3339	Projected
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16/01/2011 03:00:00	3322	Projected
16/01/2011 04:00:00	3313	Projected
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16/01/2011 06:00:00	3296	Projected
16/01/2011 07:00:00	3288	Projected
16/01/2011 08:00:00	3279	Projected
16/01/2011 09:00:00	3271	Projected
16/01/2011 10:00:00	3262	Projected
16/01/2011 11:00:00	3253	Projected
16/01/2011 12:00:00	3245	Projected
16/01/2011 13:00:00	3236	Projected
16/01/2011 14:00:00	3227	Projected
16/01/2011 15:00:00	3218	Projected
16/01/2011 16:00:00	3210	Projected
16/01/2011 17:00:00	3201	Projected
16/01/2011 18:00:00	3192	Projected
16/01/2011 19:00:00	3183	Projected
16/01/2011 20:00:00	3174	Projected
16/01/2011 21:00:00	3165	Projected
16/01/2011 22:00:00	3156	Projected
16/01/2011 23:00:00	3147	Projected
17/01/2011 00:00:00	3137	Projected
17/01/2011 01:00:00	3127	Projected
17/01/2011 02:00:00	3117	Projected
17/01/2011 03:00:00	3107	Projected
17/01/2011 04:00:00	3096	Projected
17/01/2011 05:00:00	3085	Projected
17/01/2011 06:00:00	3073	Projected
17/01/2011 07:00:00	3061	Projected
17/01/2011 08:00:00	3050	Projected

Duty Engineer
Flood Operations Centre

Phone 

Fax: 

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**Flood_Information_Centre - RE: Situation Report 0800 Wed
12/01/2011**

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

Date: 12 January 2011 7:57:12 am
Subject: RE: Situation Report 0800 Wed 12/01/2011

Rainfall

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

Somerset/Wivenhoe

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

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

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

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

North Pine

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

Strategy

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

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

Regards

Terry Malone

Duty Engineer
Flood Operations Centre

Phone

Fax:

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Flood_Information_Centre - Fwd: Situation Report 0600 Wed 12/01/2011

From: Ken Morris
To: Flood_Information_Centre
Date: 12 January 2011 10:43:12 am
Subject: Fwd: Situation Report 0600 Wed 12/01/2011

+ = *

Place: Flood_Information_Centre

+ = *

Ken Morris
Principal Engineer, Water & Environment



>>> "Duty Engineer" [REDACTED] 12 January 2011 5:49 am >>>

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

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

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

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

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

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

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

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

Regards

Rob Ayre

Duty Engineer
Flood Operations Centre

Phone: [REDACTED]

Fax: 

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Situation Report 1500 Wed 12/01/2011

From:
To:

Cc:

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

Rainfall

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

Somerset/Wivenhoe

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

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

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

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

North Pine

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

Strategy

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

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

Regards

Terry Malone

Duty Engineer

Flood Operations Centre

Phone: 

Fax: 

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From: Flood_Information_Centre
To: Davidge, Ellen; FIC-Standby-Duty-Officers;
[REDACTED]
Date: Wed, Jan 12, 2011 5:14 pm
Subject: Re: LDCC Request: FIC Roster until 2am Tuesday morning - Attn: Ellen

Ellen,

A little to early to provide info. We will be reviewing the roster tomorrow following the peak. Ken has asked the question of LDCC whether we will be ramping back after that. They were going to discuss with the CEO. Nevertheless we will have a 24 hr presence (however, with maybe less staff) until we are told this is not required.

Presently, the FIC Controller roster is
8am to 4pm Santina Pennisi
4pm to 12am Evan Caswell
12pm to 8am James Charalambous

Evan Caswell
FIC Controller

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

>>> Flood_Information_Centre 12/01/2011 16:39:13 >>>
Att FIC Administrator

The LDCC Administrator has requested the FIC roster until the Monday 5pm to 2am shift

Thanks
Ellen Davidge

Wivenhoe Dam Projected Releases - 1800 at Wednesday 12 January 2011

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

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

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

Wivenhoe Dam Actual and Projected Releases 12/01/2011 Source: Seqwater FOC 18:04

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

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

04/01/2011		
04:00:00	50	Actual
04/01/2011		
05:00:00	50	Actual
04/01/2011		
06:00:00	50	Actual
04/01/2011		
07:00:00	50	Actual
04/01/2011		
08:00:00	50	Actual
04/01/2011		
09:00:00	50	Actual
04/01/2011		
10:00:00	50	Actual
04/01/2011		
11:00:00	50	Actual
04/01/2011		
12:00:00	50	Actual
04/01/2011		
13:00:00	50	Actual
04/01/2011		
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15:00:00	50	Actual
04/01/2011		
16:00:00	50	Actual
04/01/2011		
17:00:00	50	Actual
04/01/2011		
18:00:00	50	Actual
04/01/2011		
19:00:00	50	Actual
04/01/2011		
20:00:00	50	Actual
04/01/2011		
21:00:00	50	Actual
04/01/2011		
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Duty Engineer

Flood Operations Centre

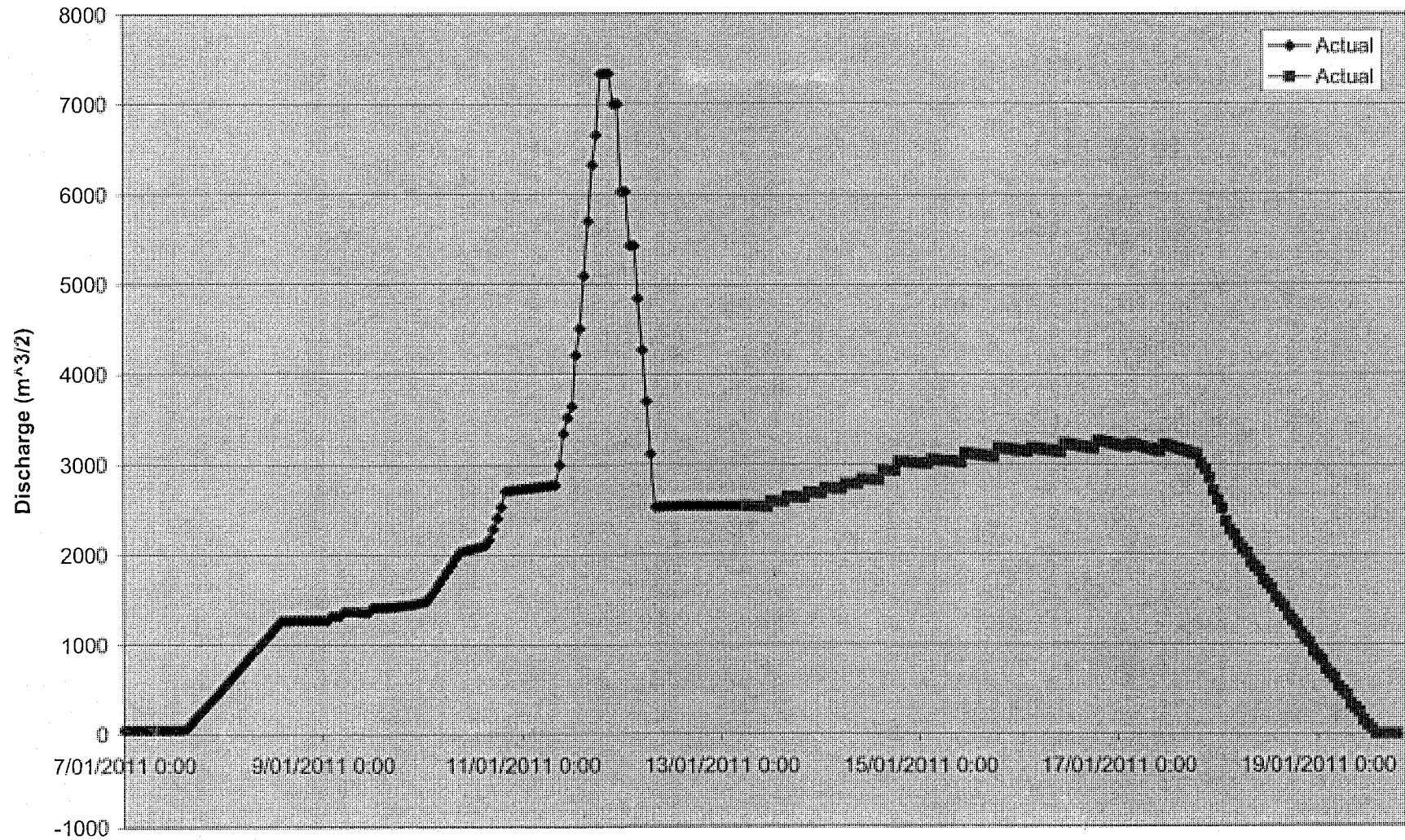
Phone

Fax:

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

Wivenhoe Dam Actual and Projected Releases as @ 20:00 12/01/11



Wivenhoe Dam Projected Releases - 20:00 at Wednesday 12 January 2011

From: Duty Engineer [REDACTED]
 To: [REDACTED] Ken Morris [REDACTED] Craig Logan
 [REDACTED] Don Carroll <[REDACTED]> Santina
 Pennisi [REDACTED] Chris Lavin
 [REDACTED] Evan Caswell [REDACTED] James
 Charalambous [REDACTED] Robert McGlenn
 [REDACTED]
 Date: Wed, 12 Jan 2011 20:15:09 +1000

Wivenhoe Dam Actual and Projected Releases

12/01/2011

Source: Seqwater FOC 20:10

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John Ruffini

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

FOC Situation Report 0600 13 January 2011

From: Duty Engineer [REDACTED]
To: [REDACTED] Peter Allen
[REDACTED] "Arminda Roberts (private)" [REDACTED]
"Paul Bird (Private)" [REDACTED] "Rob D (Private)" [REDACTED]
[REDACTED] Tony Jacobs (private)" [REDACTED]
[REDACTED] Doug Grigg
> [REDACTED] David Roberts [REDACTED] Graham Francis
[REDACTED] Glenn Patterson
[REDACTED] Jayam Tennakoon [REDACTED]
[REDACTED] John West [REDACTED] Lou van Blerk
[REDACTED] Murray Dunstan [REDACTED]
[REDACTED] Matthew O'Reilly
[REDACTED] Mark Tan [REDACTED] Nev Ablitt
> [REDACTED] Paul Bird [REDACTED]
[REDACTED] Rob Gorian [REDACTED] Rohan Thorogood [REDACTED] >
[REDACTED] Al Navaruk [REDACTED] Bill Stephens
[REDACTED] David Pokarier [REDACTED]
Cc: Ken Morris [REDACTED] Craig Logan
[REDACTED] Don Carroll [REDACTED] , Santina
Pennisi [REDACTED] Chris Lavin
[REDACTED] Evan Caswell [REDACTED] , James
Charalambous [REDACTED] Robert McGlinn
[REDACTED] Tony
Trace [REDACTED] Andy Bickerton [REDACTED] Deb
Chandler [REDACTED]
Date: Thu, 13 Jan 2011 05:45:03 +1000

Rainfall

Rainfall in the last 12 hours is generally below 5mm with isolated falls of up to 15mm in the Stanley, Lockyer and Pine River catchments. There is no significant rain expected for the next 4 days.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 06:00 on Wednesday 12 January 2011. The current level is 104.34 mAHD. One sluice was opened at 10:30 on 12 January 2011 and the dam is currently discharging 1,130 m3/s. Sluice gates will be utilised to drain of the flood storage compartment during the next 5 days.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. Wivenhoe Dam was 74.72 m AHD at 06:00 and commence to fall slowly.

The releases from Wivenhoe Dam have been temporarily reduced to 2,500 m³/s at 07:30 on Wednesday 12 January 2011 to allow the peak of Lockyer Creek to enter the Brisbane River. The Brisbane River has peaked at the Port Office Gauge early Thursday morning. Releases from Wivenhoe Dam will be managed to achieve a target flow of around 3,500 m³/s at Moggill. This release will then be maintained to drain the flood storage component within the required 7 days.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 06:00 North Pine Dam was 39.70 mAHD falling with all gates open 1 increment, releasing about 80 m³/s. North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with peak release of 2,800 m³/s. The event has a volume of around 200,000 ML. It is expected that all gates will be closed on Friday.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and reviewing operating strategy. The FOC will continue to maintain close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Thursday 13 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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

Flood_Information_Centre - Comms Restored

From: "Duty Engineer" [REDACTED]
To: [REDACTED] "Flood Information Centre"
[REDACTED], "Doug Grigg"
[REDACTED] "Graham Francis"
"Jayam Tennakoon" [REDACTED], "Matthew O'Reilly"
[REDACTED], "Glenn Patterson"
[REDACTED] "Murray Dunstan"
[REDACTED] "Rob Gorian" [REDACTED]
Date: Thursday, 13 January 2011 11:13:30 am
Subject: Comms Restored

Comms has been restored in the FOC

Terry Malone

Duty Engineer
Flood Operations Centre

Phone [REDACTED]

Fax: [REDACTED]

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

Flood_Information_Centre - Actual and Projected Wivenhoe Releases

From: "Duty Engineer" [REDACTED]
To: [REDACTED] "Flood Information Centre"
Date: 13 January 2011 2:31:59 pm
Subject: Actual and Projected Wivenhoe Releases

Wivenhoe Dam Actual and Projected Releases

13/01/2011

Source: Seqwater FOC

14:31

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17/01/2011		
17:00:00	2802	Projected
17/01/2011		
18:00:00	2662	Projected
17/01/2011		
19:00:00	2565	Projected
17/01/2011		
20:00:00	2469	Projected
17/01/2011		
21:00:00	2330	Projected
17/01/2011		
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23:00:00	2182	Projected
18/01/2011		
00:00:00	2085	Projected
18/01/2011		
01:00:00	2033	Projected
18/01/2011		
02:00:00	1983	Projected
18/01/2011		
03:00:00	1887	Projected
18/01/2011		
04:00:00	1835	Projected
18/01/2011		
05:00:00	1787	Projected
18/01/2011		
06:00:00	1694	Projected

18/01/2011		
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18/01/2011		
08:00:00	1591	Projected
18/01/2011		
09:00:00	1497	Projected
18/01/2011		
10:00:00	1447	Projected
18/01/2011		
11:00:00	1398	Projected
18/01/2011		
12:00:00	1300	Projected
18/01/2011		
13:00:00	1249	Projected
18/01/2011		
14:00:00	1199	Projected
18/01/2011		
15:00:00	1108	Projected
18/01/2011		
16:00:00	1059	Projected
18/01/2011		
17:00:00	1008	Projected
18/01/2011		
18:00:00	910	Projected
18/01/2011		
19:00:00	862	Projected
18/01/2011		
20:00:00	811	Projected
18/01/2011		
21:00:00	713	Projected
18/01/2011		
22:00:00	664	Projected
18/01/2011		
23:00:00	614	Projected
19/01/2011		
00:00:00	516	Projected
19/01/2011		
01:00:00	467	Projected
19/01/2011		
02:00:00	424	Projected
19/01/2011		
03:00:00	326	Projected
19/01/2011		
04:00:00	283	Projected
19/01/2011		
05:00:00	238	Projected
19/01/2011		
06:00:00	145	Projected
19/01/2011		
07:00:00	97	Projected
19/01/2011		
08:00:00	49	Projected
19/01/2011		
09:00:00	0	Projected
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10:00:00	0	Projected
19/01/2011		
11:00:00	0	Projected
19/01/2011		
12:00:00	0	Projected
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13:00:00	0	Projected
19/01/2011		
14:00:00	0	Projected
19/01/2011		

15:00:00	0	Projected
19/01/2011		
16:00:00	0	Projected
19/01/2011		
17:00:00	0	Projected
19/01/2011		
18:00:00	0	Projected
19/01/2011		
19:00:00	0	Projected

Duty Engineer
Flood Operations Centre

Phone: 

Fax: 

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FOC Situation Report at 06:00 on Friday 14 Janaury 2011

From: Duty Engineer [REDACTED]
To: "Arminda Roberts (private)" [REDACTED] David Roberts [REDACTED] Paul Bird [REDACTED]
[REDACTED] u>, "Paul Bird (Private)" [REDACTED] Peter Allen [REDACTED]
[REDACTED] "Rob D (Private)" [REDACTED]
[REDACTED] Rohan Thorogood [REDACTED]
[REDACTED] "Tony Jacobs (private)" [REDACTED]
[REDACTED] Andy Bickerton [REDACTED] Deb [REDACTED]
Chandler [REDACTED], Mailbox [REDACTED], Tony [REDACTED]
Trace [REDACTED] Chris Lavin [REDACTED] Craig [REDACTED]
Logan [REDACTED] Don Carroll [REDACTED]
Evan Caswell [REDACTED] Flood Information Centre [REDACTED]
[REDACTED] James Charalambous [REDACTED]
[REDACTED] Ken Morris [REDACTED]
Robert McGlinn [REDACTED] Santina Pennisi [REDACTED]
[REDACTED] Al Navaruk [REDACTED] Bill Stephens [REDACTED]
[REDACTED] David Pokarier [REDACTED] John [REDACTED]
West [REDACTED] Lou van Blerk [REDACTED] Mark Tan [REDACTED]
[REDACTED] Nev Ablitt [REDACTED]
[REDACTED] Glenn Patterson [REDACTED]
[REDACTED] Murray Dunstan [REDACTED]
[REDACTED] Rob Gorian [REDACTED]
[REDACTED] Doug Grigg [REDACTED]
[REDACTED] Graham Francis [REDACTED] Jayam [REDACTED]
Tennakoon [REDACTED] Matthew O'Reilly [REDACTED]
Date: Fri, 14 Jan 2011 05:35:20 +1000

Rainfall

There has been no significant rainfall in the last 12 hours and falls of only 5mm is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. The current level is 102.87 mAHD and falling. Four sluices are open and the dam is currently discharging about 1,300 m3/s.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. At 05:00 Wivenhoe Dam was 74.74.08 mAHD and continuing to fall.

The releases from Wivenhoe Dam are currently about 3,500 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release will then be maintained to drain the flood storage component by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. The current level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

Fish recovery has commenced and MBRC have been advised that the gates have been closed. MBRC will inspect Youngs Crossing to determine if the crossing can be re-opened.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments. The FOC will continue to maintain close contact with warning agencies and local councils

The next report will be issued at 18:00 on Friday 14 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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FOC Situation Report at 06:00 on Friday 14 January 2011

From: Duty Engineer <[REDACTED]>
To: "Arminda Roberts (private)" <[REDACTED]> David Roberts
[REDACTED] Paul Bird
[REDACTED] "Paul Bird (Private)" <[REDACTED]> Peter Allen
[REDACTED] "Rob D (Private)" <[REDACTED]>
[REDACTED] Rohan Thorogood <[REDACTED]>
[REDACTED] "Tony Jacobs (private)" <[REDACTED]>
[REDACTED] Andy Bickerton <[REDACTED]> Deb
Chandler <[REDACTED]> Mailbox <[REDACTED]> Tony
Trace <[REDACTED]> Chris Lavin <[REDACTED]> Craig
Logan <[REDACTED]> Don Carroll <[REDACTED]>
Evan Caswell <[REDACTED]> Flood Information Centre
[REDACTED] James Charalambous
[REDACTED] Ken Morris <[REDACTED]>
Robert McGlinn <[REDACTED]> Santina Pennisi
[REDACTED]
[REDACTED] Al Navaruk <[REDACTED]> Bill Stephens
[REDACTED] David Pokarier <[REDACTED]> John
West <[REDACTED]> Lou van Blerk <[REDACTED]> Mark Tan
[REDACTED] Nev Ablitt <[REDACTED]>
[REDACTED]
[REDACTED] Glenn Patterson
[REDACTED] au, Murray Dunstan
[REDACTED] Rob Gorian <[REDACTED]>
[REDACTED] Doug Grigg <[REDACTED]>
[REDACTED] Graham Francis <[REDACTED]> Jayam
Tennakoon <[REDACTED]> Matthew O'Reilly <[REDACTED]>
Date: Fri, 14 Jan 2011 05:45:17 +1000

Rainfall

There has been no significant rainfall in the last 12 hours and falls of only 5mm is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011. The current level is 102.87 mAHD and falling. Four sluices are open and the dam is currently discharging about 1,300 m³/s.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. At 05:00 Wivenhoe Dam was 74.08 mAHD and continuing to fall.

The releases from Wivenhoe Dam are currently about 3,500 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release will then be maintained to drain the flood storage component by Wednesday.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. The current level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

Fish recovery has commenced and MBRC have been advised that the gates have been closed. MBRC will inspect Youngs Crossing to determine if the crossing can be re-opened.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments. The FOC will continue to maintain close contact with warning agencies and local councils

The next report will be issued at 18:00 on Friday 14 January 2011.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:



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Situation Report 0630 Saturday 15 January 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Date: Sat, 15 Jan 2011 06:35:32 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 101.35 mAHD and falling. Four sluices are open and the dam is currently discharging about 920 m³/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 05:00 Wivenhoe Dam was 72.86 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,500 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. This level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

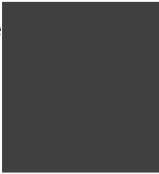
The next report will be issued at 18:00 on Saturday 15 January 2011.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone:



Fax:

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Flood_Information_Centre - FWD: FOC : Situation Report 0630 Saturday 15 January 2011

From: Santina Pennisi
To: Flood_Information_Centre
Date: 15 January 2011 8:43:31 am
Subject: FWD: FOC : Situation Report 0630 Saturday 15 January 2011

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=====
Place: Flood_Information_Centre
=====

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>>> "Duty Engineer" [REDACTED] 15/01/2011 6:35:32 am >>>
Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 101.35 mAHD and falling. Four sluices are open and the dam is currently discharging about 920 m3/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 05:00 Wivenhoe Dam was 72.86 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,500 m3/s and are being managed to achieve a target flow of around 3,500 m3/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 05:00 North Pine Dam was 39.40 mAHD and gate operations have ceased. This level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Saturday 15 January 2011.

Terry Malone
Duty Engineer
Flood Operations Centre

Phone:

Fax: 

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Please direct all enquiries to the message author.

Situation Report 0600 Sunday 16 January 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Date: Sun, 16 Jan 2011 06:09:18 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 06:00 Somerset Dam was 100.01 mAHD and falling. Four sluices are open and the dam is currently discharging about 820 m³/s. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Wivenhoe Dam was 71.3 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 3,477 m³/s and are being managed to achieve a target flow of around 3,500 m³/s at Moggill. This release level is being maintained to drain the flood storage component by Wednesday.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

North Pine

At 06:00 North Pine Dam was 39.46 mAHD. All gates are closed. The lake level is expected to increase to just over 39.5 mAHD in the next few days due to base-flow. This could be higher if further rainfall occurs.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils.

The next report will be issued at 18:00 on Sunday 16 January 2011.

John Ruffini

Duty Engineer

Flood Operations Centre

Phone



Fax:

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From: "Duty Engineer"
To:

Date: Mon, Jan 17, 2011 4:55 pm
Subject: Situation Report 1700 Monday 16 January 2011

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 7:00 17/01/2011 and one regulator was opened the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 16:00 Wivenhoe Dam was 68.66 mAHD and continuing to fall. The releases from Wivenhoe Dam are currently about 2946 m³/s. Releases will be steadily

reduced before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the automatic recorder currently being reported on the BoM website is currently incorrect and has been since early Tuesday 11 2011.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy. The bridges below Wivenhoe Dam will progressively come out of water over the next few days.

John Ruffini

Duty Engineer

Flood Operations Centre

Phone Fax: 

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Flood_Information_Centre - Wivenhoe Recession and Coronation Drive

From: "Duty Engineer" [REDACTED]
To: "Chris Lavin" [REDACTED] "Craig Logan"
[REDACTED] "Don Carroll"
[REDACTED] Evan Caswell"
[REDACTED] "Flood Information Centre"
[REDACTED] "James Charalambous"
[REDACTED] "Ken Morris"
[REDACTED] "Robert McGlinn"
[REDACTED] "Santina Pennisi"
Date: Tuesday, 18 January 2011 1:13:23 am
Subject: Wivenhoe Recession and Coronation Drive

Ken Morris contacted the FOC to enquire about slowing the Wivenhoe recession due to concerns about slumping at Coronation Drive.

I note on the ABC web site that the Lord Mayor has said that this is no longer a concern.

Can you please advise?

Terry Malone
Duty Engineer
Flood Operations Centre

Phone: [REDACTED]

Fax: [REDACTED]

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Please direct all enquiries to the message author.

Situation Report 0615 Tuesday 18 Janaury 2011

From:

To:

Date: Tue, 18 Jan 2011 06:17:12 +1000

Rainfall

There has been no significant rainfall in the last 24 hours and no significant rainfall is expected in the next twenty-four hours. Mostly fine conditions are expected over the weekend, but showers will return early next week.

Somerset/Wivenhoe

At 16:00 Monday Somerset Dam was 99.02 mAHD and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHD at 18:00 on Wednesday 12 January 2011.

At 06:00 Tuesday Wivenhoe Dam was 67.82 mAHD and continuing to fall slowly. Releases were held constant overnight at about 2,050 m³/s to assist water supply pumping at Lowood. Following discussions with water supply operators, it has been decided to resume closing gates at 09:00 Tuesday before final closure on Thursday morning. The Dam will be near full supply and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.5 mAHD. All gates are closed. No further gate operations are expected unless additional rainfall falls.

North Pine peaked at 41.11 mAHD at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

At 05:00, the Wivenhoe Dam operator reported that the Fernvale Bridge was out of water but water remained over the approaches from Fernvale. He also advised that there were power lines on the bridge and that Energex was advised.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax

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Please direct all enquiries to the message author.

Flood Information Centre - Actual and predicted Release - Wivenhoe Dam at 13:00 on Tuesday 18 January 2011

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

Date: Tuesday, 18 January 2011 1:29:47 pm

Subject: Actual and predicted Release - Wivenhoe Dam at 13:00 on Tuesday 18 January 2011

Wivenhoe Dam Actual and Projected Releases

18/01/2011

Source: Seqwater FOC

13:28

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

03/01/2011		
05:00:00	50	Actual
03/01/2011		
06:00:00	50	Actual
03/01/2011		
07:00:00	50	Actual
03/01/2011		
08:00:00	50	Actual
03/01/2011		
09:00:00	50	Actual
03/01/2011		
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03/01/2011		
11:00:00	50	Actual
03/01/2011		
12:00:00	50	Actual
03/01/2011		
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00:00:00	312	Projected
20/01/2011		
01:00:00	271	Projected
20/01/2011		
02:00:00	228	Projected
20/01/2011		
03:00:00	228	Projected
20/01/2011		
04:00:00	184	Projected
20/01/2011		
05:00:00	139	Projected
20/01/2011		
06:00:00	139	Projected
20/01/2011		
07:00:00	93	Projected
20/01/2011		
08:00:00	47	Projected
20/01/2011		
09:00:00	47	Projected

Duty Engineer
Flood Operations Centre

Phone

Fax;

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FOC Situation Report at 18:00 on Tuesday 18 January 2011

From: Duty Engineer <[REDACTED]>
To: "Arminda Roberts (private)" <[REDACTED]> David Roberts
[REDACTED] Paul Bird
[REDACTED] "Paul Bird (Private)" <[REDACTED]> Peter Allen
[REDACTED] "Rob D (Private)" <[REDACTED]>
[REDACTED] Rohan Thorogood <[REDACTED]>
[REDACTED] "Tony Jacobs (private)" <[REDACTED]> Al
Navaruk <[REDACTED]> Bill Stephens <[REDACTED]>
David Pokarier <[REDACTED]> John West <[REDACTED]>
Lou van Blerk <[REDACTED]> Mark Tan <[REDACTED]> Nev Ablitt
[REDACTED]
[REDACTED] Glenn
Patterson <[REDACTED]> Murray Dunstan
[REDACTED] Rob Gorian <[REDACTED]>
[REDACTED] Doug Grigg <[REDACTED]>
[REDACTED] Graham Francis <[REDACTED]> Jayam
Tennakoon <[REDACTED]> Matthew O'Reilly <[REDACTED]>
Cc: Andy Bickerton <[REDACTED]> Deb Chandler <[REDACTED]>
[REDACTED] Mailbox <[REDACTED]> Chris Lavin
[REDACTED] Craig Logan <[REDACTED]> Don
Carroll <[REDACTED]> Evan Caswell
[REDACTED] Flood Information Centre
[REDACTED] James Charalambous
[REDACTED] Ken Morris <[REDACTED]>
Robert McGlinn <[REDACTED]> Santina Pennisi
[REDACTED] Tony Trace <[REDACTED]>
Date: Tue, 18 Jan 2011 17:39:57 +1000

Rainfall

Severe thunderstorms are passing over Wivenhoe, Somerset and North Pine Dams this afternoon. To 17:00 falls of 20 to 30 mm were recorded at isolated locations including Mt Pechey and Kluvers Lookout.

A severe thunderstorm warning remains in place for the Stanley River Valley near Kilcoy.

Somerset/Wivenhoe

At 16:00 Tuesday Somerset Dam was 98.95 mAHd and steady. The last sluice gate was closed at 07:00 17/01/2011 and one regulator remains open managing the base-flow into the Dam. Somerset Dam peaked at 105.11 mAHd at 18:00 on Wednesday 12 January 2011.

At 16:00 Tuesday Wivenhoe Dam was 66.31 mAHd and continuing to fall slowly. Releases were held constant since 15:00 at about 1,450 m³/s to assist water supply pumping at Lowood. The shutdown sequence is scheduled to re-commence at 03:00 on Wednesday 19 January 2011 morning before final closure on Thursday morning. The Dam will be lowered to 66.5 mAHd (95% capacity) and releases will be made through the regulator to account for ongoing base-flow.

Wivenhoe Dam peaked at 74.97 mAHd at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s.

The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

North Pine

At 09:00 North Pine Dam was 39.56 mAHd and rising slowly. All gates are closed. No further gate operations are expected unless additional rainfall falls. This situation will be closely monitored whilst storms remain in the vicinity.

North Pine peaked at 41.11 mAHd at 14:00 on Tuesday 11 January 2011 with a peak release of 2,800 m³/s. The flood event volume is estimated to be around 200,000 ML.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy.

The remaining bridges below Wivenhoe Dam will progressively come out of water over the next few days.

Regards

Rob Ayre

Duty Engineer

Flood Operations Centre

Phone

Fax:

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FOC Situation Report at 06:00 on Wednesday 19 January 2011

From: Duty Engineer <[REDACTED]>

To: [REDACTED]

Cc: [REDACTED]

Date: Wed, 19 Jan 2011 05:27:42 +1000

Rainfall

Severe thunderstorms passed over the Wivenhoe, Somerset and North Pine dam catchments yesterday afternoon and evening. Falls of 20mm to 30mm were recorded at isolated locations.

North Pine

A decision was made at 1900 yesterday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from yesterday's storms and ensure that Youngs Crossing remains open during the day

today. All gates were closed at 0500 today and a fish recovery operation also commenced at this time. Youngs Crossing will be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The current lake level is 39.42m AHD.

Somerset Dam

All regulators were closed at 2000 yesterday. The dam level is currently 98.95m AHD and rising slowly. Further regulator releases will take place today and again over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 mAHd at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

The Lowood temporary pump station was relocated at 2100 yesterday. This relocation removed the need to continue high flow releases from the dam to ensure treated water supplies to Lowood are maintained. Discussions with BCC last night also concluded that tidal variations are primarily back to normal patterns and having a greater impact on the foundation conditions of Coronation Drive than the tapering of releases from the dam. Accordingly the radial gate close down sequence recommenced at 21:45 last night and all gates will be closed by 1600 today. The dam level when the last gate is closed will be around 66.90m AHD and a fish recovery operation will continue through most of the day during the close down sequence. Releases will continue through the regulator cone valve and possibly the Mini-Hydro (depending on when it can be re-started) to account for ongoing base-flow once all radial gates are closed.

Wivenhoe Dam peaked at 74.97 mAHd at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres. It should be noted that the Seqwater water level gauge currently being reported on the BoM website is currently slightly under reading by about 50mm.

Strategy

The Flood Operations Centre is continuing to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments and is maintaining close contact with warning agencies and local councils. Councils have been informed of the current release strategy. A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- * Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
- * Water should be clear of Burtons Bridge, Kholo Bridge and Savages Crossing tonight.
- * Water should be clear of Colleges Crossing tomorrow.
- * It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later today. The earliest that Twin Bridges would be clear of water is late this afternoon.

John Tibaldi

Duty Engineer

Flood Operations Centre

Phone

Fax:

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Situation Report 1345 Wednesday 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Date: Wed, 19 Jan 2011 13:45:16 +1000

Rainfall

No significant rainfall has been recorded in Wivenhoe, Somerset and North Pine dam catchments since 0900 Thursday. The forecast rainfall indicates that falls between 15 to 25mm with isolated heavier falls to 50mm are expected in the next 24 hours.

North Pine

A decision was made at 1900 Wednesday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from Wednesday's storms and ensure that Youngs Crossing remains open during the day Thursday. All gates were closed at 0500 Thursday and a fish recovery operation also commenced at

this time. Youngs Crossing was expected to be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The lake level was 39.43m AHD at 0700.

Somerset Dam

All regulators were closed at 2000 Wednesday. The dam level was 99.00 m AHD at 0700 Thursday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 m AHD at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

All gates were closed at Wivenhoe at 1200 Thursday, with the dam level at 66.89m AHD at 1300. Following fish recovery and inspections, minor ongoing releases will be made for through the centre gate to account for ongoing small inflows. It is intended to drain down to 95%, approximately 66.5 m AHD.

Wivenhoe Dam peaked at 74.97 m AHD at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

Strategy

A summary of the bridge status along the Brisbane River between Wivenhoe Dam and Moggill is as follows, with the exact timing of water coming clear of bridges depending on how the radial gate close down sequence progresses during the day:

- * Water is clear of Fernvale Bridge and Mt Crosby Weir Bridge.
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- * Water should be clear of Colleges Crossing tomorrow.
- * It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Thursday.

The Flood Operations Centre is now closed and control of the dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone

Fax

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Recall: Situation Report 1345 Wednesday 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Date: Wed, 19 Jan 2011 13:50:52 +1000

Duty Engineer would like to recall the message, "Situation Report 1345 Wednesday 2011".

Situation Report 1400 Wednesday 19 January 2011

From: Duty Engineer [REDACTED]

To: [REDACTED]

Date: Wed, 19 Jan 2011 13:57:01 +1000

Rainfall

No significant rainfall has been recorded in Wivenhoe, Somerset and North Pine dam catchments since 0900 Wednesday. The forecast rainfall indicates that falls between 15 to 25mm with isolated heavier falls to 50mm are expected in the next 24 hours.

North Pine

A decision was made at 1900 Tuesday to drain the dam down to 39.40m AHD overnight to cater for the inflow resulting from Tuesday's storms and ensure that Youngs Crossing remains open during the day Wednesday. All gates were closed at 0500 Wednesday and a fish recovery operation also commenced

at this time. Youngs Crossing was expected to be reopened by the MBRC at around 0700. The dam level will rise slowly during the day and further releases may be required again tonight with more rainfall forecast. The lake level was 39.43m AHD at 0700.

Somerset Dam

All regulators were closed at 2000 Tuesday. The dam level was 99.00 m AHD at 0700 Wednesday and rising slowly. Further regulator releases may take place over the next few days to maintain the dam at the full supply level. Somerset Dam peaked at 105.11 mAH at 18:00 on Wednesday 12 January 2011; all sluice gates were closed on Monday 17 January 2011.

Wivenhoe Dam

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Wivenhoe Dam peaked at 74.97 mAH at 19:00 on Tuesday 11 January 2011 with a corresponding discharge of 7,450 m³/s. The combined flood event volume in Somerset and Wivenhoe Dams is estimated to be in excess of 2.6 million megalitres.

Strategy

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- * It is not yet certain when water will be clear of Twin Bridges as this will depend on base flow draining requirements and a decision will be made on this later Thursday.

The Flood Operations Centre is now closed and control of the dams has reverted to normal Seqwater operations. However, the FOC will continue to monitor rainfalls and water levels throughout the Brisbane and Pine River catchments.

Terry Malone

Duty Engineer

Flood Operations Centre

Phone



Fax:

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Flood_Information_Centre - Floodplain Storage Attn James C

From: "Duty Engineer" [REDACTED]
To: "Chris Lavin" [REDACTED] "Craig Logan" [REDACTED] "Don Carroll"
[REDACTED] "Evan Caswell" [REDACTED] "Flood Information Centre"
[REDACTED] "James Charalambous" [REDACTED] "Ken Morris"
[REDACTED] "Robert McGlinn" [REDACTED] "Santina Pennisi"
Date: Wednesday, 19 January 2011 3:57:40 pm
Subject: Floodplain Storage Attn James C

James

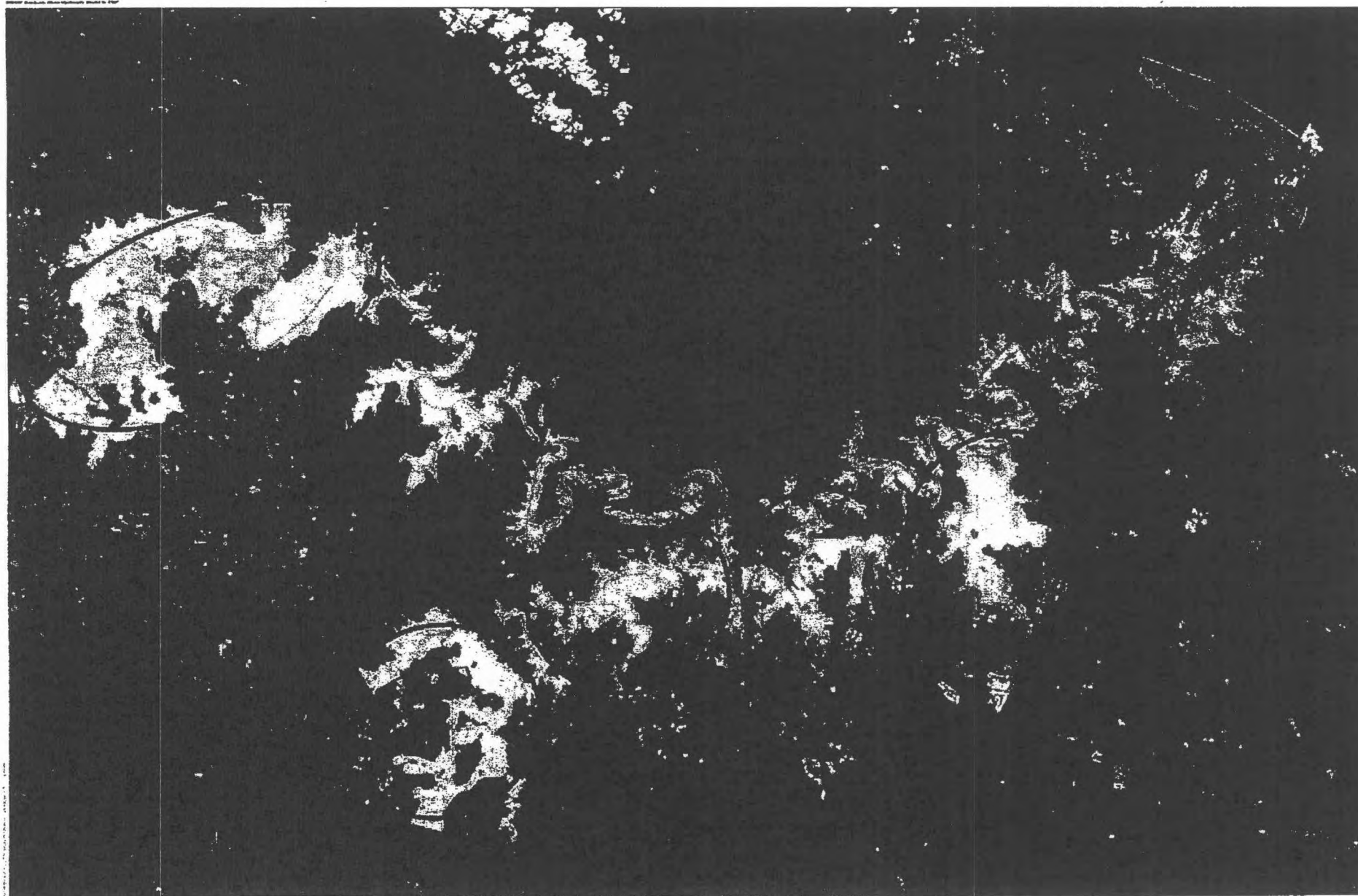
As discussed with Don, I'm interested in getting a handle on the relative size of the flood plain storages indicated on your image below.

1. Junction of Lockyer and Brisbane upstream of Savages Crossing
2. Between Savages Crossing and Mt Crosby
3. Junction of Bremer and Warrill around Amberley
4. Immediately upstream of Ipswich
5. Downstream of Bremer and Brisbane, and
6. Junction of Brisbane and Oxley Ck around Rocklea

This flood was higher than 1974 at Savages Crossing but about 1 metre lower at Mt Crosby and this difference seems to be similar all the way down to the City gauge.

Regards

Terry



Duty Engineer
Flood Operations Centre

Phone

Fax:

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