

[REDACTED]

From: Colin Jensen [REDACTED]
Sent: Tuesday, 7 December 2010 11:01 PM
To: Bradley John
Subject: Re: FW: BCC and Dredging at Breakfast Creek

Thanks - I'm still following through with my staff but would appreciate the 'reality check' from DERM

Regards

Colin Jensen
Chief Executive Officer
Brisbane City Council
GPO Box 1434 | Brisbane Qld 4001
Level 23, Brisbane Square | 266 George Street, Brisbane, Qld 4000
Phone: [REDACTED]
Email: [REDACTED]

>>> "Bradley John" [REDACTED] 7/12/2010 10:54:57 pm
>> >>>

Just waiting for feedback Colin, will let you know

Thanks
John B

----- Original Message -----

From: Colin Jensen [REDACTED]
To: Bradley John
Cc: Brown Damien
Sent: Tue Dec 07 22:46:57 2010
Subject: Re: FW: BCC and Dredging at Breakfast Creek

Thanks John

I will have Council staff follow through with Tim

BTW - Did you have any guidance on DERM's view about the development proposal of underground car parking that intrudes into the heritage listed area of the Gasometer at Newstead?

egards

Colin Jensen
Chief Executive Officer
Brisbane City Council
GPO Box 1434 | Brisbane Qld 4001
Level 23, Brisbane Square | 266 George Street, Brisbane, Qld 4000
Phone: [REDACTED]
Email: [REDACTED]

>>> "Bradley John" [REDACTED] 7/12/2010 3:16:58 pm
>>> >>>

Colin

I promised to come back to you in relation to Breakfast Creek - I gather there was a meeting of officers on November 18 but there has not been an application received by DERM (as of late last week)

The appropriate contact officer is Tim Adams (ph 34062380) if your staff wish to

discuss further pre-lodgement.

regards

John Bradley

Director-General

Department of Environment and Resource Management

Telephone: [REDACTED]

Email: [REDACTED]

<mailto:[REDACTED]>

www.derm.qld.gov.au <<http://www.derm.qld.gov.au>>

Department of Environment and Resource Management

400 George Street, Brisbane Q 4000

GPO Box 2454, Brisbane Q 4001

+-----+
Think B4U Print

1 ream of paper = 6% of a tree and 5.4kg CO2 in the atmosphere

3 sheets of A4 paper = 1 litre of water
+-----+

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From: Best Debbie
Sent: Thursday, 9 December 2010 1:03 PM
To: 'Tim Watts'; Bradley John
Cc: Shirreffs Leslie; Himstedt Dale; Jamieson Peter
Subject: Response to your question about impact of floods on releasing Dec and WRP

Tim
 You asked for advice on whether these two should proceed to be announced in view of the flooding.

I have enclosed the latest out west flood information and spoken with the relevant teams.

We are of the view that the Fitzroy should proceed as we really need to get the Fitzroy WRP out by Christmas. Otherwise, we won't be in a position to finalise the WRP before the Sept '11 statutory deadline. The fact that rivers are up and roads are cut really isn't an issue, as the documents will all be available electronically. A CRP meeting is scheduled for Rockhampton on 20 Dec, but otherwise the public presentations aren't scheduled until mid-January and submissions won't close until 28 Feb '11.

At this stage we believe the Cooper should also be released but with caveats around the consultation needing to change dependant on the weather. If there was a dramatic deterioration in the situation over the week end we could reassess Monday. I have listed these items for the morning meeting so we can discuss.
 Debbie

FLOOD WARNING FOR THE BARCOO RIVER AND COOPER CREEK

Issued at 10:07 AM on Wednesday the 8th of December 2010
 by the Bureau of Meteorology, Brisbane.

BARCOO RIVER

Blackall area received up to 128mm within the last 24 hours. This will result in river level rises and minor flooding at Blackall.

There is minor flooding along the lower Barcoo River from Isisford to Glenlock.

Further rises are likely between Isisford and the Retreat area during the weekend and into next week as floodwaters from the Blackall area travel downstream.

COOPER CREEK

Major flooding in the Cooper Creek at Windorah continues to ease with minor to moderate flooding expected.

FORECAST

There are heavy to moderate storms are expected for the Southwest on Friday, Saturday and Sunday. This

A regional officer in Longreach has reviewed last years' rainfall and flooding and has recommended not to

To date widespread flooding with road closures including some of the major roads has occurred limiting access

Private roads on stations will most likely be affected as well limiting stakeholder movements.

Debbie Best

Deputy Director-General, Water and Ecosystem Outcomes Division

Telephone [REDACTED]

Email [REDACTED]

www.derm.qld.gov.au

Department of Environment and Resource Management
 Level 13, 400 George Street, Brisbane Q 4000
 GPO Box 2454, Brisbane Q 4001

[REDACTED]

From: Dan Spiller [REDACTED]
Sent: Sunday, 12 December 2010 4:31 PM
To: Bradley John
Cc: Peter Borrows; Dennien Barry [REDACTED] Reilly Bob
Subject: Wivenhoe Dam release
Attachments: Technical Stuation Report W1.docx

John,

Technical report attached for your notification, as flagged this morning. Notification to you is required under the draft protocol.

Details of the proposed release are outlined in the report, as drafted by the Seqwater team.

Note that this event is expected to be smaller than the October event. Seqwater is expecting release 70,000 to 80,000 ML at this time, compared to 650,000 ML released during the October event. More importantly, the flow rate will be only 20 per cent of the October event.

Seqwater has advised the downstream councils and BOM, as outlined in the report and as per the draft protocol. Councils and BOM have not provided written assessments at this stage. Seqwater will continue to consult with them.

We are preparing a media release for this afternoon, flagging the gate release and providing an overview of levels across Water Grid storages. We intend to keep it low key, reflecting that this is a smaller release than October (no TV interviews today). We are consulting with Lance on content. Let me know if you want an opportunity to comment.

Please call me if you require any further information.

Regards,
Daniel Spiller

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TECHNICAL SITUATION REPORT

TSR Number	W1	Date of TSR release	12.12.2010	Time of TSR release	2pm
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Seqwater status of inflows and dam operations

Somerset/Wivenhoe Dams

Operational releases have been made from Wivenhoe and Somerset Dams over the last week discharging water that has come into the dams, however this is not sufficient to handle the current inflows. Rainfall in the last 24 hours will result in significant inflows to Somerset and Wivenhoe Dams which will require gate operations in the next few days.

At Somerset, two regulators have been opened around midday Sunday and remain open until at least Thursday. This will release approximately 45,000ML into Wivenhoe Dam. Water level in Somerset Dam is expected to peak around 99.7m AHD during Monday.

There is a peak flow of about 150m³/s expected in the mid Brisbane during Monday, mostly resulting from Lockyer Ck. This will be similar to, if not slightly higher than, the peak of 130 m³/s which occurred on Monday 6/12/2010.

Some 30,000 ML is expected to flow into Wivenhoe Dam from the upper Brisbane R during the next week. Coupled with the Somerset release, this will result in a rise at Wivenhoe during the next 24 to 48 hours with a peak water level around 67.6 m AHD. Releases from Wivenhoe will not be made until the runoff from the Lockyer and local areas has passed Savages Crossing so as not to exacerbate local flooding.

Releases from Wivenhoe are expected to commence on Monday afternoon depending on flows downstream and further possible rainfall, ramping up from the current release of 50m³/s to 300m³/s. The regulator will be closed and Gate 3 will be progressively opened to 3.0m. It is expected to remain at this level until Thursday when it will be reduced back to 50m³/s, at which stage the water level in the dam is expected to be below 67.25m AHD. Low level releases of 50m³/s through the hydro and regulator will then continue

It should be noted that a release of 300m³/s will impact upon Twin Bridges, Savages Crossing and Colleges Crossing. The release strategy is to discharge the stored floodwaters as quickly as possible to return the flood buffer in the dams in case there is further rainfall but in a manner that attempts to minimize disruption downstream.

The Dam Regulator has been advised of the planned actions to confirm the suitability of the planned release strategy.

Councils were contacted by phone and a follow up email sent however their phone advice is considered sufficient considering the minor actions required of councils. They can offer further comments if they desire at any stage.

The planned release strategy has been provided around 10am on 12.12.2010 by phone to
Brisbane City Council – Chris Lavin
Ipswich City Council – Tony Trace
Somerset Regional Council – Tony Jacobs

Although informal operational advice to Councils occurs at other times.

Issues raised by Councils were only a request to be advised when releases began to enable bridge closures. Somerset requested Burton's Bridge to remain open if possible or notice provided if we intend to release sufficient water to close it on purpose.

Actions taken will be to mobilise the flood centre on Monday and advise Councils as requested regarding releases.

Seqwater Technical Officer name	Robert Drury
Seqwater Technical Officer position title	Dam Operations Manager

BoM assessment

(consisting of references to latest Flood Warning for the Brisbane River and other relevant Bureau forecasts and warnings (e.g. weather/rain forecasts, Tropical Cyclone Warning etc) and other updates/comments if needed)

BoM was advised of planned releases via their flood information email. No formal advice is required of them as the release is a minor drawdown however there is ongoing advice provided by them on predicted rainfall and flows.

Actions taken will be to mobilise the flood centre on Monday and advise Councils as requested regarding releases and keep BoM up to date.

BoM Technical Officer name	
BoM Technical Officer position title	
BoM Technical Officer contact details	

Brisbane City Council (BCC) assessment

(to include predicted local inundation areas and depths of inundation based on the information)

BCC will advise internally for information purposes mainly re bridge closures in other council areas that may affect Brisbane residents.

Actions taken will be to mobilise the flood centre on Monday and advise Councils as requested regarding releases.

BCC Technical Officer name	Chris Lavin
BCC Technical Officer position title	Disaster Operations Manager
BCC Technical Officer contact details	

Ipswich City Council (ICC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Ipswich will coordinate closure of Colleges Crossing as necessary and any other actions.

Actions taken will be to mobilise the flood centre on Monday and advise Councils as requested regarding releases

ICC Technical Officer name	Tony Trace
ICC Technical Officer position title	Local Disaster Response Coordinator
ICC Technical Officer contact details	

Somerset Regional Council (SRC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Somerset Council will coordinate closure of Twin Bridges and Savages Crossing as necessary and any other actions.

Actions taken will be to mobilise the flood centre on Monday and advise Councils as requested regarding releases

SRC Technical Officer name	Tony Jacobs
SRC Technical Officer position title	Local Disaster Response Coordinator
SRC Technical Officer contact details	

Collated and distributed by (Agency)

Contact Officer signature	
Contact Officer name	Rob Drury
Contact Officer position title	Dam Operations Manager

Next TSR due	Date	13.12.2010	Time		or Event	
---------------------	-------------	------------	-------------	--	-----------------	--

From: Dan Spiller [REDACTED]
Sent: Sunday, 12 December 2010 4:35 PM
To: Bradley John
Subject: FW: Wivenhoe Dam release
Attachments: Technical Stuation Report W1.docx

John,

I should have mentioned that our communications team has consulted with the Councils about the media release. All three have agreed to the key elements of the release (most difficult was BCC, which is not affected by the bridge closures, but is now happy - at least at an officer level).

Dan

From: Dan Spiller
Sent: Sunday, 12 December 2010 4:31 PM
To: John Bradley [REDACTED]
Cc: Peter Borrows; Barry Dennien; [REDACTED]
Subject: Wivenhoe Dam release

John,

Technical report attached for your notification, as flagged this morning. Notification to you is required under the draft protocol.

Details of the proposed release are outlined in the report, as drafted by the Seqwater team.

Note that this event is expected to be smaller than the October event. Seqwater is expecting release 70,000 to 80,000 ML at this time, compared to 650,000 ML released during the October event. More importantly, the flow rate will be only 20 per cent of the October event.

Seqwater has advised the downstream councils and BOM, as outlined in the report and as per the draft protocol. Councils and BOM have not provided written assessments at this stage. Seqwater will continue to consult with them.

We are preparing a media release for this afternoon, flagging the gate release and providing an overview of levels across Water Grid storages. We intend to keep it low key, reflecting that this is a smaller release than October (no TV interviews today). We are consulting with Lance on content. Let me know if you want an opportunity to comment.

Please call me if you require any further information.

Regards,
 Daniel Spiller

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From: Dan Spiller [REDACTED]
Sent: Sunday, 12 December 2010 5:25 PM
To: Bradley John
Subject: FW: DRAFT - HEAVY RAINS PROMPT CONTROLLED RELEASES FROM WIVENHOE DAM

From: SEQWGM Media
Sent: Sunday, 12 December 2010 5:22 PM
To: Dan Spiller
Subject: DRAFT - HEAVY RAINS PROMPT CONTROLLED RELEASES FROM WIVENHOE DAM

DRAFT

**MEDIA RELEASE
12 DECEMBER 2010**

HEAVY RAINS PROMPT CONTROLLED RELEASES FROM WIVENHOE DAM

Controlled releases from Wivenhoe Dam are expected to begin tomorrow afternoon, following the weekend's heavy rainfall across South East Queensland.

Water Grid spokesperson Dan Spiller said the dam operators are likely to open one of the five gates, to release a daily average of 30,000 megalitres over a number of days. The releases will restore the dam to just below full supply level.

"The volume of water released will be less than in October, when we had all five gates open and were releasing up to 130,000 megalitres per day," said Mr Spiller.

"Releases are expected to continue until towards the end of the week, depending upon any further rainfall."

Somerset Dam began releasing water into Wivenhoe Dam at midday today, after heavy rainfall on the Sunshine Coast.

All dams throughout South East Queensland have been hovering around 100 per cent capacity since heavy rainfall during early October.

Hinze Dam is continuing to release approximately 5,000 megalitres of water per day through the outlet gates. Several other local dams are continuing to spill.

Mr Spiller said with all the water currently around the area, the community needs to be vigilant about safety around dams, weirs and fast-flowing waters.

"Members of the public need to be aware of the dangers of swimming in weirs and flooded waterways. The facts are that it only takes ankle deep water to knock you off your feet, and only 60 seconds to drown," he said.

"We are discouraging people from visiting Wivenhoe Dam over the next few days to view the gate openings, given how wet the area is and the forecast for further rainfall."

The Water Grid has consulted with Ipswich, Somerset and Brisbane City Councils regarding the decision to release water from Wivenhoe Dam tomorrow.

Levels in the Lockyer River were taken into account, with the releases from Wivenhoe Dam timed so as to allow sufficient time for levels downstream to drop.

The release is expected to result in the closure of Twin Bridges, Colleges Crossing and Savages Crossing.

ENDS

Notes to the editor

About the SEQ Water Grid

Established in June 2008 in response to the crippling Millennium Drought, the SEQ Water Grid represents one of Australia's largest investments in water infrastructure.

Through a network of climate resilient water sources, treatment facilities, new two-way pipes and existing pipelines, the SEQ Water Grid gives the South East Queensland region the ability to support water demands, water quality, economic prosperity and lifestyle - regardless of climate change and population growth.

For further information visit www.watergrid.com.au

For further details contact the SEQ Water Grid Communications Unit on:

Ph: [REDACTED] | **Email:** [REDACTED]

Aleisha Coote
Senior Media Advisor
SEQ Water Grid Communications Unit
Phone: [REDACTED]
Email: [REDACTED]
Visit: Level 15, 53 Albert Street Brisbane
Post: PO Box 16205, City East QLD 4002
ABN: 14783 317 630

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no lifeguards here

A WATER SAFETY INITIATIVE FROM 

Swimming in weirs and fast flowing water is FATAL.

rethink it.

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From: Barry Dennien [REDACTED]
Sent: Monday, 13 December 2010 12:10 PM
To: Ken Smith; Bradley John
Subject: RE: Media alert: GATES SET TO OPEN AT WIVENHOE AT 1.00PM
Ken

No issues raised, the release is minor and will have very little impact if any on BCC, Ipswich and Somerset will have a few bridge closures and feel the impact a little more.

Barry

From: Ken Smith [REDACTED]
Sent: Monday, 13 December 2010 11:55 AM
To: Barry Dennien; John Bradley [REDACTED]
Subject: FW: Media alert: GATES SET TO OPEN AT WIVENHOE AT 1.00PM

Thanks Barry. No issues with Council ?

Regards

Ken Smith
Director-General
Department of the Premier and Cabinet
Phone: [REDACTED]
Mobile: [REDACTED]
Email: [REDACTED]

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www.towardQ2.qld.gov.au

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From: Barry Dennien [REDACTED]
Sent: Monday, 13 December 2010 11:49 AM
To: Bradley John; Ken Smith
Cc: Dan Spiller; Rob Drury; Michael Lyons
Subject: FW: Media alert: GATES SET TO OPEN AT WIVENHOE AT 1.00PM

Ken / John

In accordance with the new flood release protocols I am required to inform you when a release is to be made from Wivenhoe Dam.

All parties to the protocol have been consulted and they raised no concerns with the release strategy.

Note the media release below.

Regards

Barry Dennien

From: SEQWGM Media
Sent: Monday, 13 December 2010 11:20 AM
Subject: Media alert: GATES SET TO OPEN AT WIVENHOE AT 1.00PM

Media alert

Following last night's announcement, one of the five gates at Wivenhoe Dam will be opening today at 1.00pm.

Where: Wivenhoe Dam

When: 1.00pm, Monday 13 December

Photo opportunities: the best photos can be captured from the public viewing platform. This can be accessed by turning left off the Brisbane Valley Highway, near Fernvale.

For further information, please note the media release below.

From: SEQWGM Media
Sent: Sunday, 12 December 2010 5:58 PM
Subject: Media release: HEAVY RAINS PROMPT CONTROLLED RELEASES FROM WIVENHOE DAM

MEDIA RELEASE 12 DECEMBER 2010

HEAVY RAINS PROMPT CONTROLLED RELEASES FROM WIVENHOE DAM

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1/04/2011

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"We are discouraging people from visiting Wivenhoe Dam over the next few days to view the gate openings, given how wet the area is and the forecast for further rainfall."

The Water Grid has consulted with Ipswich, Somerset and Brisbane City Councils regarding the decision to release water from Wivenhoe Dam tomorrow.

All release are being managed in accordance with approved flood management plans. Levels in the Lockyer River were taken into account, with the releases from Wivenhoe Dam timed to allow sufficient time for levels downstream to drop.

The release is expected to result in the closure of Twin Bridges, Colleges Crossing and Savages Crossing.

ENDS

Notes to the editor

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For further information visit www.watergrid.com.au

For further details contact the SEQ Water Grid Communications Unit on:

Ph: (07) 3247 3000 | Email: media@seqwgm.com.au

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[REDACTED]

From: Barry Dennien [REDACTED]
Sent: Friday, 17 December 2010 1:37 PM
To: spiller daniel [REDACTED] Lyons Michael [REDACTED] Bradley John
Subject: FW: Technical Report W5
Attachments: Technical Stuation Report W5.docx

John

Latest technical report supporting the planned flood release tonight. We are continuing to discuss with Seqwater if this release can be extended in either time or volume to reduce the flood storage level below full supply level and possibly mitigate the on and off again releases during this wet period. Keep you updated.

Barry

From: Rob Drury [REDACTED]
Sent: Friday, 17 December 2010 1:28 PM
To: Dan Spiller
Cc: Barry Dennien; Peter Borrows; Jim Pruss; Mike Foster; Grant Horton
Subject: Technical Report W5

Attached is the Technical Report W5.

Barry,
 It should cover off on your questions in your email before as well.

Hadn't sent this through earlier as for such minor releases, I send the Technical Report through when we have contacted Councils and have a fairly clear understanding of where we are heading so the technical info has been shared and there is communication with Councils and then rely on the Communications process to give the early update to WGM and others as was done this morning.

Rob

Robert Drury
 Dam Operations Manager
 Water Delivery
 Queensland Bulk Water Supply Authority trading as Seqwater



Ph [REDACTED]
 Wivenhoe Dam, Brisbane Valley Highway, via Fernvale Q4306 Australia
 PO Box 37, Fernvale QLD 4306
 Website | www.seqwater.com.au

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1/04/2011

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TECHNICAL SITUATION REPORT

TSR Number	W5	Date of TSR release	17.12.2010	Time of TSR release	12pm
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Seqwater status of inflows and dam operations

Somerset/Wivenhoe Dams

The previous release plan was to get Wivenhoe dam as close to FSL as possible without inundating Burtons bridge and balance this off against opening Colleges Crossing as soon as possible. The BOM forecasts on Wednesday when the decision was made to proceed with closure on Thursday morning indicated a low chance of significant rainfall until Sunday and unfortunately these forecasts did not prove correct and were revised upwards on Thursday.

A decision to commence a release tonight was made this morning by Duty Flood Engineers to provide as much notice to impacted Councils as possible. Due to the large storms experienced yesterday afternoon and night, the current rain on the ground will result in over 60,000ML needing to be released from Wivenhoe and Somerset Dams to achieve FSL. Additionally BOM are forecasting an additional 20 to 50 millimetres of rain tonight, with further rain forecast through the weekend. If this rain eventuates, substantial flood releases will occur impacting a number of bridges along the river.

The extent of the release commencing tonight will depend on the rain that falls in the catchment over the next 72 hours. This could vary between 10 and 100+ millimetres and the release strategy will be developed in accordance with the Manual of Flood Mitigation as the situation develops. The objectives of the release will be to protect the safety of the dam while minimising flooding impacts on the crossings downstream of the dam in the Brisbane River.

Councils were contacted this morning to advise of the strategy and they had no concerns with the strategy and agreed with the strategy.

Twin Bridges, Savages Crossing and Colleges Crossing may be impacted by releases but it depends to some extent on the rainfall tonight and weekend. Significant rainfall could result in other bridges being impacted by releases.

A follow up email will be sent in case Councils want to provide an assessment.

Seqwater Technical Officer name	Robert Drury
Seqwater Technical Officer position title	Dam Operations Manager

BoM assessment

(consisting of references to latest Flood Warning for the Brisbane River and other relevant Bureau forecasts and warnings (e.g. weather/rain forecasts, Tropical Cyclone Warning etc) and other updates/comments if needed)

BoM has been advised of the strategy.

Action taken was to mobilise the flood centre.

BoM Technical Officer name	
BoM Technical Officer position title	
BoM Technical Officer contact details	

Brisbane City Council (BCC) assessment

(to include predicted local inundation areas and depths of inundation based on the information)

Council was advised of the strategy.

Action taken was to mobilise the flood centre.

BCC Technical Officer name	Chris Lavin
BCC Technical Officer position title	Disaster Operations Manager
BCC Technical Officer contact details	

Ipswich City Council (ICC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Council was advised of the strategy.

Action taken was to mobilise the flood centre.

ICC Technical Officer name	Tony Trace
ICC Technical Officer position title	Local Disaster Response Coordinator
ICC Technical Officer contact details	

Somerset Regional Council (SRC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Council was advised of the strategy.

Action taken was to mobilise the flood centre.

SRC Technical Officer name	Tony Jacobs
SRC Technical Officer position title	Local Disaster Response Coordinator

SRC Technical Officer contact details

Collated and distributed by (Agency)

Contact Officer signature**Contact Officer name**

Rob Drury

Contact Officer position title

Dam Operations Manager

Next TSR due**Date**

17.12.2010

Time**or Event****Gate opening**

From: Ken Smith [REDACTED]
Sent: Wednesday, 22 December 2010 1:25 PM
To: Dennien Barry [REDACTED] Bradley John
Cc: spiller daniel [REDACTED] 'Jim McGowan'; 'Bruce Grady'
Subject: RE: Brisbane residents sandbagging against localised floods

Follow Up Flag: Follow up

Flag Status: Completed

Thanks Barry. We are getting further advice from the Bureau on Friday at our SDMG meeting which John or his rep will attend.

Jim/ Bruce ...what are the impacts of the higher tide peak on Friday? 1.85 to 1.95?

Regards

Ken Smith

Director-General

Department of the Premier and Cabinet

Phone [REDACTED]

Mobile [REDACTED]

Email: [REDACTED]

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www.towardQ2.qld.gov.au

Please consider the environment before printing this email (3 sheets of paper = 1 litre of water)

From: Barry Dennien [REDACTED]
Sent: Wednesday, 22 December 2010 1:13 PM
To: Ken Smith; John Bradley [REDACTED]
Cc: Dan Spiller
Subject: RE: Brisbane residents sandbagging against localised floods

Ken

Current release rate is 110,000 megalitres per day (1300 cubic meters per second) October releases were at a maximum of 1500 cubic meters per second. These are expected to continue until tomorrow and then cut back over the xmas break. However the variable in all of this is the rain forecast. Wivenhoe is at 106% and we are targeting 100% by tomorrow allowing for inflows still coming.

The forecast could change in the coming days with the low forming off the Mid East Coast of Queensland, getting the dam back to 100% is critical in case the rain event escalates.

The tide peaked today at 1.85m and tomorrow and Friday will peak slightly higher than at 1.95m this is higher than October 1.66m peak. Then the tides will start to decrease.

We remain in close communication with the BOM and BCC. The protocol is being followed.

Regards

Barry

From: Ken Smith [REDACTED]
Sent: Wednesday, 22 December 2010 12:53 PM
To: John Bradley [REDACTED] Barry Dennien
Subject: FW: Brisbane residents sandbagging against localised floods

John and Barry

Some very localised flooding. What are the current release levels from Wivenhoe?

Regards

Ken Smith

Director-General

Department of the Premier and Cabinet

Phone [REDACTED]

Mobile [REDACTED]

Email: [REDACTED]

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From: Kimberley Gardiner [REDACTED]
Sent: Wednesday, 22 December 2010 12:41 PM
To: Anna Bligh; Premiers Office - Media Unit; Stephen Beckett; Melissa Patch; Adam Shortman
Cc: Ken Smith
Subject: Brisbane residents sandbagging against localised floods

Brisbane residents sandbagging against

1/04/2011

localised floods

By Stephanie Smail ABC News

Posted 11 minutes ago

- [Map: Brisbane 4000](#)

Tidal flooding has inundated some suburbs along the Brisbane River this morning.

Days of heavy rain, storm run-off and releases from the Wivenhoe Dam, north of Ipswich, have raised river levels.

There is minor flooding in suburbs including Windsor, Albion and Newstead.

The Brisbane City Council says some sandbagging is underway but the water levels are already dropping.

Kimberley Gardiner
Director, Government Media Unit
Office of the Premier of Queensland

P
M
E

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[REDACTED]

From: Barry Dennien [REDACTED]
Sent: Wednesday, 22 December 2010 2:03 PM
To: Bradley John; Ken Smith
Cc: Lyons Michael @ SEQWGM; spiller daniel @ SEQWGM
Subject: FW: Media update - Dam releases
Attachments: Technical Stuation Report W14.docx

Ken John

We will keep you updated on our press releases from now on.

Also see attached this morning's "Technical Situation Report"

This report is a key step in the Premier's flood release protocol.

Dan Spiller will shortly send through some advertising we are planning over the coming days with regards flood releases and Dam recreation.

I will send through a fact sheet on Wivenhoe Flood Management in the next few hours after it comes back from the editor.

Regards

Barry

From: SEQWGM Media
Sent: Wednesday, 22 December 2010 10:47 AM
Subject: Media update - Dam releases

22 December 2010 - Morning

Media update: Dam releases

Releases from Wivenhoe Dam continued overnight with all five spillway gates at Wivenhoe Dam opened.

The current release volume of 110,000 megalitres will be maintained until Thursday 23 December 2010, when releases are expected to reduce as the flood storage compartment empties.

Continued gate operations are being assessed depending on whether the forecasted level of rainfall and inflows is received over the Christmas period.

The Water Grid continues to work closely with local councils regarding the likely impacts of these releases on surrounding areas which include the closure of Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Crossing and Kholo Crossing.

Releases equivalent to about 35,000 megalitres per day are continuing from Somerset Dam into Wivenhoe Dam, and are expected to continue depending on forecast rainfall.

The gates at Leslie Harrison Dam closed at 4.00pm yesterday, after a minor release was made.

Members of the public seeking information on potential impacts in their local areas should direct inquiries to their local councils.

For recorded information on current dam releases in South East Queensland, members of the public are encouraged to call **1800 613 122**.

Recreation update

While every effort will be made to keep recreational sites open, public safety is paramount and it is possible that some sites may be closed at short notice due to heavy weather.

Therefore, members of the public who are considering recreational activities including camping at South East Queensland dams over the Christmas/New Year period are urged to explore other options – have a plan B.

Currently, Somerset Dam has been re-opened for all water-based recreational activities, however this may change.

Likewise, Wivenhoe Dam has also been re-opened for all water-based recreational activities, however the following recreation sites at Wivenhoe remain closed:

- Hamon Cove
- Captain Logan Camp
- Billies Bay

Atkinson's Crossing at Wivenhoe Dam is currently open however river access is closed.

Lake Maroon is currently closed to swimming and skiing due to recent heavy rainfall however boating and fishing are still currently allowed.

For further information on the Water Grid: www.watergrid.com.au

ENDS

Notes to the editor

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For further details contact the SEQ Water Grid Communications Unit on:
Ph: [REDACTED] **| Email:** [REDACTED]

Jade Simmons
Senior Correspondence Officer
SEQ Water Grid Communications Unit

SEQ Water Grid Manager

Phone

Email:

Visit: Level 15, 53 Albert Street Brisbane

Post: PO Box 16205, City East QLD 4002

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TECHNICAL SITUATION REPORT

TSR Number	W14	Date of TSR release	22.12.2010	Time of TSR release	8.30am
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Seqwater status of inflows and dam operations

Somerset/Wivenhoe Dams

Rainfall

No rainfall has occurred over the catchment of the dams since 03:00 on Monday 20 December 2010. All major streams have now peaked and inflows are receding.

Wednesday 22 December Rain developing

Thursday 23 December Rain easing to showers

Friday 24 December Showers tending to rain at times

Saturday 25 December Showers tending to rain at times

Sunday 26 December Rain increasing

Monday 27 December Rain at times

Tuesday 28 December Rain at times

Somerset Dam

Gate operations are occurring at Somerset Dam and are expected to continue until at least Wednesday 22 December 2010 assuming no further rainfall. Two sluice gates are currently releasing about 410 m³/s from the dam into Lake Wivenhoe.

Somerset Dam peaked at EL 100.43 m AHD at around 13:00 on Monday 20 December 2010 and the lake level is slowly falling. Somerset Dam is currently at EL 99.68 m AHD, (108 % of capacity).

The estimated inflow into Somerset Dam to date is 121,500ML, of which 103,000 ML has been discharged into Wivenhoe Dam.

Continued gate operations may be necessary if forecast rainfall from Wednesday to Monday results in subsequent river rises.

Wivenhoe Dam

Gate operations are occurring at Wivenhoe Dam and are expected to continue until Thursday 23 December 2010 assuming no further rainfall. Releases from the dam were increased slightly late yesterday as other river flows dropped and have been steady at a maximum release rate of about 1,440 m³/s since 18:00 Tuesday 21/12/2010. This flow rate will be maintained until early Thursday 23 December 2010, when releases will be reduced as the flood storage compartment is emptied.

Wivenhoe Dam peaked at a level of EL 68.24 m AHD at approximately 04:00 on Tuesday 21/12/2010. The current level is EL 67.71 m AHD (107% of capacity) and falling slowly.

The estimated inflow into Wivenhoe Dam to date (excluding releases from Somerset Dam) is 181,000 ML, of which 221,500 ML has been released. The total estimated inflow into both dams for this event, based upon rainfall to date is 310,000 ML.

Continued gate operations may be necessary if forecast rainfall from Wednesday to Monday results in subsequent river rises.

Impacts of Releases

The increased release from Wivenhoe Dam has resulted in elevated levels in the Brisbane River from Wivenhoe to Colleges Crossing. Twin Bridges, Savages Crossing and Colleges Crossing were inundated earlier in the event. As a consequence of the increased release from Wivenhoe Dam, Burtons Bridge was inundated at around 00:40 on Tuesday 21 December 2010. Kholo Bridge was inundated around midday Tuesday 21 December 2010. In accordance with the adopted operational strategy these bridges should be back in service by late Thursday or Friday and all bridges (with the exception of Twin Bridges) should be trafficable for Christmas providing no further rainfall occurs. No future rainfall is currently included in these forecasts.

Advice from the BoM regarding predicted tides in the Brisbane River at the City Gauge, suggest that peak levels (1.7 to 1.8 m AHD) may reach or slightly exceed the minor flood level of 1.7 m AHD. The effect of the Wivenhoe release on these high tide values is estimated to be about 0.1m. Peak levels will coincide with high tides which are expected at about 11:00 am on Wednesday 22 December and around noon on Thursday 23 December. Tide levels will be monitored over the next few days and these estimates may be adjusted by BoM in light of changed observations. It is anticipated that this advice will be updated sometime today but no significant change to this advice is expected.

Emails have been sent to BCC, ICC and SRC this morning with similar information and requesting any assessments or concerns. If any are received they will be forwarded.

The BoM is aware of all releases.

Seqwater Technical Officer name	Robert Drury
Seqwater Technical Officer position title	Dam Operations Manager

BoM assessment

(consisting of references to latest Flood Warning for the Brisbane River and other relevant Bureau forecasts and warnings (e.g. weather/rain forecasts, Tropical Cyclone Warning etc) and other updates/comments if needed)

As above.

BoM Technical Officer name	Peter Baddiley
BoM Technical Officer position title	
BoM Technical Officer contact details	

Brisbane City Council (BCC) assessment

(to include predicted local inundation areas and depths of inundation based on the information)

BCC has been contacted by Flood Centre on ongoing basis.
Email sent to request any assessment.

BCC Technical Officer name	Chris Lavin
BCC Technical Officer position title	Disaster Operations Manager
BCC Technical Officer contact details	

Ipswich City Council (ICC) assessment (if required)
(to include predicted local inundation areas and depths of inundation based on the information)

ICC has been contacted by Flood Centre on ongoing basis.
Email sent to request any assessment.

ICC Technical Officer name	Tony Trace
ICC Technical Officer position title	Local Disaster Response Coordinator
ICC Technical Officer contact details	

Somerset Regional Council (SRC) assessment (if required)
(to include predicted local inundation areas and depths of inundation based on the information)

SRC has been contacted by Flood Centre on ongoing basis.
Email sent to request any assessment.

SRC Technical Officer name	Tony Jacobs
SRC Technical Officer position title	Local Disaster Response Coordinator
SRC Technical Officer contact details	

Collated and distributed by (Agency)

Contact Officer signature	
Contact Officer name	Rob Drury
Contact Officer position title	Dam Operations Manager

Next TSR due	Date		Time		or Event	Closing strategy
--------------	------	--	------	--	----------	------------------

[REDACTED]

From: Dan Spiller [REDACTED]
Sent: Wednesday, 22 December 2010 2:13 PM
To: Bradley John; Ken Smith
Cc: Lyons Michael @ SEQWGM; Dennien Barry [REDACTED]
Subject: RE: Media update - Dam releases

Ken and John,

Advertisements below, as per Barry's email.

In addition to dam releases, we are worried about people going to the dams to camp just as they are closed – or that we may need to close the facilities during the week (we were expected 150,000 people to use the dam recreation facilities this Christmas holiday).

We are also anxious to highlight that closures of Council-owned roads is a matter for those Councils – and may occur for reasons other than dam releases, including local flooding and maintenance.

Newspaper and radio scripts below. Scripts have been approved by Council officers.

Cost of newspaper advertising is about \$25k, funded by WGM. Radio will be focussed on Thursday and Friday, with press advertising next week (no press spots available this week).

John: Advertising approved in principle by MO. Geoff is reviewing text now.

Dan

Approved text for print ads:

WATER GRID COMMUNITY SERVICE ANNOUNCEMENT

Wet weather means that water releases from dams across the region are likely to continue this holiday season.

For daily information on dam releases in South East Queensland, contact 1800 613 122.

While every effort will be made to keep recreational sites open, public safety is paramount and it is possible that some sites may be closed at short notice due to heavy weather.

The Water Grid is urging campers at South East Queensland dams to consider a plan B this holiday season.

For more information on the status of dam levels and Water Grid recreation sites visit www.watergrid.com.au

For information on local flooding, including road closures, contact the local council or visit their website.

The council areas that are affected by Wivenhoe Dam releases are:

- o Somerset Regional Council; 5424 4000; www.somerset.qld.gov.au
- o Ipswich City Council; 3810 6666; www.ipswich.qld.gov.au

o Brisbane City Council; 3403 8888; www.brisbane.qld.gov.au

Approved radio script:

Wet weather means that water releases from dams across South East Queensland are likely to continue this holiday season.

To find out the latest information on dam releases call 1800 613 122.

The Water Grid is making every effort to keep recreational sites open, but public safety is paramount. Some sites may need to be closed at short notice. Visit www.watergrid.com.au for the latest information.

For information on local flooding, including road closures, contact the local council or visit their website.

From: Barry Dennien
Sent: Wednesday, 22 December 2010 2:03 PM
To: John Bradley [REDACTED]; Ken Smith
Cc: Michael Lyons; Dan Spiller
Subject: FW: Media update - Dam releases

Ken John

We will keep you updated on our press releases from now on.

Also see attached this morning's "Technical Situation Report"

This report is a key step in the Premier's flood release protocol.

Dan Spiller will shortly send through some advertising we are planning over the coming days with regards flood releases and Dam recreation.

I will send through a fact sheet on Wivenhoe Flood Management in the next few hours after it comes back from the editor.

Regards

Barry

From: SEQWGM Media
Sent: Wednesday, 22 December 2010 10:47 AM
Subject: Media update - Dam releases

22 December 2010 - Morning

Media update: Dam releases

Releases from Wivenhoe Dam continued overnight with all five spillway gates at Wivenhoe Dam opened.

The current release volume of 110,000 megalitres will be maintained until Thursday 23 December 2010, when releases are expected to reduce as the flood storage compartment empties.

Continued gate operations are being assessed depending on whether the forecasted level of rainfall and inflows is received over the Christmas period.

The Water Grid continues to work closely with local councils regarding the likely impacts of these releases on surrounding areas which include the closure of Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Crossing and Kholo Crossing.

Releases equivalent to about 35,000 megalitres per day are continuing from Somerset Dam into Wivenhoe Dam, and are expected to continue depending on forecast rainfall.

The gates at Leslie Harrison Dam closed at 4.00pm yesterday, after a minor release was made.

Members of the public seeking information on potential impacts in their local areas should direct inquiries to their local councils.

For recorded information on current dam releases in South East Queensland, members of the public are encouraged to call **1800 613 122**.

Recreation update

While every effort will be made to keep recreational sites open, public safety is paramount and it is possible that some sites may be closed at short notice due to heavy weather.

Therefore, members of the public who are considering recreational activities including camping at South East Queensland dams over the Christmas/New Year period are urged to explore other options – have a plan B.

Currently, Somerset Dam has been re-opened for all water-based recreational activities, however this may change.

Likewise, Wivenhoe Dam has also been re-opened for all water-based recreational activities, however the following recreation sites at Wivenhoe remain closed:

- Hamon Cove
- Captain Logan Camp
- Billies Bay

Atkinson's Crossing at Wivenhoe Dam is currently open however river access is closed.

Lake Maroon is currently closed to swimming and skiing due to recent heavy rainfall however boating and fishing are still currently allowed.

For further information on the Water Grid: www.watergrid.com.au

ENDS

Notes to the editor

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Ph: [REDACTED]

Jade Simmons

Senior Correspondence Officer

SEQ Water Grid Communications Unit

SEQ Water Grid Manager

Phone [REDACTED]

Email: [REDACTED]

Visit: Level 15, 53 Albert Street Brisbane

Post: PO Box 16205, City East QLD 4002

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From: Barry Dennien
Sent: Wednesday, 22 December 2010 2:19 PM
To: Ken Smith; Bradley John
Cc: Lyons Michael; spiller daniel
Subject: RE: Media update - Dam releases
Attachments: Page 1 Factsheet changes.pdf; Page 2 Factsheet changes.pdf

Ken

See attached

Barry


From: Ken Smith
Sent: Wednesday, 22 December 2010 2:10 PM
To: Barry Dennien; John Bradley
Cc: Michael Lyons; Dan Spiller
Subject: RE: Media update - Dam releases

Thanks Barry. Can I get a copy of the fact sheet, albeit I understand it is a draft and will treat it as such.

Regards

Ken Smith
Director-General
Department of the Premier and Cabinet
Phone
Mobile
Email:

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Wivenhoe & Somerset Dams

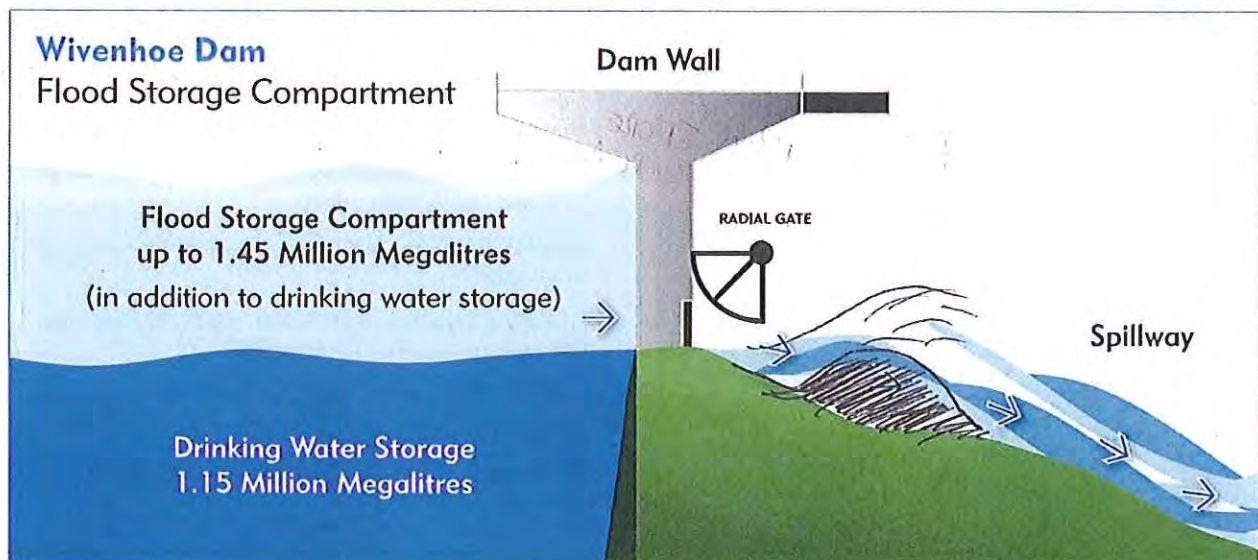
A FEW FACTS

- Wivenhoe Dam was built in response to the 1974 floods, and is an award winning feat of hydrological and structural engineering.
- Somerset Dam was completed in 1959. In the event of heavy rains, Somerset releases water downstream to Wivenhoe when it reaches full capacity.
- On top of storing as much as 1.15 million megalitres of precious drinking water, Wivenhoe can also store an additional 1.45 million megalitres, equal to 2.5 times the volume of Sydney Harbour. The space for this extra water is called the dam's flood storage compartment. Its job is to hold back the flood waters which gather in the Brisbane Valley and which can threaten Brisbane after heavy weather events.
- The flood storage compartment temporarily stores flood waters and releases them at a controlled rate so as to minimise downstream impacts. In other words, there will be much lower flood levels along the Brisbane River in the Ipswich and Brisbane urban areas than would have otherwise occurred without the dam. ✓

- Wivenhoe Dam is able to withstand a flood with a 1 in 100,000 risk of occurring in any one particular year, an extremely rare event.
- In an event similar to January 1974, there would still be a large amount of local flooding in and around Ipswich and Brisbane due to the heavy local rainfall but water levels along the Brisbane River would be reduced due to the mitigating impact of Somerset and Wivenhoe dams.
- If it wasn't for Wivenhoe and Somerset dams, a considerable number of people, their properties and infrastructure could be at even greater risk of serious flood, this makes these dams a crucial component of South East Queensland's flood mitigation plan and something Queenslanders can be proud of.

Blend better
transparent grids
down the page

(Unbalanced)
* Too much content on the back, not enough on the front.



safe

secure

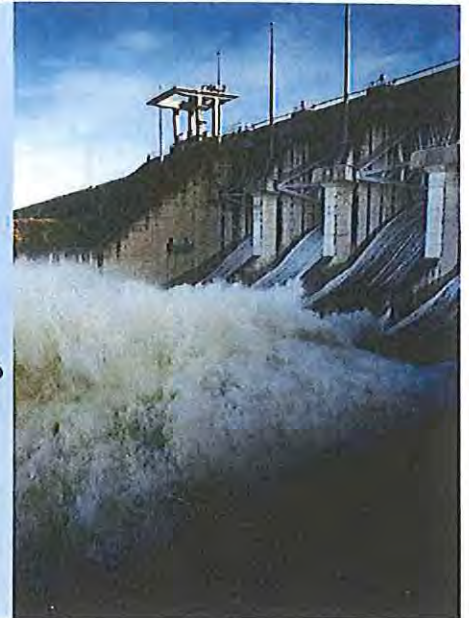
sustainable

www.watergrid.com.au

CONTROLLED RELEASES
CONSIDER.

Spectacular pictures - but why does Wivenhoe have to release stored flood water?

- South East Queensland has a weather pattern that often sees prolonged or multiple rain events in close succession.
- As soon as Wivenhoe's flood storage compartment begins to fill, it has to be carefully emptied. This has to be done in order to make room in case another heavy rainfall event arrives quickly. ~~Before any release from the compartment, the following flood factors are considered:~~ catchment runoff below the dam wall, urban runoff and ~~storm surges~~ ^{large tides}
- Brisbane can still flood from other sources such as rainfall in the catchment below the dam wall, and because Wivenhoe only controls 50% of the Brisbane Catchment.
- A fundamental principle is that all floodwater should be released within seven days. This means the greater the volume received in the flood storage compartment, the greater the discharge required.



How are the releases managed?

Before Wivenhoe begins a controlled emptying of its flood storage compartment, a dedicated 24hour Flood Operations Centre is activated for the specific purpose of managing the possible effects downstream.

The actions of the Flood Operations Centre are guided by a Flood Mitigation Manual. The Queensland State Government, local councils and all emergency services are ~~advised~~ ^{warned} before the water flows so that communities can be warned and take all necessary precautions.

The amount of water being released depends on the level currently inside the flood storage compartment, as well as the amount of incoming flows and flows in downstream tributaries.

Wivenhoe's managers therefore have to decide on how much to let go in order to keep Wivenhoe ready for more rain and safe.

During a major flooding event the Bureau of Meteorology, the Water Grid, Seqwater (Wivenhoe and Somerset Dam operators) and local councils work together to formulate advice and instructions for the public and relevant Emergency Services on how to manage impending localised flooding.



The Bureau of Meteorology, Seqwater and local councils continually monitor rainfalls throughout all South East Queensland catchments during a flood event. The Bureau of Meteorology provides rainfall forecasts for Seqwater's dam operators monitoring the surrounding catchments.

Using this information, a comprehensive network of river height sensors and real time rainfall data across the Wivenhoe catchment, Seqwater is then able to formulate a schedule of controlled dam releases to ensure the safety and integrity of the dam wall is maintained, and maximum protection from flooding in urban areas is achieved.

Based on the Bureau's forecasts and predictions, as well as Seqwater's dam releases, South East Queensland local councils then begin alerting residents to road and bridge closures, as well as advising on the severity and flows of the impending flood event.

The following priorities are considered when determining how much water has to be let go, and how fast:

- ensuring the structural safety of the dam
- providing maximum protection from flooding for urbanised areas
- minimising disruption to rural industries along the Brisbane River and Stanley River valleys
- retaining the storage at Full Supply Level at the conclusion of a flood event
- minimising impacts to riparian flora and fauna during the water release phase of a flood event.

How to prepare for flooding?

In the event of flooding, the Bureau of Meteorology, working together with the Water Grid, bulk water authorities and local councils to ensure minimal impact downstream after any dam releases. For information on local flooding, contact your local council for flood information packs and advice.

safe secure sustainable

www.watergrid.com.au



7 WDW Local Mgr Comm Comm

[REDACTED]

From: Dan Spiller [REDACTED]
Sent: Thursday, 23 December 2010 3:41 PM
To: [REDACTED] Bradley John; Best Debbie;
[REDACTED]
Cc: Dennien Barry [REDACTED] Mike Foster; Rob Drury
Subject: SEQ dam releases: Technical Situation Report
Attachments: Technical Stuation Report W17.docx

All,

For information, this afternoon's:

- Technical Situation Report is attached
- Media update is below.

Please contact me if you require any further information.

Regards,
Dan

23 December 2010 - Afternoon

Media update: Dam releases

As at 3pm today the following water releases are being made: Please note that the release strategy is continually being updated based on weather conditions.

Four of the five gates at Wivenhoe Dam are now closed. One gate is still open as a result of the forecast of increasing rain tomorrow. Around 30 000 megalitres is being released through this gate and it is expected that this will be reassessed tomorrow.

It is expected that Kholo Bridge and Burtons Bridge will be open to traffic this evening. Twin Bridges, Savages Crossing and Colleges Crossing are expected to remain closed until at least Christmas Day. Local councils have been consulted regarding the re-opening of the major downstream crossings.

Members of the public seeking information on potential impacts in their local areas, including road closures, should direct inquiries to their local councils.

The gates at Somerset Dam were closed at around 9am this morning.

Further rainfall and inflows may result in overnight gate openings at North Pine Dam. Council will be consulted ahead any gate openings.

For recorded information on current dam releases in South East Queensland, members of the public are encouraged to call **1800 613 122**.

Recreation update

Wivenhoe and Somerset dams are open for all water-based recreational activities, however this may change at short notice depending on weather.

The following recreation sites at Wivenhoe Dam remain closed:

- Billies Bay
- River access at Atkinsons Crossing

All other recreational sites have reopened however this status could change due to weather.

While every effort will be made to keep recreational sites open, public safety is paramount and it is possible that some sites may be closed at short notice due to poor weather.

Members of the public who are considering recreational activities, including camping, at South East Queensland dams over the Christmas/New Year period are urged to consider alternative arrangements.

PLEASE NOTE: Conditions will be extremely dangerous as flood conditions exist in some areas.

For further information on the Water Grid: www.watergrid.com.au

Daniel Spiller

Director, Operations

SEQ Water Grid Manager

Phone

Email:

Visit: Level 15, 53 Albert Street Brisbane

Post: PO Box 16205, City East QLD 4002

ABN: 14783 317 630

Please consider the environment before printing this email. It takes 10 litres of water to make one sheet of A4 paper.

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TECHNICAL SITUATION REPORT

TSR Number	W17	Date of TSR release	23.12.2010	Time of TSR release	2.30pm
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Seqwater status of inflows and dam operations

Somerset/Wivenhoe Dams

Somerset Dam

Sluice gate operations ceased at 09:00 today with the lake level at 99.10 m AHD. Base flows will result in the lake level rising over the next few days.

Further gate operations may be necessary in coming days if forecast rainfall results in subsequent river rises.

Wivenhoe Dam

Wivenhoe Dam is currently discharging around 350 m³/s with Gate 3 open 3.5 m. The scheduled cessation of gate operations at Wivenhoe Dam has been extended until tomorrow afternoon (Friday 24 December 2010) with a target of 1.00pm as base flows and the overnight rain has meant the lake level has not dropped as quickly as anticipated. The current lake level is 67.23 m AHD.

Continued gate operations may be necessary if forecast rainfall results in subsequent river rises. The gate closure sequence will be reviewed throughout today and discussions with impacted Local Authorities will be ongoing.

Impact of Wivenhoe Dam Releases

The releases from Wivenhoe Dam have resulted in elevated levels in the Brisbane River downstream to Colleges Crossing. Twin Bridges, Savages Crossing, Colleges Crossing, Burtons Bridge and Kholo Bridge are currently all closed due to inundation resulting from these releases. In accordance with the current operational strategy Kholo Bridge and Burtons Bridge should be trafficable by this evening.

Projected "early side" times for bridges becoming clear of water based on the current gate closure sequence and concurrent Lockyer Creek flows are as follows:-

Burtens Bridge – 18:00 Thursday 23 December 2010.

Kholo Bridge – 21:00 Thursday 23 December 2010.

The remaining bridges will most likely remain closed until Christmas Day.

Rainfall

There have been falls of between 10 and 30 mm in the catchments over the last 24 hours. This has led to small rises in the Stanley, Pine, Lockyer and Bremer Rivers. The Lockyer Creek flow is likely to impact the middle-Brisbane River tomorrow and this may prevent the opening of Savages Crossing and Colleges Crossing.

Rainfall across the region is expected to increase up to 06:00 on 25 December 2010 before easing and further heavy rainfall may commence late on 29 December 2010.

Tide levels continue to be monitored closely with peak tide estimates being adjusted by BOM to account for Wivenhoe Dam outflows.

Seqwater Technical Officer name	Robert Drury
Seqwater Technical Officer position title	Dam Operations Manager
0410378740	

BoM assessment

(consisting of references to latest Flood Warning for the Brisbane River and other relevant Bureau forecasts and warnings (e.g. weather/rain forecasts, Tropical Cyclone Warning etc) and other updates/comments if needed)

BoM has been advised.

BoM Technical Officer name	Peter Baddiley
BoM Technical Officer position title	
BoM Technical Officer contact details	

Brisbane City Council (BCC) assessment

(to include predicted local inundation areas and depths of inundation based on the information)

Council has been advised and do not have a problem with the new strategy.

BCC Technical Officer name	Chris Lavin
BCC Technical Officer position title	Disaster Operations Manager
BCC Technical Officer contact details	

Ipswich City Council (ICC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Council has been advised and do not have a problem with the new strategy.

ICC Technical Officer name	Tony Trace
ICC Technical Officer position title	Local Disaster Response Coordinator
ICC Technical Officer contact details	

Somerset Regional Council (SRC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Council has been advised and do not have a problem with the new strategy.

SRC Technical Officer name	Tony Jacobs
SRC Technical Officer position title	Local Disaster Response Coordinator
SRC Technical Officer contact details	

Collated and distributed by (Agency)

Contact Officer signature	
Contact Officer name	Rob Drury
Contact Officer position title	Dam Operations Manager

Next TSR due	Date		Time		or Event	Closure
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Williams Lynette

From: Dan Spiller [REDACTED]
Sent: Friday, 24 December 2010 2:41 PM
To: [REDACTED] Bradley John; Best Debbie; Tim Watts
 [REDACTED] Lance McCallum [REDACTED]
 Geoff Stead [REDACTED]
Cc: Dennien Barry [REDACTED] adcock john [REDACTED] Reilly Bob; Brown Damien;
 [REDACTED] Rob Drury [REDACTED]
Subject: Technical Situation Report and Kholo Bridge damage
Attachments: Technical Stuation Report W19.docx

All,

The Wivenhoe Dam gate closed at 1pm today, with the dam just above FSL. Releases through the value will continue, with ongoing monitoring of inflows. Some more detail is contained in the attached technical report.

We have just been advised by BCC that Kholo Bridge has been severely damaged (I will forward photos seperately). They are preparing Community Service Announcement now claiming this is due to dam releases. The bridge will be unserviceable until early 2011.

We will try to work with BCC officers regarding the wording of the release. For this event, the flows were due to a combination of the gate opening and significant Lockyer Valley flows. Flows have been no more than in October. In October, College's Crossing was damaged with Ipswich City Council making public statements at that time. EMQ dealt with the claims for damages. Seqwater is not liable, provided it made releases in accordance with the management plan.

For information, today's media updates is below. With the gate now closed, we will only issue updates as the situation changes. (Aside from the release to the CM on Monday around the Wivenhoe Dam fact sheet.)

From today, I am A/CEO. Please call on [REDACTED] if you have any queries or require any further information.

Regards,
 Dan

WEEKLY GRID UPDATE FRIDAY 24 DECEMBER 2010

Please note, this will be the last formal update from the Water Grid team until Tuesday 4 January, unless there are significant changes to current operational procedures.

WATER GRID READY FOR HOLIDAY SEASON

Over the last few weeks, Water Grid operators have been managing controlled releases from the region's BIG (Bs key storages to ensure the Grid is prepared for further rains this summer.

Water Grid spokesperson, Barry Dennien, said Brisbane's BIG (Bs key storage, Wivenhoe Dam, has released more than 320,000 megalitres since the gates were opened earlier this month.

~ \$B!H (BWith further rain expected this summer it is important we retain the dam at just below full drinking water supply level for the safety of South East Queensland; \$B!I (B Mr Dennien said.

On top of storing 1.15 million megalitres of drinking water, Wivenhoe Dam can also temporarily store an additional 1.45 million megalitres, equal to 2.5 times the volume of Sydney Harbour.

~ \$B!H (BAlthough this may sound like a large flood buffer, Wivenhoe \$B!G (Bs flood storage compartment can fill in less than three days following heavy rainfall; \$B!I (B Mr Dennien said.

~ \$B!H (BIn fact, following heavy rainfall in October, Wivenhoe Dam received inflows equivalent to almost half the flood compartment capacity in just a few days.

~ \$B!H (BIt is important for the flood storage compartment to be emptied through controlled releases following heavy rainfall and inflows into the dam. As a result of the recent releases, the flood compartment is now empty, ready for any inflows over the holiday season. \$B!I (B

DAM RELEASES

As at 8am today the following water releases are being made: Please note that the release strategy may change according to weather conditions.

One gate at Wivenhoe Dam remains open, releasing a daily average of around 30,000 megalitres.

Kholo Bridge and Burtons Bridge have re-opened to traffic. Twin Bridges, Savages Crossing and Colleges Crossing are currently closed.

Releases from Wivenhoe will continue over the holiday period depending on rainfall and inflows. Releases from other key storages may also occur depending on the weather.

Water Grid representatives have been working closely with councils since the releases from Wivenhoe and other dams began to ensure any likely impacts in surrounding areas were minimised.

Members of the public seeking information on potential impacts in their local areas, including road closures, should direct inquiries to their local councils.

For recorded information on current dam releases in South East Queensland, members of the public are encouraged to call **1800 613 122**.

For information on local flooding, including road closures, contact the local council or visit their website.

The council areas that are affected by Wivenhoe Dam releases are:

- o Somerset Regional Council; 5424 4000; www.somerset.qld.gov.au
- o Ipswich City Council; 3810 6666; www.ipswich.qld.gov.au
- o Brisbane City Council; 3403 8888; www.brisbane.qld.gov.au

WEATHER CONSIDERATIONS FOR CAMPERS

Campers heading to South East Queensland dams are being urged to consider alternative arrangements this holiday season, with further wet weather expected over coming weeks.

Water Grid spokesperson Barry Dennien said every effort will be made to keep recreational sites open, however public safety is paramount.

~ \$B!H (BIt is possible that some sites may be closed at short notice due to heavy weather and we are asking campers to explore other options. \$B!I (B

The region \$B!G (Bs dam operators, Seqwater, are closely monitoring the levels, inflows and releases at all of South East Queensland \$B!G (Bs major dams.

Seqwater is offering a refund to those campers who wish to cancel bookings at Water Grid assets due to raised dam levels and flooding.

Mr Dennien said those campers wishing to continue with their plans are being advised that if lakes rise to unsafe levels, Seqwater rangers will be asking people to leave.

~ \$B!H (BSafety is a top priority for us, and we are asking members of the public to cooperate with all warnings and requests, to ensure everyone is kept safe. \$B!I (B

Wivenhoe and Somerset dams are currently open for all water-based recreational activities, however this may change at short notice depending on weather.

The following recreation sites at Wivenhoe Dam remain closed:

- Billies Bay
- River access at Atkinsons Crossing

All other recreational sites have reopened however this status could change due to weather.

For more information on the status of Water Grid recreation sites visit www.watergrid.com.au

Some camping grounds are fully booked, but if further heavy rainfall is received, it may be necessary for one or more of the campgrounds to close. Please contact the operators of the various camp grounds of information specific to each site.

GRID TWELVE

The current supply capacity of the **Grid Twelve is 100.0 %**, no change from last week. The Grid Twelve makes up nearly 90 % of South East Queensland \$B!G (Bs total water storage volume. See below for further breakdowns:

Dam	Current capacity (%)	Change in capacity on last week (%)	Rainfall (mm over past seven days)
Wivenhoe	100%	No change	93mm
Somerset	100%	No change	111mm
North Pine	97.0%	2.6% \$B"- (B	86mm

Hinze	97.2%	3.6% \$B", (B	73mm
Baroon Pocket	100%	No change	110mm
Leslie Harrison	96.8%	2.5% \$B"- (B	81mm
Ewen Maddock	100%	No change	134mm
Cooloolabin	100%	No change	149mm
Lake Kurwongbah	100%	No change	86mm
Lake MacDonald	100%	No change	109mm
Little Nerang	100%	No change	73mm
Wappa	100%	No change	149mm

The current supply capacity of the **Grid Three 3 (Wivenhoe, Somerset and North Pine)** is **100 %**, no change from last week.

Note: The Grid Twelve and Grid Three % full is calculated by dividing the combined current storage volume of the dams in the group by the combined full storage volume.

DID YOU KNOW?

In times of heavy rainfall, the strategic management of dams is essential to assist in the protection of South East Queensland against flood. In accordance with the requirements of the Water Supply Act 2008, Seqwater, who are part of the Water Grid, maintains a comprehensive Dam Safety Management Program covering its 25 referable dams.

CONTACT DETAILS

Please direct all media enquiries to the Water Grid Communications Unit:

Phone: [REDACTED]
Email: [REDACTED]
Website: www.watergrid.com.au

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TECHNICAL SITUATION REPORT

TSR Number	W19	Date of TSR release	24.12.2010	Time of TSR release	1.30pm
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Seqwater status of inflows and dam operations

Current status but could change based on inflows or rainfall.

Current objectives	<ul style="list-style-type: none"> Monitor the rain overnight and ongoing inflows. 										
Strategy	<ul style="list-style-type: none"> Close gates at Wivenhoe at 1.00pm Wivenhoe continues to release 4,200ML per day through hydro and valves. 										
Key considerations	<table> <tr> <td>Storage levels:</td><td>Just above FSL</td></tr> <tr> <td>Inflows:</td><td>Ongoing base flows</td></tr> <tr> <td>Rainfall:</td><td></td></tr> <tr> <td>Lockyer/Bremer:</td><td>Flows increasing. With further rainfall, may inundate local bridges with further rainfall.</td></tr> <tr> <td>Brisbane River:</td><td>Any minor impact on tides still decreasing.</td></tr> </table>	Storage levels:	Just above FSL	Inflows:	Ongoing base flows	Rainfall:		Lockyer/Bremer:	Flows increasing. With further rainfall, may inundate local bridges with further rainfall.	Brisbane River:	Any minor impact on tides still decreasing.
Storage levels:	Just above FSL										
Inflows:	Ongoing base flows										
Rainfall:											
Lockyer/Bremer:	Flows increasing. With further rainfall, may inundate local bridges with further rainfall.										
Brisbane River:	Any minor impact on tides still decreasing.										

Somerset Dam

Sluice Gate and valve operations have ceased for the time being.

Wivenhoe Dam

Radial Gate operations ceased at 1.00pm.

A regulator and hydro will be opened to release around 4,200ML per day.

The Flood Centre will monitor overnight and consider options tomorrow morning based on inflows and rainfall.

Further gate operations may be necessary in coming days.

Impacts of Wivenhoe Dam Releases

Twin Bridges, Savages Crossing and Colleges Crossing may still be affected by flows from the Lockyer.

Seqwater Technical Officer name	Robert Drury
Seqwater Technical Officer position title	Dam Operations Manager
0410378740	

BoM assessment

(consisting of references to latest Flood Warning for the Brisbane River and other relevant Bureau forecasts and warnings (e.g. weather/rain forecasts, Tropical Cyclone Warning etc) and other updates/comments if needed)

BoM has been advised.

BoM Technical Officer name	Peter Baddiley
BoM Technical Officer position title	
BoM Technical Officer contact details	

Brisbane City Council (BCC) assessment

(to include predicted local inundation areas and depths of inundation based on the information)

Council has been advised and do not have a problem with the new strategy.

BCC Technical Officer name	Chris Lavin
BCC Technical Officer position title	Disaster Operations Manager
BCC Technical Officer contact details	

Ipswich City Council (ICC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Council has been advised and do not have a problem with the new strategy.

ICC Technical Officer name	Tony Trace
ICC Technical Officer position title	Local Disaster Response Coordinator
ICC Technical Officer contact details	

Somerset Regional Council (SRC) assessment (if required)

(to include predicted local inundation areas and depths of inundation based on the information)

Council has been advised and do not have a problem with the new strategy.

SRC Technical Officer name	Tony Jacobs
SRC Technical Officer position title	Local Disaster Response Coordinator
SRC Technical Officer contact details	

Collated and distributed by (Agency)

Contact Officer signature	
Contact Officer name	Rob Drury
Contact Officer position title	Dam Operations Manager

Next TSR due	Date		Time		or Event	Gate opening
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[REDACTED]

From: Dan Spiller [REDACTED]
Sent: Friday, 24 December 2010 2:55 PM
To: Bradley John
Cc: Tim Watts [REDACTED]
Subject: FW: Kholo Bridge release and photos
Attachments: IMG_1431.JPG; IMG_1430.JPG

From: Dan Spiller
Sent: Friday, 24 December 2010 2:41 PM
To: [REDACTED] John Bradley [REDACTED] Debbie Best [REDACTED] Tim Watts [REDACTED] Lance McCallum [REDACTED] Geoff Stead [REDACTED]
Cc: Barry Dennien; John Adcock; [REDACTED] Damien Brown [REDACTED] Rob Drury [REDACTED]
Subject: Kholo Bridge release and photos

All,

Further to previous email, we have just received a copy of the draft release from BCC (see below).
Reference to the bridge is factual.

Barry and I spoke to the CEO of BCC about flood impacts this morning, and I will continue to do so over coming days.

Photos are also attached.

Regards,
Dan

Tidal flooding continues but water levels decreasing

23 December, 2010

Minor tidal flooding again occurred in some areas of Brisbane earlier today due to a higher than usual tide, however water levels are starting to decrease from what was seen earlier in the week as part of the normal tide cycle.

Minor tidal flooding occurred today on roads, parks and bikeways in Albion, Newstead, Windsor, Bowen Hills and East Brisbane.

Roads affected included Waterloo and Ross Street in Newstead, Sandgate Road at Albion, and Windsor's Northey Street.

The roads affected today are expected to experience some tidal flooding tomorrow at high tide, which is due at 12.21pm (Brisbane Bar), and also possibly on Sunday.

Motorists are advised to avoid parking in the areas that may be affected by tidal flooding over the weekend and to be aware that some sections of these roads and bikeways may be closed to vehicles and bikes for a short period during and following the high tide peak.

Residents are also advised that Kholo Bridge on Kholo Road is currently closed due to major flood damage. Repairs will commence next week and the crossing is expected to reopen in the

first week of January. Motorists will need to seek alternative routes while works are undertaken.

To find out where flooding may occur from creeks, rivers and storm tides, download the Flood Flag map for their suburb. These maps are free for download and are available from Council's website at www.brisbane.qld.gov.au/floodwise

For more information, phone Council on 3403 8888.

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From: Ken Smith [REDACTED]
Sent: Friday, 24 December 2010 4:56 PM
To: Bradley John
Subject: Re: latest from BOM re seq
 Jb

Appreciate the update. Be good to see the next iteration from Dan. Thanks

From: Bradley John [REDACTED]
To: Ken Smith
Sent: Fri Dec 24 16:40:19 2010
Subject: latest from BOM re seq

Ken
 Don't treat this as gospel yet as Dan is sending through some advice early evening but....

- Latest BOM advice is (while it will still be raining) it should not be significant rainfall over next 8 days in SEQ.
- This should allow releases in the pattern of recent times.
- Given tides are declining from today onwards, this should see river heights declining over the period, not rising.
- SEQWGM is talking with Colin Jensen this afternoon who will keep us apprised of his (moderate) advice to the Lord Mayor.

Thanks
 John Bradley
 Director-General
 Department of Environment and Resource Management
 Telephone: [REDACTED]
 Email: [REDACTED]
 www.derm.qld.gov.au

Department of Environment and Resource Management
 400 George Street, Brisbane Q 4000
 GPO Box 2454, Brisbane Q 4001

From: Ken Smith [REDACTED]
Sent: Friday, 24 December 2010 3:35 PM
To: Bradley John
Cc: spiller daniel [REDACTED]
Subject: Re: Khoko Bridge release and photos

Thanks for the heads up JB and Dan. Await further bridge rage reports eagerly.

From: Bradley John [REDACTED]
To: Ken Smith
Cc: spiller daniel [REDACTED]
Sent: Fri Dec 24 15:06:15 2010
Subject: FW: Khoko Bridge release and photos

Ken
 There has been major damage to Khoko's bridge as per Dan's email below.
 Council officers originally had a release more blaming Seqwater releases but it has been toned down to the below.
 The bridge outage is more of an inconvenience as I'm told there are other access options for residents.

John Bradley
 Director-General
 Department of Environment and Resource Management
 Telephone: [REDACTED]
 Email: [REDACTED]
 www.derm.qld.gov.au

Department of Environment and Resource Management
 400 George Street, Brisbane Q 4000
 GPO Box 2454, Brisbane Q 4001

From: Dan Spiller [REDACTED]
Sent: Friday, 24 December 2010 2:41 PM
To: [REDACTED] Bradley John; Best Debbie; Tim Watts
 [REDACTED] Lance McCallum
 Geoff Stead [REDACTED]
Cc: Dennien Barry [REDACTED] adcock john [REDACTED] Reilly Bob; Brown Damien;
 [REDACTED] Rob Drury [REDACTED]
Subject: Khoko Bridge release and photos

All,

Further to previous email, we have just received a copy of the draft release from BCC (see below). Reference to the bridge is factual.

Barry and I spoke to the CEO of BCC about flood impacts this morning, and I will continue to do so over coming days.

Photos are also attached.

Regards,
 Dan

Tidal flooding continues but water levels decreasing

23 December, 2010

Minor tidal flooding again occurred in some areas of Brisbane earlier today due to a higher than usual tide, however water levels are starting to decrease from what was seen earlier in the week as part of the normal tide cycle.

Minor tidal flooding occurred today on roads, parks and bikeways in Albion, Newstead, Windsor, Bowen Hills and East Brisbane.

Roads affected included Waterloo and Ross Street in Newstead, Sandgate Road at Albion, and Windsor's Northey Street.

The roads affected today are expected to experience some tidal flooding tomorrow at high tide, which is due at 12.21pm (Brisbane Bar), and also possibly on Sunday.

Motorists are advised to avoid parking in the areas that may be affected by tidal flooding over the weekend and to be aware that some sections of these roads and bikeways may be closed to vehicles and bikes for a short period during and following the high tide peak.

Residents are also advised that Kholo Bridge on Kholo Road is currently closed due to major flood damage. Repairs will commence next week and the crossing is expected to reopen in the first week of January. Motorists will need to seek alternative routes while works are undertaken.

To find out where flooding may occur from creeks, rivers and storm tides, download the Flood Flag map for their suburb. These maps are free for download and are available from Council's website at www.brisbane.qld.gov.au/floodwise

For more information, phone Council on 3403 8888.

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+-----+
Think B4U Print
1 ream of paper = 6% of a tree and 5.4kg CO2 in the atmosphere
3 sheets of A4 paper = 1 litre of water
+-----+

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From: Steven Dunn [REDACTED] on behalf of SDCC [REDACTED]
 Sent: Tuesday, 28 December 2010 5:47 AM
 To: [REDACTED]

Subject: QEMR as at 05:00 Tuesday 28 December 2010

DEPARTMENT OF COMMUNITY SAFETY
Daily Queensland Emergency Management Report
 as at 6:00am Tuesday 28 December 2010

SIGNIFICANT EVENTS

Emergency Alert Campaigns for the following three towns:

- Dalby: Myall Creek may peak 12pm 27 Dec-Concerned residents should evacuate to family friends or Evacuation Centres-Dalby Showground or South School-Call 46626666 for information.
- Alpha: Flood Evacuation Warning from Queensland Police Jordan River rising concerned residents should go to evacuation centre at shire hall. Info phone local police.
- Jericho: Flood Evacuation Warning from Queensland Police Jordan River rising concerned residents should go to evacuation centre at shire hall. Info phone local police.

Evacuations

- Charleville: DDMG Charleville RFA evacuation of residents Torres Park above Augathella (EMO air assets unable to reach Charleville until 0700 28/12/10), DCC Charleville indicated that couple will be collected AM via Helo from Tambo at approx 0430 28/12/10.
- Theodore: The remainder of the hospital patients (10) have been relocated to the RSL Hall. Increasing rises overnight have prompted the initiation of a helicopter evacuation of Theodore to a mining camp at Moura. At 020 the river was 14.24m with BOM predicting a height of 14.43m by 0600. Previous record height was 14.07m. Up to five aircraft are being chartered to carry out the evacuation. Aircraft will begin deploying to Theodore at first light.
- Dalby: 12 Houses evacuated, 4 waiting and should river get to 4m (approx midnight) 100 houses would be impacted. 90 evacuees at Dalby South State School, 34 evacuees at the Dalby Showgrounds. 4WD vehicles can access Dalby airport. Boats are now being used to evacuate housing, so it is expected that the numbers at evacuation centres will continue to grow.
- Chinchilla: A total of 10 houses (i.e. 40 persons) have been evacuated with further evacuations expected. 4WD vehicles can access Chinchilla airport. Boats are now being used to evacuate housing, so it is expected that the numbers at evacuation centres will continue to grow.

WEATHER OBSERVATIONS

Warnings

- Severe Weather Warning: for Flash Flooding For people in the Central Highlands and Coalfields, Wide Bay and Burnett and Capri
- Flood Warnings:
 - Burnett River and Tributaries: Very high flows are arriving in the Mundubbera area tonight from the upper Burnett, Auburn and E
 - Laidley, Lockyer and Warill Creeks and the Bremer River: Moderate to major flooding continues in the Laidley, Lockyer and
 - Baffle Creek and Kolan River: Major flood levels are approaching a peak of about 16.5 metres in Baffle Creek at Mimdale. River
 - Condamine and Balonne Rivers: Further moderate to locally heavy rainfall is forecast for the next 24 hours, with renewed rises
 - Thomson and Barcoo Rivers, and Cooper Creek including Jordan River to Jericho: The Jordan River at Jericho is expected
 - Fitzroy River Basin: Major flood levels continue along the Dawson and Comet Rivers and Mackenzie Rivers. Minor flooding con
 - Warrego River: Heavy rainfall across the Camarvon Range overnight Sunday is causing fast rises and moderate to major floodin
 - Don River: Heavy rainfall over the upper parts of the Don River in the past 12 hours have caused renewed rises with minor floodi
 - Burdekin River Systems including Alpha Creek: At 8pm Monday, Alpha Creek at Alpha was 7.9 metres rising. A major flood p
 - Tully and Murray River: Minor flood levels continue to ease in the Tully River at Euramo, where at 3pm Monday the river level at
 - Moonie River: 24-hour rainfall totals to 9am Monday in excess of 100 mm have fallen over the upper reaches of the Moonie Rive
 - Weir River: 24-hour rainfall totals to 9am Monday in excess of 100 mm have fallen over the upper reaches of the Weir River. Thi
 - Herbert River: Moderate flooding is easing in the upper Herbert River at Gleneagle Homestead. Minor flooding between Nash's C
 - Haughton River: Minor to moderate flooding is easing in the Haughton River between Powerline and Giru. Minor flooding is easi
 - Coastal Rivers - Maryborough to Gold Coast: Since 9am Sunday, rainfall between 100 and 150mm has fallen over the Logan,

Rainfall

- In the period since 09.00am Monday significant rainfall was recorded at:
 - Kingsborough TM (West of Gladstone) 151mm
 - Beckers TM (West of Gladstone) 148mm
 - Rannes TM (West of Gladstone) 140mm
 - Coolmaringa TM (Emerald) 120mm
 - Forbes Road TM (Proserpine) 116mm
 - Dumbleton Rocks Alert (Mackay) 109mm

Weather Outlook

- A trough is moving through the Fraser coast at present and will reach the Capricorn region this afternoon. An upper trough occurs over western Queensland and a weak monsoonal trough occurs over the southern Gulf. A ridge of higher pressure will become established along the southern coast in the wake of the coastal trough.
- Monsoonal showers and storms continuing over the tropics. Early rain easing about eastern districts but redeveloping this afternoon with thunderstorms and some heavy falls. Easing rain over the Burnett, Wide Bay and Sunshine coast. Isolated showers over the remainder of the SE coast and across southern Queensland. Isolated afternoon showers and thunderstorms over the NW, fine in the far west. Moderate to fresh NW winds over most northern areas of the state. Moderate to fresh S/SE winds developing north about the SE coast.

SES 132 500 CALLS

- 2880 calls were made to SES 132 500 in the period since 05.00am Monday:
 - Gold Coast 283 calls
 - Brisbane 240 calls
 - Warwick 189 calls
 - Dalby 135 calls
 - Bundaberg & Burnett 135 calls
 - Logan 130 calls
 - Toowoomba 124 calls

DISASTER MANAGEMENT SYSTEM ACTIVATION STATUS AND KEY ACTIVITIES

- SDCC: Stand Up
- DDMG:
 - Gold Coast Alert
 - Innisfail Alert
 - Logan Alert
 - Redcliffe Alert
 - Brisbane Lean Forward
 - Cairns Lean Forward
 - Charleville Lean Forward
 - Mareeba Lean Forward
 - Rockhampton Lean Forward
 - Townsville Lean Forward
 - Dalby Stand Up
 - Gladstone Stand Up
- LDMGs:
 - Bundaberg Alert
 - Burdekin Alert
 - Charters Towers Alert
 - Gold Coast Alert
 - Hinchinbrook Alert
 - Quilpie Alert
 - Maranoa Alert
 - Moreton Alert
 - North Burnett Alert
 - Townsville Alert
 - Brisbane Lean Forward
 - Fraser Coast Lean Forward
 - Gympie Lean Forward
 - Logan Lean Forward
 - Redlands Lean Forward
 - Rockhampton Lean Forward
 - Scenic Rim Lean Forward
 - South Burnett Lean Forward
 - Sunshine Coast Lean Forward
 - Banana Stand Up
 - Barcaldine Stand Up
 - Murweh Stand Up
 - Western Downs Stand Up



***Definitions**

- Alert – Monitor situation; no action required.
- Lean Forward – on stand by; prepared but not activated.
- Stand up – activated.

MEDIA

- ABC News Online reports: Residents are on evacuation alert in several rural Queensland towns cut off by near record-breaking flood levels, as torrential rain continues to lash the state. The statewide damage bill has passed more than \$600 million and many flood-affected residents believe the worst is still to come. The weather bureau says the areas at greatest risk in the next 24 hours are in the state's south at Chinchilla, Dalby, Warwick, and further north at Theodore and Rockhampton in central Queensland. Authorities have been surprised by the rapid rise of floodwaters at Dalby on the Western Darling Downs, while further west homes and businesses in Chinchilla have water at roof level. The State Emergency Service (SES) says it received 1,800 call-outs across the state on Monday. In Chinchilla, Charleys Creek is expected to peak at 7 metres or above late Monday night and into Tuesday, almost 50 centimetres higher than the 1983 flood. <http://www.abc.net.au/news/stories/2010/12/27/3102400.htm>.
- The Courier Mail reports: Roads, homes and vital infrastructure have been damaged from the Atherton Tableland to the Gold Coast as flood records are broken across the state. Brisbane recorded its wettest December in more than 150 years with 471.8mm dumped until 5pm yesterday, beating the 470mm recorded in 1859. Wivenhoe Dam's five floodgates are expected to be opened today and the Brisbane City Council last night warned residents to prepare for the worst. Localised flooding had closed at least 20 roads throughout the city last night. Several collection points have been established for free council-issued sandbags. Evacuation centres have been set up in several western Queensland towns – including Chinchilla, Theodore, Jericho, Alpha, Mundubbera, Gayndah, Warwick, Killarney and Dalby – with even emergency services struggling to access some communities in the bad weather. Emergency workers began evacuating residents at Dalby last night as Myall Creek rose toward an expected peak of 4m at midnight. About 71 residents also were evacuated at Theodore with authorities to decide this morning whether or not to mandatorily evacuate the remaining 300 residents of the town. Acting Premier Paul Lucas said the rain was set to continue for days. "The big question for all of us is what will happen with the rain. No one can answer that," Mr Lucas said. <http://www.couriermail.com.au/news/features/dalby-theodore-residents-evacuate-as-flooding-grips-much-of-queensland/story-e6frorf-1225976866120>

All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld)

 Emergency Management EMQ Queensland	<h2>Situation Report</h2> State Disaster Coordination Centre	 Queensland Government
Event: Central Coast Flooding December 2010		
Daily SitRep No: 008	Time: 17:00hrs	Date: 31/12/10
Distribution: Minister, Director-General, Executive Director etc		
From: State Disaster Coordination Centre – Kedron Phone: [REDACTED] Facsimile: [REDACTED] Email: [REDACTED]		

THIS SITREP NOW REPORTS VIA REGION / TOWN
 (Changes are highlighted in bold)

1. Statewide Summary

ACTIVATION STATUS*	DISASTER MANAGEMENT GROUPS AND CENTRES
Stand up	SDCC
DDMGs	
Stand up	Gladstone Dalby Rockhampton Bundaberg
Lean Forward	Townsville Charleville
Alert	Cairns Innisfail Mareeba Logan Redcliffe Brisbane
Stand down	
LDMGs	
Alert	Quilpie Maranoa Moreton Logan Gold Coast
Stand up	North Burnett Barcaldine

	Banana Western Downs Chinchilla Bundaberg Lockyer Valley Rockhampton
Lean Forward	South Burnett Fraser Coast Gympie Sunshine Coast Brisbane Redlands Hinčinbrook Townsville Burdokín Charters Towers
Stand Down	Scenic Rim Murweh

***Definitions**

Alert – Monitor situation; no action required.

Lean Forward – on stand by; prepared but not activated.

Stand up – activated.

- The SDCC remains activated to support the Central Coast Flood event.
- Significant Highlights:
 - **Emergency Alert for Dalby asking residents to use water for emergencies only i.e drinking, toilet and showers.**
 - **D-G of DPC as the Chair, State Disaster Management Group issued a direction for Rockhampton and Bundaberg under S46 of the Disaster Management Act suspending normal retail hours for essential items (groceries and essential goods). This will enable these retailers to open for normal trading hours on those days that retail trading is restricted.**
 - **Emergency alert for Emerald issued Thursday evening updating on the expected flood levels**
 - **DPW & TMR have been working with the Toll Group in relation to possible options for continuity of supply to food retail outlets in centres north and west of Rockhampton.**
 - **Emergency alert for Emerald was issued 30.12.10 with expected peak flood levels up to 0.5m above 2008 flood levels**
 - **Emergency alerts for Dalby, Alpha, Jericho and Baralaba with health and safety concerns for the water and advised to boil water.**
 - **Rockhampton and Bundaberg are expected to exceed flood records.**
- **QPS Deputy Commissioner Ian Stewart has been appointed State Disaster Coordinator and will be empowered for 14 days.**
- **The next teleconference will be at 1100hrs on 01.01.11**

2. Declarations/Activations

Disaster Declarations

The Minister for Police, Corrective Services and Emergency Services has approved the following Disaster Declarations:

Disaster District	Date approved
Dalby	28 December 2010
Gladstone	28 December 2010
Longreach (Barcaldine RC)	28 December 2010
Bundaberg	29 December 2010
Rockhampton	29 December 2010
Roma	31 December 2010

Natural Disaster Relief and Recovery Arrangements (NDRRA)

The Minister for Police, Corrective Services and Emergency Services has recently approved the activation of the Natural Disaster Relief and Recovery Arrangements (NDRRA). The area defined for receipt of NDRRA relief measures is *"Communities within Queensland affected by heavy rainfall and associated flooding, November – December 2010"*.

Commonwealth / State Natural Disaster Relief and Recovery Arrangements (NDRRA) have been activated for the following 41 locations as a result of weather events from November to December 2010:

LGA	Counter Disaster Operations	Personal Hardship Assistance Scheme	Restoration of Essential Public Assets	Concessional Loans for Small Business	Concessional Loans for Primary Producers	Freight Subsidies for Primary Producers
Balonne Shire Council	✓		✓	✓	✓	✓
Banana Shire Council	✓	✓	✓	✓	✓	✓
Barcaldine Regional Council	✓	✓	✓	✓	✓	✓
Barcoo Shire Council	✓		✓			
Blackall-Tambo Regional Council	✓		✓	✓	✓	✓
Bulloo Shire Council	✓		✓			
Bundaberg Regional Council	✓	✓	✓	✓	✓	✓
Burdekin Shire Council	✓					

LGA	Counter Disaster Operations	Personal Hardship Assistance Scheme	Restoration of Essential Public Assets	Concessional Loans for Small Business	Concessional Loans for Primary Producers	Freight Subsidies for Primary Producers
Cairns Regional Council	✓		✓			
Cassowary Coast Regional Council	✓		✓			
Central Highlands Regional Council	✓	✓	✓	✓	✓	✓
Charters Towers Regional Council	✓					
Cherbourg Aboriginal Shire Council	✓			✓	✓	✓
Fraser Coast Regional Council	✓		✓			
Gladstone Regional Council	✓		✓	✓	✓	✓
Gold Coast City Council	✓		✓			
Goondiwindi Regional Council	✓		✓	✓	✓	✓
Hinchinbrook Shire Council	✓		✓			
Ipswich City Council	✓					
Isaac Regional Council	✓		✓	✓	✓	✓
Lockyer Valley Regional Council	✓	✓	✓	✓	✓	✓
Logan City Council	✓					
Longreach Regional Council	✓		✓	✓	✓	✓
Mackay Regional Council	✓	✓	✓			
Maranoa Regional Council	✓		✓	✓	✓	✓
Moreton Bay Regional Council	✓		✓			
Murweh Shire Council	✓		✓	✓	✓	✓
North Burnett Regional Council	✓	✓	✓	✓	✓	✓
Paroo Shire Council	✓		✓			
Quilpie Shire Council	✓		✓			
Rockhampton Regional Council	✓		✓	✓	✓	✓

LGA	Counter Disaster Operations	Personal Hardship Assistance Scheme	Restoration of Essential Public Assets	Concessional Loans for Small Business	Concessional Loans for Primary Producers	Freight Subsidies for Primary Producers
Scenic Rim Regional Council	✓		✓	✓	✓	✓
Somerset Regional Council	✓		✓	✓	✓	✓
South Burnett Regional Council	✓		✓	✓	✓	✓
Southern Downs Regional Council	✓	✓	✓	✓	✓	✓
Sunshine Coast Regional Council	✓		✓			
Tablelands Regional Council	✓		✓			
Toowoomba Regional Council	✓	✓	✓	✓	✓	✓
Townsville City Council	✓					
Western Downs Regional Council	✓	✓	✓	✓	✓	✓
Woorabinda Aboriginal Shire Council	✓			✓	✓	✓

3. Regional Reports:

• Central Region

Alpha

- Roads into Alpha remain closed to public however there is now access to emergency services – possibly opening 01.01.11 and water has receded.
- Some residents returned to houses after clean up yesterday.
- 150 people have been evacuated - 5 houses were inundated.
- over 75% of houses in Alpha have had the electricity checks conducted.
- Alpha has no town water however can survive for the next few days with current water supply.

Biloela (Thangool, Jambin, Goovigen & Wowan)

- 11 evacuees are in the Biloela Settlers Motel.
- 3 high dependency and 14 aged care evacuees from Jambin are in Biloela hospital
- Department of Communities members dispatched to Biloela to conduct impact assessments.
- Jambin is isolated by road but this primarily due to damage and not to water ingress with road crews currently tasked to area reporting that road cannot be open at this time due to damage incurred. Advice is that town has 4-5 days food and 3 days milk

& bread. 4 low set houses have been inundated and some residents have self evacuated to QCWA hall or higher residences.

- Goovigen: A local resident contacted to assess the situation and given DCC emergency contact number. Report that township has food for 2-3 days and 1 family self evacuated to Goovigen Hotel due to water rising quickly around their house.
- Wowan has reported that Evacuation Centre with the 11 evacuees has now moved to CWA Hall as issues arose with the septic tank at the Multipurpose Centre (MPC) due to flooding.

Emerald

- 1100 today RAAF C130 Hercules transported a QRFS Flexible Habitat (tentage) to Emerald for use as emergency / temporary accommodation for evacuees.
- Ten (10) QRFS personnel travelled on the C130 to assemble the Habitat.
- Emerald Hospital and nursing home evacuated. Temporary hospital at GP's office has been established.
- Hospital building has not been impacted at this stage.
- 0654 today the Nogoa River appears to have peaked at 16.12m on south side of Emerald. Fairbairn Dam is at 5.47m.
- 500 homes have been evacuated.
- Numbers of evacuees as at 0500 hrs today are:

Evacuation Centre	Registrations	Staying
Agricultural College	202	82
Town Hall	956	206
St Patricks School	102	95
Harvest Life Church		65
Totals	1260	448

- A number of residents have established their own 'tent city' on the north side of town. LDMG tasked to establish numbers and issues.
- One (1) critical patient flown to Brisbane, 5 patients and 1 Nurse to Springsure, 4 patients flown to Blackwater and 2 patients to be evacuated later today – destination TBA.
- 15 aged care patients remain in Emerald.
- Emerging issue is congestion and overloading of the mobile network with large numbers of impacted people using mobile phones and laptop computers. Red Cross are having to ask people to switch off their equipment. Discussions will be held with Telstra today.
- Ergon continues to manage customer connections for safety reasons, cutting off those where inundation creates risk.
- The power substation is expected to be unaffected.
- Central Highlands LDMG concerning a telephone network outage for landlines in the Duaranga area.
- Planning for another two schools to be established as Evacuation Centres.
- 80% of Emerald township is inundated in various degrees.
- Rail between Emerald and Willows closed at 0800 30.12.10.
- No road access although Airport is operational.
- Major Issues/Projected Operations:
 - Planning for large numbers of mandatory evacuations
 - Resupply for Emerald and smaller communities of Springsure, Rolleston and Blackwater.
 - Access and fuel for Blackhawks – Emerald airport has sufficient to Sunday for current tasking, fuel supplies are being sourced.

- On going monitoring will continue regarding resupply of Emerald and Duaringa. Woolworths may have water inundation based on the current increase in predictions and may not be available as a distribution point.
- LDMG to advise re possible timeframes for QFRS Rapid Assessment teams to enter Emerald for recovery purposes. QFRS presently planning to enter Emerald in 5 days time.

Jericho

- Town remains closed to public.
- Electricity checks continuing before returning residents.
- All roads in/out are cut.
- Will need re-supply in the next few days.
- Jericho will have electricity checks conducted of all homes in next few days.

Mundubbera and Gayndah

- Flooding has ceased in Mundubbera and Gayndah due to Burnett River heights falling slowly. Main flood peak has left this area and is heading downstream in the direction of Bundaberg.
- Powerlines in Mundubbera are being restored with no more 20 houses without power.
- Substantial road damage sustained to all roads in Mundubbera area. All bridges required to be inspected by engineers prior to use.
- Water services were expected to be restored to Gayndah this afternoon with mains pressure restored. Gayndah Hospital has 5000 Gallon reserve tank with a back up pump being repaired.
- Power lines have been taken down in flooding in Mundubbera with some outlying Mundubbera properties affected.
- Ergon advise 92 customers off supply but with roads to Mundubbera now open support from Gayndah going in.

Rockhampton

- 4 evacuation centres are located at the Town Hall, Agricultural College, St. Patricks School and Harvest Light Church and are prepared for up to 2000 people.
- Door knocking conducted 30.12.2010 to 2000 homes.
- Evacuations of vulnerable dwellings commenced at 0800 31.12.10.
- Food distribution point established at Heritage Village.
- 30 homes have had power disconnected – no plans to disconnect any further homes.
- Georgeson Oval identified as alternative helicopter landing site if airport is flooded.
- Evacuation centre established at Queensland University Campus with current RFA for 300 beds – this facility can accommodate 600 to 1200.
- 4000 properties impacted with 140 houses inundated and 1000 with inundation to yards.
- Flood Barriers not appropriate for power supply and will possibly be used at airport which is expected to close by sat afternoon or Sunday morning. **Further supplies of flood barriers from Townsville will arrive 01.01.11**
- Central Highlands LDMG, RLDMG and EMQ are continuing to provide media releases and public safety messages for affected communities.
- Current predictions indicate a 9.4+m height for the Fitzroy River. Expecting 9m Sunday morning.

- Highways to south and west will be cut. Highway to north is cut at 9.4m.
- At 9m level:
 - 150 homes with floorboard inundations.
 - 1000 homes with water in yard.
 - 4000 parcels of land.
- Water supply will remain operational until 11 metres.
- Power supply will remain operational until 10 metres.
- Reassessing planning with new levels. Doorknocking and letter box drops are increasing.
- Commenced evacuating Stanley Street to the east
- Continued planning for evacuations and a lengthy period of isolation.
- Resupply will likely be an issue as event unfolds – Gracemere, Alton Downs, Ridgeland.
- The mines which have been granted Transitional Environmental Programs are Fitzroy Catchment: Rolleston, Ensham, Poitrel, South Walker, Isaac Plains, Cook, Callide, Moranbah North, Minerva, Kestral and Carborough Downs.

Theodore, Taroom, Moura and Baralaba

- **The Baralaba Coal Mine has been inundated after the levy banks broke. Reports that there is 110m of water in the mine with significant loss of equipment. Early indications that it will be some 12 months before it can again become operational.**
- **Resupply for QPS staff in Theodore will occur on Sunday 02.01.11**
- **Banana LDCC have reported that no damage assessments have been able to be undertaken as of yet of inundated homes, businesses, roads or bridges or critical infrastructure in Theodore.**
- QPS personnel in Theodore have reported the following with regards to water inundation.
 - Of the 202 hoses 152 have been inundated internally and externally whilst the remaining 50 have only suffered external inundation. Additionally 20 non-residential premises (businesses, school, dental clinic, QAS) have suffered both internal and external inundation whilst another 5 non-residential premises have suffered external inundation.
 - Theodore township evacuations completed 30.12.10 including the removals of pets.
- Theodore Airport – open to rotary wing aircraft only.
- BOM website advises that river heights will remain around current levels for the next 7 days.
- Sewerage Treatment Plant in Theodore has been switched off and plant is isolated by floodwaters and may be partially functioning, however sewer pump stations are expected to be non operational. Some sewage overflows have occurred.
- Water Treatment Plant in Theodore has had the power turned off and is isolated. Water supplies to the reservoir have been replenished.
- Electricity supply being monitored by Ergon Staff – system is progressively shut as water levels rise.
- Taroom reports several evacuations conducted (6 people from 4 houses on the 28 December) and furniture moved to higher ground at properties but no further evacuations since this time. Caltex Service Station is under water. Air operation to assist with resupply conducted by Banana LDCC. Ergon Energy staff have declared Dawson River to be a no-go area for boats due to overhead power lines being in close and dangerous proximity.

- Floodwaters from the Taroom area are expected to prolong major flood levels at Theodore. Major flood waters rising at Baralaba. A level of 15m has been advised and falling slowly. Moura is 12.48m and steady. Baralaba Water Treatment Plant is operational; the river height would need to rise another 2m before problems may arise. Baralaba QPS advised that power is now restored. Estimate 3-5 days food – but will need to confirm on a daily basis. Water has entered the school oval.

Woorabinda

- **Currently has a sustainable water supply. Water supply being sourced and purified from Momosa Creek.**
- **Still no telephone communications.**
- **No issues with power, sewerage or food supply.**
- Sewerage Treatment Plant is operational.
- There are no telephone communications at present, Telstra are attempting to rectify, nil indication of timing for service restoration. People unable to access funds through EFTPOS. Department of Communities working with community to organise funds.
- Police utilizing radio and Satellite phone.

South West Region

Charleville area

- Significant falls in the upper Warrego River catchment is now moving downstream. The river peaked at Augathella last night at 6.55m resulting in the slight inundation of 3 houses on the other side of the river to the levee.
- The Warrego River is expected to peak in Charleville on the weekend at about 6m, well within the levee bank.

Chinchilla and Warra

- **Chinchilla Cultural Centre – 23 evacuations processed and accommodated at local hotels.**
- **13 inundated houses and 25 with external flooding.**
- **5 inundated businesses and 25 with external flooding.**
- **120 customers currently without power. Power is assessed and reconnected as residents return.**
- **Ergon energy expected to reconnect 50 dwellings today.**
- **Water and telecoms are operational.**
- **Major Issues/Projected Operations:**
 - **Fuel rationing occurring to ensure supply for emergency service vehicles.**
 - **Fuel for helicopters and resupply being trucked in today.**
- **Warra power disconnected with Ergon Energy attending today attempt reconnections.**
- **Warra water treatment plant contaminated. Residents advised to boil water. Ergon Energy inspecting plant today.**
- **5 dwellings inundated by flood waters in Warra.**
- **Ergon reports around 114 customers are off supply with 7 transformers de-energised as a precaution. Water treatment plant has been impacted but Ergon assets will be repaired as soon as water recedes.**
- **Chinchilla Airport remains open.**
- **Landlines currently not working at Warra.**

- Chinchilla sewerage system is full and residents have been warned not to enter water.

Condamine

- Condamine completely evacuated to Dalby (82 people) via 2 Army Blackhawk helicopters.
- 4 QPS and 1 SES stationed at Condamine for security.
- Ergon Energy advised that two main generators supplying power to Condamine will be disconnected at some stage due to rising waters.

Dalby

- Dalby Showgrounds evacuation centre has registered 56 evacuees, 18 placed at the centre and 2 placed in motel due to age/ health plus evacuees received from Condamine.
- evacuees received from Condamine on 30/12/10.
- 10 small dogs evacuated from Condamine and staying at centre with owners.
- Power is operational with supply to majority of customers.
- Dalby Water Treatment Plant remains out of action with 2 days supply available.
- Strategies to meet water requirements include trucking in water, accessing bore water supplies, distributing bottled water and level 6 water restrictions.
- Ergon Energy and council working on plant today. Reverse osmosis plant expected to be operational by Sunday afternoon.
- Telecoms fully operational.
 - Airport remains open but Rail line closed at Macalister.
- Numerous resupply requests received yesterday in relation to food and medical items and it more requests expected today.
- 35 dwellings have been cleaned by QFRS and this will continue.
- Evacuation Centre is now at the Dalby Showgrounds with 30 registered evacuees.
- Resident Doctors at Tara and Miles are suffering fatigue and are being relieved by other Doctors who are being who were flown in 30.12.10.
- 1800 mega litre ring tank dam north of Oakey burst yesterday afternoon which is flowing into the Myall Creek..
- Level 6 water restrictions implemented. Emergency Alert campaign has been released to Dalby area advising residents not to drink water due to water contamination caused by flooding. If no other option boil water for three minutes before consuming.
- Once the water has receded it is likely to take a further 7 days to be restored.
- DDCC attending to food resupply to effected properties in Ducklo and Kumbarilla areas.

Roma

- **A Disaster Declaration was issued for Roma Disaster District 31.12.10**
- After receiving additional information on flood heights upstream of Roma the LDMG revised their forecast to an increased flood level of 6.8 to 7.1 metres in Roma. A door knocking / advice to residents in low-lying areas of Roma (McPhie, Edward, Charles, Lovell, George, Edna, Major Streets and Felicity Court and Alexander Avenue) was conducted yesterday (pm), advising them of the revised flood height forecast and to take precautionary measures and consider voluntary evacuations ("lift of shift") if they believed it was required.

Tara

- No unleaded fuel and limited stock of diesel available.
- Two fuel trucks arriving today via Goondiwindi.

- North Coast Region

Bundaberg

- Bundaberg Civic Centre – 47 evacuees.
- Houses impacted – 210 external and 208 internal.
- Businesses impacted – 150 external and 130 internal.
- Telstra advised fibre cable break near Bundaberg has been resolved and a significant number of the services including 3G and GSM services were restored at approx 23:43 EST 30.12.10.
- Burnett River height was at 6.8m at 15.00 and expected to reach 5.5m tomorrow night.
- Burnett Traffic Bridge and the Tallon Bridge are closed to all traffic except emergency services and council vehicles therefore isolating Bundaberg North.
- Temporary emergency services centre set up in North Bundaberg with QAS, QFS and QPS in attendance.
- Regular media releases being conducted advising local residents of bridge closure.
- Specialty shops in Hinkler Shopping Centre located in CBD Bundaberg are closed due to underground car park being completely flooded. Woolworths and Coles are operating at this location.
- Power at Bundaberg City is being load shared due to flooding of substations. Minor power interruptions have occurred as a result.
- Currently 1800 customers in the Bundaberg RC and 215 in the Nth Burnett RC are either without power or have unreliable power.
- Power supply interruption to South Bingera, Pine Creek and Electra, Bundaberg North Bundaberg.
- Ergon are working on issue unknown time of re connection.

• **Transport Conditions**

MSQ – 18:00pm

- All ports are open except Bundaberg which is closed due to debris in the channel.

Major Highway Road Closures as at 17:00hrs 31/12/10 as per TMR.
Further detailed information available from [131940 website](#).

- Bruce Highway - north of Maryborough
- Leichardt Highway - north of Wandoan
- Fitzroy Development Rd - north of Taroom
- Burnett Highway - north of Monto
- Dawson Highway - Calliope to Springsure
- Canarvon Highway - north of Injune
- Warrego Highway - west of Dalby
- Moonee Highway - west of Moonee
- Barwon Highway - west of Goondiwindi

4. **Weather (BOM) (as at 16:15hrs 31.12.10)**
Further details visit www.bom.gov.au

Weather Situation

A ridge along the east coast of Queensland and will begin to relax during Saturday. The monsoon trough will become established again on Saturday through Torres Strait and will then move slowly southwards. An upper trough will move onto the southeast coast during the weekend.

Forecast for Saturday

Scattered showers and thunderstorms in the northwest and tropics, tending to rain in the far north. Scattered showers along the east coast, more isolated in the south. Afternoon showers and thunderstorms about the eastern districts. Fine elsewhere. Light to moderate SE to NE winds, fresh at times near the coast.

Forecast for Sunday

The ridge along the east coast will continue to weaken while the monsoon trough slips southwards over Cape York Peninsula. So further showers, storms and rain areas with moderate to heavy falls will continue over the far north of the state. Showers and storms will occur over the remaining tropics. Scattered showers and local thunder will continue about the southern coast and adjacent inland. Some middle level cloud will possibly produce some very weak rain and local thunder over southern inland border areas. NW winds will occur north of the monsoon trough while light to moderate SE to NE winds will occur elsewhere.

Forecast for Monday

The monsoon trough will nudge further southwards over Cape York Peninsula with further showers, storms and rain areas with moderate to heavy falls continuing over the far north of the state. Showers and storms will occur over much of the remaining tropics. Scattered showers and local thunder will continue about the southern coast and adjacent inland. Isolated showers and thunderstorms will develop across the remaining south-east inland and the southern interior. Winds will freshen along the southern coast as a low develops over the southern Coral Sea.

Forecast for Tuesday

The monsoon trough will extend further southwards over the northern tropics, with further showers, storms and rain areas with moderate to heavy falls continuing over the northern areas of the state. Showers and storms will occur over much of the remaining tropics. Scattered showers and local thunder will continue about the remaining eastern half of the state. Winds will become fresh to strong along the southern coast as a low develops over the southern Coral Sea.

Outlook for Wednesday, Thursday and Friday

The low will move slowly to the south-east during the period allowing winds along the southern coast to ease and shift to the NE to N as a drier S'ly change moves across the south-west of the state during Wednesday and Thursday. The monsoon trough will become established over the far north of the state and will maintain showers, storm and rain areas with some moderate to heavy falls. Showers and thunderstorms will continue over most inland districts as conditions will remain unstable before the wind change. This activity will contract eastwards before the change and become scattered over the southeast on Thursday.

5. Agency Deployments

Queensland Fire and Rescue

Emerald – 10 Flexible Habitat Unit staff deployed to Emerald. Due to depart Amberley Airbase at 1130 hours.

- Emerald - arriving 0800 31/12/10
- 1 x Ops Off)
- 2 x Admin) IMT Support
- 1 x Station Officer)
- 1 x Air Base Manager,
- 2 x Air Base Operations Officers

Biloela - arriving 31/12/10 PM

- 1 x Admin Officer,
- 1 x Ops Officer,
- 1 x Air Base Manager,
- 2 x Air Base Officer

Rockhampton ROCC – arriving PM 31/12/10

- 2 x ROCC Coordinator,
- 4 x Logistics Officers,
- 2 x Special Ops Liaison Officers

Rockhampton ICC - arriving PM 31/12/10

- 1 x Air Base Manager,
- 2 x Air Base Operations Officers,
- 1 x Planning Officer,
- 1 x Logistics Officers,
- 2 x eIAP Operators,
- 2 x FireCom Operators,
- 2 x Admin Officers

Bundaberg

16 personnel Rapid Assessment Team travelling to Bundaberg by road arriving Monday 3rd January 2011

Emergency Management Queensland

- EMQ Representative to deploy 31.12.10 to Rockhampton.
- EMQ Representative to deploy on Monday (03.01.11) to Toowoomba. Central Region – Area Directors to Banana Shire (Theodore), Emerald and Rockhampton.
- EMQ Representative flown to Emerald to assist LDMG.

State Emergency Service

- 2 x coxswains deployed to Dalby.
- 2 from Rockhampton to Theodore on Sunday 26.12.10.
- Up to 140 volunteers (including from Victoria and non-affected Qld regions) are on standby as planning for deployment will take place tomorrow in advance of requests for assistance as water levels drop.

Queensland Ambulance Service

**Gladstone
Tactical Medical Centre**

- 4 x staff

Other Deployments

- 4 x staff from Townsville to go to Emerald on Sunday.
- QAS Special Operations has established a Tactical Medical Centre (portable air conditioned 25 bed facility with three ICU beds) at Gladstone Airport to assist QHealth with clinical coordination and transit capability. This facility will be staffed by a manager, three paramedics, doctors and nurses.

Department of Communities

South West Qld – total 44 department staff

- Coordination Centre: 26
- Warwick: 2
- Dalby 7
- Gatton 2
- Chinchilla 7

Partner Agencies:

Red Cross

- Dalby: 1 staff member + 7 volunteers
- Warwick: 1 staff member + 6 volunteers
- Chinchilla: 2 volunteers

Lifeline

- Dalby: 2 staff
- Warwick: 2 staff
- Gatton: 1 staff member – may increase to 2

Central Queensland – total 21 department staff

Coordination Centre: 8

Moura: 7 department staff + 7 recovery partner staff

Bundaberg: 2

Emerald: 20 ready for deployment when flood waters subside

Biloela: 3

Alpha: 1

Partner Agencies:

Red Cross – 6 staff members and 45 volunteers

- Dalby: 1 staff member + 7 volunteers
- Warwick: 1 staff member + 6 volunteers
- Chinchilla: 2 volunteers
- Emerald: 1 staff member + 20 volunteers
- Moura: 1 staff member + 4 volunteers
- Bundaberg: 6 volunteers

Lifeline – 24 staff

- Dalby: 3 staff

- Chinchilla 2 staff
- Warwick: 2 staff
- Gatton: 1 staff member
- Emerald: 8 staff members
- Moura: 1 staff member
- Bundaberg: 4 staff + 10 on standby
- Lockyer Valley: 1 staff
- Gayndah: 2 staff

6. Agency / Stakeholder Reports

Red Cross

- Red Cross Emergency Services has implemented an Incident Management Team to respond to the current flooding event. We are managing Evacuation Centres in Moura (for evacuated Theodore residents), Emerald, Dalby (including for Condamine residents) and Bundaberg. We are carrying out Recovery in Dalby, Theodore (Moura), Chinchilla and Bundaberg and Outreach in Dalby and Warwick.
- Personnel are currently prepositioning in Rockhampton and increasing response in Emerald and Bundaberg.

Department of Communities

- The Personal Hardship Assistance Scheme (PHAS) under the Natural Disaster Relief and Recovery Arrangements (NDRRA) has been activated for ten (10) Local Government Areas within South West and Central Queensland Department of Communities' regions including:
 - Banana Shire Council
 - Barcaldine Regional Council
 - Bundaberg Regional Council
 - Central Highlands Regional Council
 - Lockyer Valley Regional Council
 - Mackay Regional Council
 - North Burnett Regional Council
 - Southern Downs Regional Council
 - Toowoomba Regional Council
 - Western Downs Regional Council
- The potential closure of Rockhampton Airport will limit the ability of Regional staff to support the recovery effort.
- Fitzroy River anticipated to peak at 9.5 metres. Regional Office could be susceptible to flooding at a river height of 9.0 metres. Contingency planning has commenced to relocate Regional Office operations to the Disability Services' Office.
- Departmental Coordination Centres have been established in Toowoomba, Mackay and Rockhampton.
- A Community Recovery Coordination and Referral Service has been established at the Cultural Centre in Chinchilla.
- Outreach teams are visiting evacuation centres in the following locations to provide support and assistance:
 - Warwick and surrounds
 - Dalby
 - Chinchilla
 - Lockyer Valley

- Outreach is also being planned for the following communities should a need be identified, or as roads become passable:
 - Moonie
 - Miles
 - Grantham
 - Alpha
 - Jericho
 - Gayndah
 - Mundubbera
 - Bundaberg
 - Goodnight Scrub
- Additional outreach may be required to other small communities across affected areas as roads become passable and as information becomes available from local councils and disaster management groups
- Road access across affected areas is restricted. This is impacting on the ability to deploy staff to commence recovery operations. Options including air travel and alternative routes are being explored.

Queensland Heath

Emerald Hospital Status

- Most patients were evacuated last night 30/12/2010.
- Currently in the hospital are:
 - 6 medical patients to be transferred to Springsure and Blackwater
 - 2 maternity patients to be transferred to Mackay
 - 2 others to be transferred to the Wesley (private renal patient) and RBWH
- The fifteen private aged care patients were moved to the Emergency clinic at the Agricultural Centre.
- The Emergency Clinic has one elderly gentleman who has a terminal illness will be airlifted.
- Two medical clinics have been established on higher ground. One at the Agricultural Centre (East) and a new centre established at a GP clinic (West) which has resuscitation and full consultation facility 24/7.
- The full emergency, operating theatres and maternity sections of the hospital remain staffed for emergency presentations.

Rockhampton Hospital Status

- Rockhampton Hospital is not expected to experience any inundation.
- It is anticipated that all hospital services can be sustained during the flood and community based, at home patients have been contacted where possible and ongoing care communication and support services have been arranged.
- Queensland Health Central Pharmacy have advised a potential need for SDCC transport logistics support to resupply Rockhampton Hospital.

Aero-medical update

- There has been an increase of EMS Helicopter services at Rockhampton to 2 x 24/7 utilising Capricorn Helicopter Rescue and EMQ-Helicopter Rescue.
- EMQ will plan to go 24/7 from Saturday. QAS will provide paramedics and Careflight will provide Medical Staff
- Contingency plan when the Rockhampton Airport close is for a aero-medical helicopter to be based at the hospital helipad to transfer patients in and out of the hospital, to re with fixed wing aircraft which will be based at Gladstone Airport.
- Gladstone Airport is the option of choice to stage patients at for aero-medical retrieval/transport south.

Public Health

- Public Health advice being provided to all DDMGs
- EHO deployed to North Burnett to assist health service
- Enhanced public health surveillance for gastrointestinal disease will be established today. Report of 3 persons presenting to Chinchilla Hospital with gastro intestinal disease. Public Health Physician and Environmental Health Officer will follow up to identify sources and mitigation measures.
- Handgel to be supplied to evacuation centres in Rockhampton.
- As water recedes, public health messages will be provided, in coordination with LDMG, to advise community regarding managing public health risks in clean up.

Human Social Health

- Human social services and resources are being prepared in consultation with Health Service Districts and Department of Communities to assist LDMGs in the transition to, and during, the recovery phase of this event.
- The full range of relevant fact sheets are available at:
<http://www.health.qld.gov.au/healthieryou/disaster/default.asp>

Ergon Energy

Southern Region

Wide Bay

- More than 560 properties in inner-city and suburban areas of Bundaberg will remain disconnected until flood levels recede. The properties are concentrated in North Bundaberg and East Bundaberg. There has been very little damage to the network in the city area, so crews will be able to focus on reconnecting customers as soon as it's safe to do so. We have 80-100 staff available over the weekend to begin restoration work as the water recedes. Staff are also available to do testing on the Bundaberg Central substation to put it back into action as soon as possible. They will also be testing 8 padmount transformers and around 150 pillar boxes in subdivisions that have all been inundated.
- Bundaberg town 563 customers remain off supply, 163 because of inundation and the other 400 were taken off supply as a safety precaution due to rising water. However, it is likely that a number of premises within the 442 have now been inundated. 42 customers that were de-energised as a safety precaution have been restored
- In the southern part of the CBD (Hinkler Place) all customers surrounding the shopping centre have been restored, down from 222 at this time yesterday. Within the shopping centre Coles and Woolworths have been unaffected and have continued trading. A 1MVA transformer that supplies the foodcourt and specialty shops is now clear of the floodwater and will be restored this afternoon. K-Mart is supplied by a transformer that is still underwater. They have their own generator, but have been unable to utilise this as their LV switchboard is underwater. Once K-Mart repair their own LV board, they will use their generator until our transformer is able to be placed back on-line.
- In South Bingera 183 remain off supply. This remains the most difficult area of restoration for Wide Bay North. There are multiple sites where faults are present. These include areas where Ergon assets are undamaged, but underwater, and also where there is damage to assets such as transformers washed off poles by floodwater. Crews are currently working from boats to

identify and isolate any areas where faults exist. We will commence restoration to as many customers as possible this afternoon when all faults are isolated.

- The Bundaberg Central substation remains de-energised as a safety precaution as flood waters have entered the grounds. Water has entered the site but there has been no damage to plant and equipment.
- There is no customer impact as supply is being provided from East and West substations.

South West

- Crews are making good progress in restoring power to parts of the Darling Downs where floodwaters are receding. Toowoomba and Dalby crews have restored power today to all 60 properties in Warra that were disconnected earlier in the week. They will go to Chinchilla tomorrow to support local and other Toowoomba crews, who reinstated supply to 18 properties, including some commercial premises, earlier today. They expect to make good inroads tomorrow now floodwaters are receding more quickly. However, crews do not expect to restore power in the evacuated town of Condamine over the long weekend. Meanwhile, crews in St George have begun preparations for expected flooding in the Balonne region in the next fortnight.
- Condamine town - 67 premises have been taken off supply because of inundation. The 33kV line has been de-energised as it is under water, and 3 transformers are also inundated. Currently 21 premises still have supply, but they will more than likely be deenergised when the peak hits at 7pm this evening. The entire town has been evacuated, so no one is in town waiting on restoration. Regarding the 2 feedlots that were impacted by the necessity to proactively disconnect supply to the Condamine Township. We isolated the feeder that goes to Condamine township and restored HV supply to the feedlots. The larger feedlot will be able to remain on supply as there is no river crossing, however supply has been restored to the smaller feedlot for as long as possible, for the owner to prepare feed for the cattle, however we expect to de-energise again tonight because of the rising floodwater (the clearance would be down to 2.5m) and it may stay off for several days. The customer understands the need for the de-energisation.
- Dalby All residential customers have been restored. The water treatment plant is the only customer that remains without supply.
- Chinchilla 187 customers remain without supply. 18 customers who were disconnected due to inundation were restored today, and one transformer disconnected as a precaution has been restored. Of the 187, there are 78 customers without supply due to inundation, and 109 customers de-energised as a safety precaution due to the height of the flood water. For the remaining customers, approximately 60% are now clear of the floodwater and we are working to restore them through this afternoon and again tomorrow morning. One crew from Toowoomba has arrived in Chinchilla to assist.
- Resourcing
Restoration plans for both Chinchilla and Bundaberg are being developed. Supply is being restored where possible, however the majority of work is still being hampered by the floodwaters. 80-100 staff available over the weekend in Bundaberg to begin restoration depending on flood levels.

Central Region

- The Baralaba Mine has been inundated by the Dawson River at Baralaba. Woorabinda has an issue with the water treatment plant, however it is a water issue, not an electricity issue. Supply has been restored to all of Woorabinda.

- Disconnection for safety reasons of houses either inundated by water in Emerald or are anticipated to be inundated in Rockhampton, will increase over the coming days.
- Emerald is still a key area of concern with 398 premises disconnected due to inundation or as a safety precaution. 1200 people have been evacuated from town and while flood water appears to be receding, it's too early for any reconnections. Coles New World Plaza in Emerald is off supply due to inundation. A restoration plan is in place for when the water recedes.
- Rockhampton 40 houses disconnected. Fitzroy River is at 8.2m and is now forecast to reach 9.4m. Local Ergon Energy crews have begun door-knocking in low-lying areas to discuss plans for keeping things safe if major flood levels eventuate. Maps which predict the areas that will have water inundation are being utilised to create an action plan for disconnections required in the coming days.
- Theodore - 202 premises remain off supply due to inundation. Customers have been disconnected until premises can be made safe. All residents have been evacuated. Water levels are expected to continue to rise. Two Ergon Energy staff have been evacuated from the town and we are aware of floodwater in the Theodore depot.
- Moura - 22 customers off supply and Wowan 19 customers remain off due to inundation.
- Rolleston 13 customers remain off supply due to inundation.

National Contact Centre

- With floodwaters headed Rockhampton's way, the National Contact Centre has activated contingency plans to ensure service to customers. Already, about 10 Customer Care Representatives have been cut off from the Rockhampton NCC in Alma Street by rising water. With the swollen Fitzroy River tipped to peak at over 9.4 metres, a large number of local NCC employees may not be able to reach either Alma Street, or the back-up site at Richardson Road. To ensure customer needs are met, and pressure on available resources is managed optimally:
 - Six members of the Rockhampton critical fault shift crew have relocated to Townsville, where they will operate out of the OCC and NCC. The employees, whose homes are not at risk of flooding, have volunteered for the assignment, and have a critical role to play in maintaining the IVR messaging and managing Life Support operations.
 - Energex is on standby to allocate up to 20 fault specialists to Ergon Energy's call capacity, if necessary. SPARQ is also working with the NCC to manage any technology impacts flooding may trigger.
 - The fault queue has been given maximum priority, meaning an incoming fault call will be answered before an incoming general enquiry call.
- A message will be added to the front of the General Enquiries Queue IVR on Tuesday morning advising customers that the large volume of flood-related calls is causing delays in answering general enquiries, and requesting that, unless the matter is urgent, they ring back in a few days.
- Credit management issues have been put on hold, and any time-to-pay enquiries will be diverted to Revenue Operations' credit management team from Tuesday, alleviating some of the general enquiries load.

Department of Public Works

- As road openings permit, QBuild damage assessment teams have begun to be mobilised throughout flood impacted areas to provide a better understanding of damage to state government built infrastructure. Teams of personnel are being readied for deployment as roads become trafficable and buildings become exposed from floodwaters.
- QBuild have coordinated the establishment of ablution and other services at the Emerald Evacuation Centre. A number of portable showers were also being transported into the Emerald by QBuild.
- 1,000 inflatable mattresses and a suitable number of pumps have been air freighted into Emerald from Brisbane. The mattresses have been supplied on a consignment basis by BigW and subject to being returned unused and in good condition will be accepted back with a credit provided against the initial invoice cost. Proper management of the resources will significantly reduce the final cost of the bedding to government. Subject to the final outcome and assessment of need at Emerald some of these resources could be redeployed to Rockhampton.
- QBuild has identified electrical contractors within the Longreach/Barcaldine Region who could work with Ergon on the reconnection of power to affected homes in both Alpha and Jericho. 5 contractors are located in Longreach, 3 are based in Barcaldine and another 2 work out of Blackall to the southwest of Alpha/Jericho. Roads cuts in these areas may necessitate transport assistance for the contractors. QBuild also has 2 electricians who are based in Rockhampton and are available for deployment subject to unavailability of local tradespersons. QBuild maintains a large number of electricians who can be deployed out of SEQ to assist in flood impacted regions over coming days. QBuild is coordinating the development of a list of electricians who hold appropriate qualifications for working with Ergon on pre inspections for reconnects at residences at all of the centres impacted by floodwaters
- Arrangements have been made for the supply of approx 80 inflatable mattresses/pumps to Bundaberg eta QBuild's Burnett Regional Office at 0900 hrs Thursday 30 Dec. QBuild have also coordinated the supply of an additional 300 mattresses and pumps from the local BigW outlet. Other bedding materials i.e. sheets and blankets etc are being sourced through QHealth. Again any excess bedding could be re-deployed to Rockhampton
- DPW (SDS) is sourcing potential commercial suppliers of bulk quantities of bottled water (@600ml bottles) for deployment to flood affected communities over coming days. Advice has been received that commercial providers can deliver approximately 100,000 litres or 166,000 units of bottled water per day. No requests have been received in relation to prepositioning of bulk quantities of bottled water.
- QFleet have been requested to provide 10 vehicles in support of disaster response/recovery operations in the Darling Downs region. Agencies seem to be limiting requests to 4wd vehicles which are in short supply. It is strongly suggested that wherever practicable agencies should make use of normal sedans where possible and leave the 4wd's to those who need to work in off road conditions.

7. 132 500 (Tasks) Statistics (period 1600 30.12.10 to 1600 31.12.10)

Region	Calls Answered
Far Northern Region	
	5
Northern Region	
	9
Central Region	
	485
North Coast Region	
	76
Brisbane Region	
	61
South East Region	
	15
South West Region	
	42
Unknown origin	
	116
TOTAL	809

* Outstanding tasks have been recorded in RFA Online but are yet to be allocated or completed

8. SITREP AUTHORISATION

Prepared by:	Intelligence Cell	Signed:	Date/ Time: 19:42 31.12.10
Prepared by:	QPS Liaison Officer	Signed:	Date/ Time: 19:43 31.12.10
Approved by:	State Operations Coordinator	Signed:	Date/ Time: 20:24 31.12.10

The Queensland Emergency Management Report (QEMR) update will be issued at 0500 hours, Saturday 1 January 2011.

The next SDCC situation report will be issued at 1700 hours, Friday Saturday 1 January 2011.