

**In the matter of the *Commissions of Inquiry Act 1950*
Commissions of Inquiry Order (No.1) 2011
Queensland Floods Commission of Inquiry**

**Second Witness Statement of Peter Baddiley
Annexure “PB2-8(03)”**

FLDWARN for the Mulgrave Russell Rivers

1 December 2010 to 31 January 2011

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 11:05 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Some moderate to heavy rain tonight is causing renewed river rises in the Russell-Mulgrave Rivers and nearby coastal streams. Although river levels are currently only around minor flood level or below, with the forecast heavy rains, continued river rises to possible moderate flood levels are likely during Saturday. Some localised and flash flooding is expected to continue throughout the area tonight and Saturday.

Further north, river levels in the Barron River system around Mareeba and Cairns are well below minor flood levels tonight. Some rises towards minor to moderate flood levels may be experienced during Saturday, but this will require more intense rains to commence in the Barron catchment. Warnings for the Barron River will commence if this occurs.

Next Issue:

The next warning will be issued at about 7am Saturday or earlier if required.

Latest River Heights:

Mulgrave R at The Fisheries #	3.5m steady	10:32 PM FRI 24/12/10
Mulgrave R at Peets Bridge #	4.85m rising	10:42 PM FRI 24/12/10
Mulgrave R at Gordonvale #	11.06m rising	10:49 PM FRI 24/12/10
Russell R at Clyde Rd #	0.51m steady	09:32 PM FRI 24/12/10

Warnings and River Height Bulletins are available at
<http://www.bom.gov.au/hydro/flood/qld> . Flood Warnings are also available on telephone 1300 659 219 at a low call cost of 27.5 cents, more from mobile, public and satellite phones.

TO::BOM602

IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 6:13 AM on Saturday the 25th of December 2010

by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with TC Tasha has resulted in fast river level rises in the last few hours along the Russell and Mulgrave Rivers.

MULGRAVE RIVER

Major flood levels are likely at Fisheries this morning and moderate flood levels are forecast at Peets Bridge. At Gordonvale, a level in excess of 13 metres is forecast during today with further rises occurring. Major flood levels are possible at Gordonvale as rainfall continues.

RUSSELL RIVER

Moderate flood levels are of at least 7.5 metres predicted for Bucklands today. Moderate flood levels are expected at Clyde Road. Further rises will occur as rainfall continues.

Further north, river levels in the Barron River system around Mareeba and Cairns are below minor flood levels. Some rises towards minor to moderate flood levels may be experienced during Saturday, but this will require more intense rains to fall in the Barron catchment. Warnings for the Barron River will commence if this occurs.

Next Issue:

The next warning will be issued at about 11am Saturday or earlier if required.

Latest River Heights:

Mulgrave R at The Fisheries #	6.3m rising	05:51 AM SAT 25/12/10
Mulgrave R at Peets Bridge *	5.75m rising	05:30 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	6m rising	05:51 AM SAT 25/12/10
Mulgrave R at Gordonvale #	12.26m rising	05:50 AM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	3.08m rising	05:40 AM SAT 25/12/10
Russell R at Bucklands *	6.49m rising	05:40 AM SAT 25/12/10
Russell R at Clyde Rd#	0.81m steady	05:49 AM SAT 25/12/10

*automatic station

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IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS

Issued at 8:18 AM on Saturday the 25th of December 2010

by the Bureau of Meteorology, Brisbane.

Heavy rainfall is easing in the Russell and Mulgrave Rivers. Fast river rises to major flood levels have been recorded but are expected to peak within the next few hours at Gordonvale and upstream.

MULGRAVE RIVER

Major flood levels are expected to peak during the next couple of hours at The Fisheries crossing and Peets Bridge. At Gordonvale, a major flood peak of about 15.5 metres is expected before midday Saturday. This level is similar to the March 2008 flood.

RUSSELL RIVER

Moderate flood levels are of about 7.5 metres are predicted for Bucklands today. Moderate flooding is expected to continue downstream at Clyde Road until Sunday.

BARRON RIVER

River levels in the Barron River system around Mareeba and Cairns are expected to remain below minor flood levels during Saturday.

Predicted River Heights/Flows:

Gordonvale peak of about 15.5 metres is expected before midday Saturday
Bucklands peak of about 7.5 metres during Saturday

Next Issue:

The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	9.0 m rising	08:00 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	8.95m rising	08:00 AM SAT 25/12/10
Mulgrave R at Gordonvale #	14.11m rising	08:00 AM SAT 25/12/10
Russell R at Bucklands *	6.54m rising	05:50 AM SAT 25/12/10
Babinda Ck at The Boulders *	6.03m rising	05:50 AM SAT 25/12/10
Russell R at Clyde Rd#	0.91m rising	07:00 AM SAT 25/12/10

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 10:02 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has eased in the Russell and Mulgrave Rivers. Fast river rises to major flood levels have been recorded but are expected to peak within the next few hours at Gordonvale and upstream.

MULGRAVE RIVER

Major flood levels have just peaked in the past 2 hours at The Fisheries crossing and Peets Bridge. Higher than expected levels are being recorded

downstream at Gordonvale, but it is expected to peak quickly during the next couple of hours. At Gordonvale, a major flood peak of about 16.5 metres is expected before midday Saturday. This level is about one metre higher than the March 2008 flood and highest level since 1977.

RUSSELL RIVER

Moderate flood levels are of about 7.5 metres are predicted for Bucklands today. Moderate flooding is expected to continue downstream at Clyde Road until Sunday.

BARRON RIVER

River levels in the Barron River system around Mareeba and Cairns are expected to remain below minor flood levels during Saturday.

Predicted River Heights/Flows:

Gordonvale peak of about 16.5 metres is expected before midday Saturday
Bucklands peak of about 7.5 metres during Saturday

Next Issue:

The next warning will be issued at about 1pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	6.15m falling	09:52 AM SAT 25/12/10
Mulgrave R at Peets Bridge #	9.7m steady	09:52 AM SAT 25/12/10
Mulgrave R at Gordonvale #	16.31m rising	09:50 AM SAT 25/12/10
Russell R at Bucklands *	7.23m rising	08:20 AM SAT 25/12/10
Russell R at Clyde Rd#	1.06m rising	09:31 AM SAT 25/12/10

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IDQ20712

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 1:33 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Major flooding is easing on the Mulgrave River at Gordonvale following a peak recorded during Saturday morning. Minor to moderate flood levels are generally falling elsewhere in the Mulgrave and Russell Rivers.

River levels in the Barron River system around Mareeba and Cairns are expected to continue to remain below minor flood levels during Saturday.

MULGRAVE RIVER:

Minor to moderate flooding is easing during Saturday afternoon between The Fisheries and Peets Bridge. Major flood levels are also easing at Gordonvale where a major flood peak to 16.37 metres was recorded at about 10:30am Saturday.

At 1pm Saturday, the river level at Gordonvale was 15.31 metres and falling.

RUSSELL RIVER:

Moderate flood levels remain at a peak of 7.85 metres at Bucklands with river levels expected to commence to ease during Saturday afternoon. Moderate flooding downstream at Clyde Road is expected to remain high until Sunday, where at 1pm Saturday river levels remain about 1.1 metres above the level of the bridge.

Next Issue:

The next warning will be issued at about 5.30pm Saturday.

Latest River Heights:

Mulgrave R at The Fisheries #	3.65m falling	12:55 PM SAT 25/12/10
Mulgrave R at Peets Bridge #	7.2m falling	01:09 PM SAT 25/12/10
Mulgrave R at Gordonvale #	15.31m falling	01:07 PM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	3.54m rising	11:40 AM SAT 25/12/10
Russell R at Bucklands *	7.85m falling	11:30 AM SAT 25/12/10
Babinda Ck at The Boulders *	2.61m falling	09:20 AM SAT 25/12/10
Russell R at Clyde Rd#	1.11m falling	11:40 AM SAT 25/12/10

Gwynne Ck at Schoorls *	3.02m rising	08:10 AM SAT 25/12/10
Leslie Ck at Leslie Ck *	3.75m rising	12:00 PM SAT 25/12/10
Barron R at Goonara Creek *	8.28m steady	12:00 PM SAT 25/12/10
Barron R at Picnic Crossing *	3.19m rising	08:20 AM SAT 25/12/10
Mazlin Ck at Rail Bridge *	3.19m falling	12:10 PM SAT 25/12/10
Barron R at Tinaroo Dam #	-0.51m rising	01:29 PM SAT 25/12/10
Barron R at Mareeba #	3.33m falling	01:22 PM SAT 25/12/10
Barron R at Bilwon #	4.81m steady	01:21 PM SAT 25/12/10
Clohesy R at Bolton Road #	2.43m falling	01:26 PM SAT 25/12/10
Flaggy Ck at Flaggy Ck #	2.76m rising	12:18 PM SAT 25/12/10
Barron R at Myola #	3.41m falling	01:25 PM SAT 25/12/10
Barron R at L Placid #	8.12m steady	11:54 AM SAT 25/12/10
Barron R at Kamerunga Br #	2.19m falling	01:25 PM SAT 25/12/10
Freshwater Ck at Copperlode Dam #	0.39m steady	11:07 AM SAT 25/12/10
Freshwater Ck at Redlynch #	2.46m falling	12:57 PM SAT 25/12/10
Barron R at Cairns Airport #	1.43m falling	01:23 PM SAT 25/12/10
Cairns Harbour tide *	2.96m steady	01:20 PM SAT 25/12/10
Hills Ck at Hamilton Rd *	1.55m rising	09:20 AM SAT 25/12/10

*,# denotes automatic station.

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IDQ20712

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE RUSSELL-MULGRAVE RIVERS AND ADJACENT COASTAL STREAMS
Issued at 5:18 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues to ease along the Mulgrave River, with

moderate flooding also easing on the Russell River at Bucklands. River levels in the Barron River system around Mareeba and Cairns are expected to continue to remain below minor flood levels overnight Saturday.

The situation will continue to be monitored and warnings will re-commence if necessary.

MULGRAVE RIVER:

Minor flooding continues to ease between The Fisheries and Peets Bridge, with moderate flood levels also easing at Gordonvale. At 5pm Saturday, the river level at Gordonvale was 13.46 metres and falling, which is about 0.58 metres below the level of old Bruce Highway bridge.

RUSSELL RIVER:

Moderate flooding has commenced to slowly ease at Bucklands, with moderate flood levels downstream at Clyde Road expected to remain high overnight Saturday, and then commence to ease during Sunday morning.

Next Issue:

This is the final warning. River Height Bulletins will continue to be issued.

Latest River Heights:

Mulgrave R at The Fisheries #	3.1m falling	04:48 PM SAT 25/12/10
Mulgrave R at Peets Bridge #	5.2m falling	04:59 PM SAT 25/12/10
Mulgrave R at Gordonvale #	13.46m falling	05:04 PM SAT 25/12/10
Simmonds Ck at Kamma Pine Rd *	2.95m falling	02:40 PM SAT 25/12/10
Russell R at Bucklands *	7.75m falling	02:40 PM SAT 25/12/10
Russell R at Clyde Rd#	1.11m falling	05:05 PM SAT 25/12/10

*,# denotes automatic station.

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