

**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(11)”**

FLDWARN for the Pioneer River

1 December 2010 to 31 January 2011

TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 11:55 PM on Thursday the 2nd of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall this evening has led to fast rises along Cattle Creek and the Pioneer River. Minor flood levels are occurring at Finch Hatton and are forecast at Mirani Weir. Minor flood levels are possible at Hospital Bridge early tomorrow. At this stage, river levels at Forgan Bridge are expected to remain below minor. Further rainfall is forecast overnight and higher levels are possible as rainfall continues.

Next Issue:

The next warning will be issued by 7:30am on Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.49m rising	09:05 PM THU 02/12/10
Teemburra Ck at Teemburra Dam #	0.84m rising	11:32 PM THU 02/12/10
Blacks Ck at Whiteford's *	3.48m steady	10:25 PM THU 02/12/10
Blacks Ck at Whiteford's #	3.54m rising	11:34 PM THU 02/12/10
Pioneer R at Sarich's *	4.23m rising	08:50 PM THU 02/12/10
Pioneer R at Sarich's #	4.99m rising	11:41 PM THU 02/12/10
Finch Hatton Ck at Dam Site *	2.56m rising	08:50 PM THU 02/12/10
Cattle Ck at Finch Hatton #	3.3m falling	11:28 PM THU 02/12/10
Cattle Ck at Finch Hatton *	3.25m falling	11:30 PM THU 02/12/10
Cattle Ck at Frank Neilsen Br *	4.7m rising	10:20 PM THU 02/12/10
Cattle Ck d/s Frank Neilsen Br #	6.4m rising	11:41 PM THU 02/12/10
Pioneer R at Mirani Weir HW *	47.05m rising	09:10 PM THU 02/12/10
Pioneer R at Mirani Weir TW *	4.75m rising	10:25 PM THU 02/12/10
Pioneer R at Mirani Weir TW #	6.16m rising	11:42 PM THU 02/12/10
Pioneer R at Dumbleton Rocks *	16.01m rising	11:40 PM THU 02/12/10
Pioneer R at Dumbleton Rocks #	16.1m rising	11:39 PM THU 02/12/10
Pioneer R at Dumbleton Weir T/W *	10.07m rising	11:40 PM THU 02/12/10
Pioneer R at Hospital Br #	4.82m falling	11:12 PM THU 02/12/10
Pioneer R at Mackay #	3.5m falling	11:40 PM THU 02/12/10
Goosepond Ck at Gooseponds #	5.37m rising	11:29 PM THU 02/12/10
Outer Harbour tide*	3.28m falling	11:00 PM THU 02/12/10
Outer Harbour tide#	2.51m falling	11:43 PM THU 02/12/10
Dalrymple Bay tide *	3.76m falling	10:50 PM THU 02/12/10

*automatic station

Warnings and River Height Bulletins are available at
<http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 5:32 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Moderate flood levels have been observed overnight at Mirani Weir. Minor flood levels are occurring at Hospital Bridge. Pioneer River levels at Forgan Bridge may reach the minor flood level of 7 metres with the high tide this morning around 9am before receding.

Next Issue:

The next warning will be issued by 9am on Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.81m rising	02:15 AM FRI	03/12/10
Teemburra Ck at Teemburra Dam #	0.94m rising	01:10 AM FRI	03/12/10
Blacks Ck at Whiteford's *	6.31m falling	04:30 AM FRI	03/12/10
Blacks Ck at Whiteford's #	5.99m falling	05:22 AM FRI	03/12/10
Pioneer R at Sarich's *	9.18m falling	04:30 AM FRI	03/12/10
Pioneer R at Sarich's #	9.04m falling	05:21 AM FRI	03/12/10
Finch Hatton Ck at Dam Site *	2.27m falling	04:00 AM FRI	03/12/10
Cattle Ck at Finch Hatton #	2.55m falling	05:00 AM FRI	03/12/10
Cattle Ck at Finch Hatton *	2.55m falling	04:40 AM FRI	03/12/10
Cattle Ck at Frank Neilsen Br *	4.42m falling	04:40 AM FRI	03/12/10
Cattle Ck d/s Frank Neilsen Br #	4.3m falling	05:21 AM FRI	03/12/10
Pioneer R at Mirani Weir HW *	50.05m falling	04:40 AM FRI	03/12/10
Pioneer R at Mirani Weir TW *	9.4m rising	04:30 AM FRI	03/12/10
Pioneer R at Mirani Weir TW #	9.16m falling	05:18 AM FRI	03/12/10
Pioneer R at Dumbleton Rocks *	18.23m rising	04:40 AM FRI	03/12/10
Pioneer R at Dumbleton Rocks #	18.55m rising	05:11 AM FRI	03/12/10
Pioneer R at Dumbleton Weir T/W *	13.12m rising	04:40 AM FRI	03/12/10
Pioneer R at Hospital Br #	7.27m falling	05:21 AM FRI	03/12/10
Pioneer R at Mackay #	4.95m rising	05:21 AM FRI	03/12/10
Goosepond Ck at Gooseponds #	5.17m falling	05:17 AM FRI	03/12/10
Outer Harbour tide*	1.24m rising	04:00 AM FRI	03/12/10
Outer Harbour tide#	2.71m rising	05:21 AM FRI	03/12/10
Dalrymple Bay tide *	1.32m rising	03:50 AM FRI	03/12/10
Sandy Ck at Homebush*	6.69m steady	04:23 AM FRI	03/12/10

*automatic station

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<http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER
Issued at 9:18 AM on Friday the 3rd of December 2010
by the Bureau of Meteorology, Brisbane.

Minor flood levels are continuing at Hospital Bridge. Pioneer River levels at Forgan Bridge are expected to peak below minor flood level at around 6.4 metres.

Next Issue:

This is the final warning. The situation will continue to be monitored and warnings issued if required.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.8m falling	07:45 AM FRI 03/12/10
Teemburra Ck at Teemburra Dam #	0.94m steady	09:06 AM FRI 03/12/10
Blacks Ck at Whiteford's *	4.88m falling	07:30 AM FRI 03/12/10
Blacks Ck at Whiteford's #	4.49m falling	08:30 AM FRI 03/12/10
Pioneer R at Sarich's *	6.9m falling	08:40 AM FRI 03/12/10
Pioneer R at Sarich's #	6.59m falling	09:01 AM FRI 03/12/10
Finch Hatton Ck at Dam Site *	2.11m falling	08:00 AM FRI 03/12/10
Cattle Ck at Finch Hatton #	2.4m rising	08:48 AM FRI 03/12/10
Cattle Ck at Finch Hatton *	2.32m falling	08:20 AM FRI 03/12/10
Cattle Ck at Frank Neilsen Br *	3.45m falling	07:30 AM FRI 03/12/10
Cattle Ck d/s Frank Neilsen Br #	3.6m falling	08:59 AM FRI 03/12/10
Pioneer R at Mirani Weir HW *	48.69m falling	08:45 AM FRI 03/12/10
Pioneer R at Mirani Weir TW *	7.2m falling	08:40 AM FRI 03/12/10
Pioneer R at Mirani Weir TW #	6.91m falling	09:04 AM FRI 03/12/10
Pioneer R at Dumbleton Rocks *	18.21m falling	08:20 AM FRI 03/12/10
Pioneer R at Dumbleton Rocks #	18.3m falling	08:50 AM FRI 03/12/10
Pioneer R at Dumbleton Weir T/W *	13.05m falling	08:20 AM FRI 03/12/10
Pioneer R at Hospital Br #	7.87m rising	09:05 AM FRI 03/12/10
Pioneer R at Mackay #	6.25m rising	08:55 AM FRI 03/12/10
Goosepond Ck at Gooseponds #	5.47m rising	08:35 AM FRI 03/12/10
Outer Harbour tide*	5.56m rising	08:00 AM FRI 03/12/10
Outer Harbour tide#	5.81m rising	08:53 AM FRI 03/12/10
Dalrymple Bay tide *	5.89m rising	07:50 AM FRI 03/12/10
Sandy Ck at Homebush*	8.02m rising	07:27 AM FRI 03/12/10

*automatic station

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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 12:07 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall this evening has resulted in fast rising river levels in the Pioneer catchment and major flood levels at Finch Hatton. Heavy rainfall is forecast to continue overnight. At this stage, minor flood levels are predicted in the Mirani area and at Hospital Bridge. Levels of above 6 metres are likely at Forgan Bridge with the high tide on Friday. Higher levels are likely as rainfall continues.

Next Issue:

The next warning will be issued by 8am Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.13m	steady	06:00	PM	THU	23/12/10
Teemburra Ck at Teemburra Dam #	0.24m	steady	09:05	PM	THU	23/12/10
Blacks Ck at Whiteford's *	1.5m	steady	10:00	PM	THU	23/12/10
Blacks Ck at Whiteford's #	1.49m	steady	11:08	PM	THU	23/12/10
Pioneer R at Sarich's *	2.03m	steady	08:00	PM	THU	23/12/10
Pioneer R at Sarich's #	2.04m	steady	08:45	PM	THU	23/12/10
Finch Hatton Ck at Dam Site *	3.33m	falling	09:00	PM	THU	23/12/10
Cattle Ck at Finch Hatton #	4.65m	rising	11:33	PM	THU	23/12/10
Cattle Ck at Finch Hatton *	3.29m	rising	08:40	PM	THU	23/12/10
Cattle Ck at Frank Neilsen Br *	4.4m	rising	10:10	PM	THU	23/12/10
Cattle Ck d/s Frank Neilsen Br #	5.05m	rising	11:32	PM	THU	23/12/10
Pioneer R at Mirani Weir HW *	46.18m	rising	09:10	PM	THU	23/12/10
Pioneer R at Mirani Weir TW *	3.23m	steady	10:21	PM	THU	23/12/10
Pioneer R at Mirani Weir TW #	3.96m	rising	11:29	PM	THU	23/12/10
Pioneer R at Dumbleton Rocks *	14.97m	steady	08:30	PM	THU	23/12/10
Pioneer R at Dumbleton Rocks #	14.9m	rising	11:36	PM	THU	23/12/10
Pioneer R at Dumbleton Weir T/W *	8.01m	falling	08:30	PM	THU	23/12/10
Pioneer R at Hospital Br #	4.67m	rising	11:34	PM	THU	23/12/10
Pioneer R at Mackay #	4.6m	rising	11:36	PM	THU	23/12/10
Goosepond Ck at Gooseponds #	4.77m	rising	11:09	PM	THU	23/12/10
Outer Harbour tide*	4.17m	falling	11:00	PM	THU	23/12/10
Outer Harbour tide#	4.51m	rising	11:37	PM	THU	23/12/10
Dalrymple Bay tide *	4.68m	rising	11:00	PM	THU	23/12/10

*automatic station

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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 5:32 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Very heavy rainfall overnight have caused minor flooding in Cattle Creek and in the Pioneer River at Mirani Weir. Minor flooding is expected to develop downstream to Dumbleton Rocks, with some minor flooding to occur in the Mackay area with the high tide at about 1pm today.

The heaviest rainfall totals recorded since 9am Thursday include Clarke Range 335mm, Eungella 229mm, Finch Hatton 135mm, with 50-100mm elsewhere across the upper Pioneer catchment and less than 50mm in the Mackay area.

Minor flooding is easing at Finch Hatton and at the Frank Neilsen Bridge on Cattle Creek, with rises and minor flooding occurring in the Pioneer River at Mirani Weir. Minor flooding is expected to develop further downstream along the Pioneer River at Dumbleton Rocks, with minor flooding to occur with the high tide at Hospital Bridge.

River levels at Mackay are expected to reach near the minor flood level of 7 metres during the high tide which is expected at around 1pm today.

River rises on the Pioneer River at Sarichs are expected to remain below minor flood levels during Friday.

Weather Forecast:

Heavy rain with local thunder.

Next Issue:

The next warning will be issued by 9am Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.39m rising	03:25 AM FRI 24/12/10
Blacks Ck at Whiteford's #	2.69m falling	04:14 AM FRI 24/12/10
Pioneer R at Sarich's #	5.19m falling	05:00 AM FRI 24/12/10
Cattle Ck at Finch Hatton #	3.35m falling	04:43 AM FRI 24/12/10
Cattle Ck d/s Frank Neilsen Br #	6.4m falling	05:01 AM FRI 24/12/10
Pioneer R at Mirani Weir HW *	48.36m rising	02:55 AM FRI 24/12/10
Pioneer R at Mirani Weir TW #	7.56m falling	04:59 AM FRI 24/12/10
Pioneer R at Dumbleton Rocks #	16.75m rising	05:00 AM FRI 24/12/10
Pioneer R at Hospital Br #	5.02m rising	05:02 AM FRI 24/12/10
Pioneer R at Mackay #	3.05m falling	04:38 AM FRI 24/12/10
Goosepond Ck at Gooseponds #	5.17m falling	04:41 AM FRI 24/12/10
Outer Harbour tide#	1.56m falling	05:00 AM FRI 24/12/10
Dalrymple Bay tide *	2.72m falling	04:00 AM FRI 24/12/10
Sandy Ck at Homebush*	1.27m rising	10:00 PM THU 23/12/10

*,# denotes automatic station.

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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 8:45 AM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Creek levels have continued to ease below minor along Cattle Creek during Friday morning, with minor flooding also easing in the Pioneer River at Mirani Weir and further downstream at Dumbleton Rocks. Minor flooding is expected to occur at Hospital Bridge in the Mackay area with the high tide at about 1pm today.

Minor flooding is expected to occur with the high tide at Hospital Bridge. At 8.30am Friday the river level at Hospital Bridge was at 6.27 metres and rising, which is about 0.35 metres below the level of the old bridge.

River levels at Mackay are expected to reach near the minor flood level of 7 metres during the high tide which is expected at around 1pm today.

Weather Forecast:

Heavy rain with local thunder.

Next Issue:

The next warning will be issued by 1pm Friday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.3m rising	06:50 AM FRI 24/12/10
Teemburra Ck at Teemburra Dam #	0.44m rising	06:27 AM FRI 24/12/10
Blacks Ck at Whiteford's #	3.54m steady	08:08 AM FRI 24/12/10
Pioneer R at Sarich's #	4.74m rising	08:20 AM FRI 24/12/10
Finch Hatton Ck at Dam Site *	2.5m falling	05:10 AM FRI 24/12/10
Cattle Ck at Finch Hatton #	2.8m rising	08:30 AM FRI 24/12/10
Cattle Ck d/s Frank Neilsen Br #	4.4m falling	08:31 AM FRI 24/12/10
Pioneer R at Mirani Weir HW *	48.45m falling	07:10 AM FRI 24/12/10
Pioneer R at Mirani Weir TW #	5.96m rising	08:32 AM FRI 24/12/10
Pioneer R at Mirani	NA	
Pioneer R at Dumbleton Rocks *	17.25m falling	08:10 AM FRI 24/12/10
Pioneer R at Dumbleton Weir T/W *	11.97m rising	08:10 AM FRI 24/12/10
Pioneer R at Hospital Br #	6.27m rising	08:27 AM FRI 24/12/10
Pioneer R at Mackay #	4.2m rising	08:21 AM FRI 24/12/10
Goosepond Ck at Gooseponds #	4.97m falling	08:02 AM FRI 24/12/10
Outer Harbour tide*	1.82m rising	08:00 AM FRI 24/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	1.9m rising	07:50 AM FRI 24/12/10
Sandy Ck at Homebush*	1.39m rising	11:20 PM THU 23/12/10

*,# denotes automatic station.

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TO::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 12:27 PM on Friday the 24th of December 2010
by the Bureau of Meteorology, Brisbane.

Further rainfall during Friday morning has resulted in renewed rises and minor flooding in Cattle Creek at Finch Hatton, with rises also occurring at Gargett with minor flood levels possible during Friday afternoon. Renewed rises along the Pioneer River between Mirani Weir and Dumbleton Rocks should remain below minor. River levels are rising in the Mackay area with the high tide at about 1pm today, with some minor flooding possible at Hospital Bridge.

Rainfall continues across the upper Pioneer catchment during Friday, with a further 30-50mm recorded since 9am Friday. Minor flooding is rising again at Finch Hatton in Cattle Creek, with small rises expected to extend downstream into the Pioneer River at Mirani Weir where river levels are not expected to reach minor flood levels.

River levels are rising in the Pioneer River at Hospital Bridge, where at 11.45am Friday the river level was at 6.22 metres and rising with the high tide with minor flooding possible.

River levels at Mackay are similarly rising with the approaching high tide, however river levels are not expected to reach the minor flood level of 7 metres during today.

Weather Forecast:

Heavy rain with local thunder.

Next Issue:

The next warning will be issued by 9am Saturday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.35m steady	11:45 AM FRI	24/12/10
Teemburra Ck at Teemburra Dam #	0.44m steady	12:05 PM FRI	24/12/10
Blacks Ck at Whiteford's #	3.44m falling	11:19 AM FRI	24/12/10
Pioneer R at Sarich's #	4.84m rising	12:20 PM FRI	24/12/10
Finch Hatton Ck at Dam Site *	3.27m falling	12:00 PM FRI	24/12/10
Cattle Ck at Finch Hatton #	3.8m falling	12:22 PM FRI	24/12/10
Cattle Ck d/s Frank Neilsen Br #	4.95m rising	12:18 PM FRI	24/12/10
Pioneer R at Mirani Weir HW *	47.57m falling	11:30 AM FRI	24/12/10
Pioneer R at Mirani Weir TW #	5.11m rising	12:23 PM FRI	24/12/10
Pioneer R at Mirani	NA		
Pioneer R at Dumbleton Rocks #	16.6m falling	12:14 PM FRI	24/12/10
Pioneer R at Dumbleton Weir T/W *	11.27m falling	11:40 AM FRI	24/12/10
Pioneer R at Hospital Br #	6.42m rising	12:20 PM FRI	24/12/10
Pioneer R at Mackay #	6.1m rising	12:18 PM FRI	24/12/10
Goosepond Ck at Gooseponds #	5.02m rising	12:23 PM FRI	24/12/10
Outer Harbour tide*	5.89m rising	12:00 PM FRI	24/12/10
Outer Harbour tide#	5.96m rising	12:15 PM FRI	24/12/10
Bakers Ck at Bakers Creek #	NA		
Dalrymple Bay tide *	6.36m rising	12:00 PM FRI	24/12/10
Sandy Ck at Homebush*	3.78m falling	11:11 AM FRI	24/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at <http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER
Issued at 6:53 AM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

River levels are expected to generally remain at or below minor flood level, unless intense rain re-commences in the area. Minor flooding with some renewed rises will continue in Cattle Creek around Finch Hatton during Saturday. The lower Pioneer River around Mackay is expected to remain below minor flood level, but will continue to be monitored. Warnings will re-commence if necessary.

Next Issue:

Warnings will re-commence if intense rainfall is forecast or recorded in the Pioneer catchment.

Latest River Heights:

Cattle Ck at Finch Hatton #	3.6m rising	06:32 AM SAT 25/12/10
Pioneer R at Mirani Weir TW #	5.66m rising	06:40 AM SAT 25/12/10
Pioneer R at Dumbleton Rocks #	16.55m rising	05:55 AM SAT 25/12/10
Pioneer R at Hospital Br #	5.62m rising	06:40 AM SAT 25/12/10
Pioneer R at Mackay #	3.65m falling	06:01 AM SAT 25/12/10

Warnings and River Height Bulletins are available at <http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER
Issued at 2:21 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Further rainfall totals of 60-100mm have been recorded during Saturday morning and afternoon which has resulted in renewed rises and moderate flood levels rising in Cattle Creek at Finch Hatton, with rises and minor flooding expected

downstream to Mirani Weir. River rises are also occurring in Blacks Creek at Whitefords and in the upper Pioneer River at Sarich's, where minor flooding is expected. Higher river levels are possible with further heavy rainfall during Saturday afternoon.

River levels downstream from Mirani Weir through to Mackay are not expected to reach minor flood levels, however the situation will continue to be closely monitored.

Weather Forecast:

Heavy rain areas with local thunder.

Next Issue:

The next warning will be issued at about 5pm Saturday.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.84m rising	02:05 PM SAT 25/12/10
Blacks Ck at Whiteford's #	4.09m steady	02:08 PM SAT 25/12/10
Pioneer R at Sarich's #	5.69m rising	02:05 PM SAT 25/12/10
Finch Hatton Ck at Dam Site *	2.38m steady	08:00 AM SAT 25/12/10
Cattle Ck at Finch Hatton #	3.95m rising	02:06 PM SAT 25/12/10
Cattle Ck d/s Frank Neilsen Br #	5.6m rising	02:07 PM SAT 25/12/10
Pioneer R at Mirani Weir HW *	48.08m rising	01:10 PM SAT 25/12/10
Pioneer R at Mirani Weir TW #	6.06m rising	02:03 PM SAT 25/12/10
Pioneer R at Dumbleton Rocks #	17m rising	01:58 PM SAT 25/12/10
Pioneer R at Dumbleton Weir T/W *	11.53m rising	11:30 AM SAT 25/12/10
Pioneer R at Hospital Br #	6.87m rising	01:51 PM SAT 25/12/10
Pioneer R at Mackay #	6.15m steady	01:32 PM SAT 25/12/10
Goosepond Ck at Gooseponds #	5.52m steady	01:20 PM SAT 25/12/10
Outer Harbour tide*	5.92m rising	01:00 PM SAT 25/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	6.35m rising	01:00 PM SAT 25/12/10
Sandy Ck at Homebush*	5.67m steady	12:13 PM SAT 25/12/10

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IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 4:55 PM on Saturday the 25th of December 2010
by the Bureau of Meteorology, Brisbane.

Heavy rainfall has continued to fall across the Pioneer catchment during Saturday afternoon with a further 40-70mm recorded in the 3 hours to 4.30pm. Minor to moderate flood levels continue to rise in Blacks Creek at Whitefords and in the upper Pioneer River at Sarich's, and also along Cattle Creek between Finch Hatton and Gargett. Minor flooding is rising fast at Mirani Weir with moderate flood levels expected during the next few hours.

River levels are rising downstream from Mirani Weir with minor flooding occurring at Dumbleton Rocks, and the possibility of some minor flooding to occur with the high tides downstream at Hospital Bridge. River levels at Mackay are expected to remain below the minor flood level of 7 metres, but further rain could produce higher levels overnight. The situation will continue to be monitored closely.

Weather Forecast:

Rain areas with local thunder. Further moderate to heavy falls.

Next Issue:

The next warning will be issued at about 6am Sunday or earlier if the situation worsens.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.8m rising	03:50 PM SAT 25/12/10
Teemburra Ck at Teemburra Dam #	0.94m rising	03:55 PM SAT 25/12/10
Blacks Ck at Whiteford's #	5.84m rising	04:31 PM SAT 25/12/10
Pioneer R at Sarich's #	8.64m rising	04:30 PM SAT 25/12/10
Finch Hatton Ck at Dam Site *	2.69m rising	03:00 PM SAT 25/12/10
Cattle Ck at Finch Hatton #	4.3m rising	04:33 PM SAT 25/12/10
Cattle Ck d/s Frank Neilsen Br #	6.4m falling	04:34 PM SAT 25/12/10
Pioneer R at Mirani Weir HW *	49.31m rising	04:10 PM SAT 25/12/10
Pioneer R at Mirani Weir TW #	8.21m rising	04:35 PM SAT 25/12/10
Pioneer R at Dumbleton Rocks #	17.4m rising	04:28 PM SAT 25/12/10
Pioneer R at Dumbleton Weir T/W *	11.69m falling	02:40 PM SAT 25/12/10
Pioneer R at Hospital Br #	6.72m falling	04:35 PM SAT 25/12/10
Pioneer R at Mackay #	5.15m steady	04:32 PM SAT 25/12/10
Goosepond Ck at Gooseponds #	5.57m steady	04:20 PM SAT 25/12/10
Outer Harbour tide*	4.6m falling	04:00 PM SAT 25/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	4.96m falling	04:00 PM SAT 25/12/10
Sandy Ck at Homebush*	7.73m rising	03:10 PM SAT 25/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at <http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 6:06 AM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Stream levels continue to generally ease below minor flood level across the Pioneer River catchment during Sunday morning, following a major flood peak overnight at Mirani Weir and some minor flooding with the high tide around midnight at Hospital Bridge in the Mackay area. Further rainfall is forecast for the district with possible heavy falls which would result in renewed rises and

possible flooding during Sunday. The situation will continue to be monitored closely.

A major flood peak to 10.4 metres was recorded at 10.30pm Saturday at Mirani Weir. Some small rises are being recorded during Sunday morning in Blacks Creek at Whitefords with the continuing rain.

Weather Forecast:

Showers tending to rain at times. Some further moderate to heavy falls, especially during the morning.

Next Issue:

The next warning will be issued at about 4pm Sunday or earlier if the situation worsens.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.9m falling	04:35 AM SUN 26/12/10
Blacks Ck at Whiteford's #	4.74m rising	05:46 AM SUN 26/12/10
Pioneer R at Sarich's #	5.94m steady	05:45 AM SUN 26/12/10
Finch Hatton Ck at Dam Site *	2.5m rising	02:50 AM SUN 26/12/10
Cattle Ck at Finch Hatton #	2.75m falling	05:41 AM SUN 26/12/10
Cattle Ck d/s Frank Neilsen Br #	4.3m falling	05:33 AM SUN 26/12/10
Pioneer R at Mirani Weir HW *	48.15m falling	05:10 AM SUN 26/12/10
Pioneer R at Mirani Weir TW #	5.91m falling	05:23 AM SUN 26/12/10
Pioneer R at Dumbleton Rocks #	17.15m falling	05:43 AM SUN 26/12/10
Pioneer R at Dumbleton Weir T/W *	11.91m falling	05:40 AM SUN 26/12/10
Pioneer R at Hospital Br #	6.77m falling	05:40 AM SUN 26/12/10
Pioneer R at Mackay #	4.85m falling	05:38 AM SUN 26/12/10
Goosepond Ck at Gooseponds #	5.32m rising	05:48 AM SUN 26/12/10
Outer Harbour tide*	3.3m falling	05:00 AM SUN 26/12/10
Bakers Ck at Bakers Creek #	NA	
Dalrymple Bay tide *	3.57m falling	05:00 AM SUN 26/12/10
Sandy Ck at Homebush*	9.72m steady	04:23 AM SUN 26/12/10

*,# denotes automatic station.

Warnings and River Height Bulletins are available at <http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER

Issued at 4:25 PM on Sunday the 26th of December 2010
by the Bureau of Meteorology, Brisbane.

Stream levels across the Pioneer River catchment have fallen below minor flood level during the day. Rainfall has eased over the catchment with falls of less than 10mm over the last 6 hours. Further showers and thunderstorms are forecast for the region but heavy falls are no longer expected.

Next Issue:

This is the final warning. The situation will continue to be monitored and warnings will re-commence if necessary.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.78m falling	02:30 PM SUN 26/12/10
Teemburra Ck at Teemburra Dam #	0.89m steady	03:05 PM SUN 26/12/10
Blacks Ck at Whiteford's *	3.82m falling	02:00 PM SUN 26/12/10
Blacks Ck at Whiteford's #	3.69m falling	03:53 PM SUN 26/12/10
Pioneer R at Sarich's *	5.26m falling	02:00 PM SUN 26/12/10
Pioneer R at Sarich's #	5.09m falling	03:25 PM SUN 26/12/10
Finch Hatton Ck at Dam Site *	2.24m rising	11:00 AM SUN 26/12/10
Cattle Ck at Finch Hatton #	2.4m rising	03:51 PM SUN 26/12/10
Cattle Ck at Finch Hatton *	2.49m falling	02:40 PM SUN 26/12/10
Cattle Ck at Frank Neilsen Br *	3.28m falling	02:00 PM SUN 26/12/10
Cattle Ck d/s Frank Neilsen Br #	3.4m falling	03:38 PM SUN 26/12/10
Pioneer R at Mirani Weir HW *	47.46m falling	03:10 PM SUN 26/12/10
Pioneer R at Mirani Weir TW *	4.75m falling	02:36 PM SUN 26/12/10
Pioneer R at Mirani Weir TW #	4.61m falling	03:50 PM SUN 26/12/10
Pioneer R at Dumbleton Rocks *	16.41m falling	02:40 PM SUN 26/12/10
Pioneer R at Dumbleton Rocks #	16.2m falling	04:00 PM SUN 26/12/10
Pioneer R at Dumbleton Weir T/W *	10.74m falling	02:40 PM SUN 26/12/10
Pioneer R at Hospital Br #	6.02m falling	04:03 PM SUN 26/12/10
Pioneer R at Mackay #	5.15m falling	04:08 PM SUN 26/12/10
Goosepond Ck at Gooseponds #	4.92m falling	02:42 PM SUN 26/12/10
Outer Harbour tide*	5.54m falling	03:00 PM SUN 26/12/10
Outer Harbour tide#	4.86m falling	04:08 PM SUN 26/12/10
Dalrymple Bay tide *	5.97m falling	03:00 PM SUN 26/12/10
Sandy Ck at Homebush*	7.83m falling	02:00 PM SUN 26/12/10

* # donotes automatic station.

Warnings and River Height Bulletins are available at <http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 12:09 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Fast stream rises are occurring in the upper Pioneer River catchment in Cattle and Blacks Creeks, with minor flooding occurring at Finch Hatton. Further rises and more widespread minor flooding are likely to extend downstream with continued heavy rainfall during Monday morning.

River levels in the Pioneer River at Mackay are expected to remain below minor flood level at this stage. The situation will continue to be closely monitored.

The heaviest rainfalls in the 6 hours to midnight Sunday include; Plevna 171mm, Clarke Range 136mm, Mirani Weir 116mm, Teemburra Dam 114mm and Rowallan Park 77mm. Moderate to heavy rainfall associated with Tropical Cyclone Anthony is

expected to continue during the early hours of Monday morning.

Next Issue:

The next warning will be issued at about 5am Monday.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.44m rising	11:30 PM SUN 30/01/11
Blacks Ck at Whiteford's #	3.24m rising	11:41 PM SUN 30/01/11
Pioneer R at Sarich's #	3.69m rising	11:48 PM SUN 30/01/11
Cattle Ck at Finch Hatton #	3.35m rising	11:47 PM SUN 30/01/11
Cattle Ck d/s Frank Neilsen Br #	4.9m rising	11:02 PM SUN 30/01/11
Pioneer R at Mirani Weir HW *	46.02m rising	09:05 PM SUN 30/01/11
Pioneer R at Mirani Weir TW #	4.66m rising	11:41 PM SUN 30/01/11
Pioneer R at Dumbleton Rocks #	15.2m rising	11:44 PM SUN 30/01/11
Pioneer R at Dumbleton Weir T/W *	8.7m rising	11:40 PM SUN 30/01/11
Pioneer R at Hospital Br #	4.62m falling	11:42 PM SUN 30/01/11
Pioneer R at Mackay #	3.85m falling	11:46 PM SUN 30/01/11
Goosepond Ck at Gooseponds #	5.52m rising	11:30 PM SUN 30/01/11
Outer Harbour tide#	3.36m falling	11:43 PM SUN 30/01/11
Bakers Ck at Bakers Creek #	4.6m falling	11:48 PM SUN 30/01/11
Dalrymple Bay tide *	4.43m falling	11:00 PM SUN 30/01/11
Sandy Ck at Homebush*	2.65m rising	10:20 PM SUN 30/01/11

*,# from automatic station

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<http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 4:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Fast stream rises are occurring in the upper Pioneer River catchment in Cattle and Blacks Creeks, with at least moderate flood levels likely along Blacks Creek during Monday morning. River level rises will extend downstream during Monday morning with at least moderate flood levels of 8 metres expected at Mirani. Heavy rainfall is continuing.

River levels in the Pioneer River at Mackay (Forgan Bridge) are expected to remain below minor flood level at this stage. The situation will continue to be closely monitored.

The heaviest rainfalls in the 12 hours to 4am Monday include; Plevna 340mm, Clarke Range 207mm, Mirani Weir 155mm, Teemburra Dam 219mm and Eungella 199mm.

Next Issue:

The next warning will be issued at about 7am Monday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.56m rising	02:40 AM MON	31/01/11
Teemburra Ck at Teemburra Dam #	0.79m rising	03:55 AM MON	31/01/11
Blacks Ck at Whiteford's *	5.83m rising	03:30 AM MON	31/01/11
Blacks Ck at Whiteford's #	6.29m rising	03:59 AM MON	31/01/11
Pioneer R at Sarich's *	7.29m rising	03:40 AM MON	31/01/11
Pioneer R at Sarich's #	7.54m rising	03:58 AM MON	31/01/11
Cattle Ck at Finch Hatton #	4m rising	03:59 AM MON	31/01/11
Cattle Ck at Finch Hatton *	4.23m falling	03:40 AM MON	31/01/11
Cattle Ck at Frank Neilsen Br *	6.3m rising	03:40 AM MON	31/01/11
Cattle Ck d/s Frank Neilsen Br #	6.95m rising	03:54 AM MON	31/01/11
Pioneer R at Mirani Weir HW *	46.02m rising	09:05 PM SUN	30/01/11
Pioneer R at Mirani Weir TW *	7.27m rising	03:40 AM MON	31/01/11
Pioneer R at Mirani Weir TW #	7.66m rising	04:00 AM MON	31/01/11
Pioneer R at Dumbleton Rocks *	17.03m rising	03:40 AM MON	31/01/11
Pioneer R at Dumbleton Rocks #	17.05m rising	03:42 AM MON	31/01/11
Pioneer R at Dumbleton Weir T/W *	11.87m rising	03:40 AM MON	31/01/11
Pioneer R at Hospital Br #	5.72m rising	04:01 AM MON	31/01/11
Pioneer R at Mackay #	3.35m rising	03:59 AM MON	31/01/11
Goosepond Ck at Gooseponds #	5.32m falling	03:43 AM MON	31/01/11
Outer Harbour tide*	1.13m falling	03:00 AM MON	31/01/11
Outer Harbour tide#	1.41m rising	03:57 AM MON	31/01/11
Bakers Ck at Bakers Creek #	4.4m rising	03:15 AM MON	31/01/11
Dalrymple Bay tide *	1.79m falling	02:00 AM MON	31/01/11
Sandy Ck at Homebush*	4.71m rising	03:18 AM MON	31/01/11

*automatic station

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<http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR THE PIONEER RIVER

Issued at 6:17 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the Pioneer River catchment in Cattle Creek with major flood levels likely along Blacks Creek during Monday morning. River level rises will extend downstream during Monday morning with major flood levels of just above 9 metres expected at Mirani.

River levels in the Pioneer River at Mackay (Forgan Bridge) are expected to remain below minor flood level at this stage. Flood levels at Hospital Bridge are likely to rise to around the minor flood level of 8 metres.

The heaviest rainfalls in the 24 hours to 6am Monday include; Plevna 376mm, Clarke Range 282mm, Mirani Weir 181mm, Teemburra Dam 266mm and Eungella 236mm.

Next Issue:

The next warning will be issued at about 11am Monday.

Latest River Heights:

Teemburra Ck at Teemburra Dam HW *	0.63m rising	03:35 AM MON 31/01/11
Teemburra Ck at Teemburra Dam #	0.89m steady	06:03 AM MON 31/01/11
Blacks Ck at Whiteford's *	7.09m rising	05:20 AM MON 31/01/11
Blacks Ck at Whiteford's #	7.29m falling	06:09 AM MON 31/01/11
Pioneer R at Sarich's *	8.8m rising	05:40 AM MON 31/01/11
Pioneer R at Sarich's #	8.99m rising	06:03 AM MON 31/01/11
Cattle Ck at Finch Hatton #	3.15m rising	06:04 AM MON 31/01/11
Cattle Ck at Finch Hatton *	3.2m falling	05:40 AM MON 31/01/11
Cattle Ck at Frank Neilsen Br *	6.69m rising	05:00 AM MON 31/01/11
Cattle Ck d/s Frank Neilsen Br #	6.85m falling	06:08 AM MON 31/01/11
Pioneer R at Mirani Weir TW #	9.36m rising	06:04 AM MON 31/01/11
Pioneer R at Dumbleton Rocks *	17.53m rising	05:40 AM MON 31/01/11
Pioneer R at Dumbleton Rocks #	17.75m rising	06:06 AM MON 31/01/11
Pioneer R at Dumbleton Weir T/W *	12.26m falling	05:40 AM MON 31/01/11
Pioneer R at Hospital Br #	6.42m falling	06:09 AM MON 31/01/11
Pioneer R at Mackay #	4.25m rising	06:05 AM MON 31/01/11

*automatic station

Warnings and River Height Bulletins are available at <http://www.bom.gov.au/qld/flood/> . 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::BOM608

IDQ20755

Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR THE PIONEER RIVER

Issued at 10:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Minor to moderate flooding continues in the Pioneer River. A minor flood peak is approaching Dumbleton Rocks and Hospital Bridge where levels will ease through the afternoon. River levels in the Pioneer River at Mackay (Forgan Bridge) will remain below minor flood level. Elsewhere, river levels are falling.

Next Issue:

This is the final warning. River height bulletins will continue to be issued and updates will appear in the flood warning summary.

Latest River Heights:

Teemburra Ck at Teemburra Dam #	0.84m falling	09:10 AM MON 31/01/11
Blacks Ck at Whiteford's *	6.61m falling	09:20 AM MON 31/01/11
Blacks Ck at Whiteford's #	6.09m falling	10:04 AM MON 31/01/11
Pioneer R at Sarich's *	9.26m falling	09:40 AM MON 31/01/11
Pioneer R at Sarich's #	8.99m falling	10:03 AM MON 31/01/11
Cattle Ck at Finch Hatton #	2.5m falling	09:55 AM MON 31/01/11
Cattle Ck at Finch Hatton *	2.59m falling	09:40 AM MON 31/01/11
Cattle Ck at Frank Neilsen Br *	3.82m falling	09:40 AM MON 31/01/11
Cattle Ck d/s Frank Neilsen Br #	3.95m falling	10:04 AM MON 31/01/11

Pioneer R at Mirani Weir HW *	50.2m falling	09:25	AM	MON	31/01/11
Pioneer R at Mirani Weir TW *	9.2m falling	09:40	AM	MON	31/01/11
Pioneer R at Mirani Weir TW #	9.06m falling	10:03	AM	MON	31/01/11
Pioneer R at Dumbleton Rocks *	18.49m rising	09:40	AM	MON	31/01/11
Pioneer R at Dumbleton Rocks #	18.55m rising	08:51	AM	MON	31/01/11
Pioneer R at Dumbleton Weir T/W *	13.81m rising	09:40	AM	MON	31/01/11
Pioneer R at Hospital Br #	7.97m rising	10:03	AM	MON	31/01/11
Pioneer R at Mackay #	6.2m rising	09:19	AM	MON	31/01/11

*automatic station

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