

**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(06)”**

FLDWARN Coastal Rs Townsville to Mackay

1 December 2010 to 31 January 2011

TO::BOM605+BOM606+BOM607+BOM608

IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS.

Issued at 9:22 AM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony is expected to develop in coastal and adjacent inland areas between Townsville and Sarina through Sunday and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm. Depending on where the cyclone crosses, this could include the catchments of the Haughton, Don, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Issac system (Fitzroy catchment). Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Next Issue:

The next warning will be issued at 5pm or before if necessary.

Latest River Heights:

nil.

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.

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IDQ20730

Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS.

Issued at 4:45 PM on Sunday the 30th of January 2011

by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue to develop in coastal and adjacent inland areas between Townsville and Sarina through this evening and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm. This is likely to include the catchments of the Don, Proserpine, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

The heaviest rainfall in the 6 hours to 5pm Sunday include: Clarke Range 46mm, Finch Hatton 35mm and Plevna 36mm.

Next Issue:

The next warning will be issued at 9pm or before if necessary.

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS

Issued at 8:52 PM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue to develop in coastal and adjacent inland areas between Townsville and Sarina during this evening and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Coastal areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm during the next 12 to 24 hours. This is likely to include the catchments of the Don, Proserpine, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual

catchments will be issued where necessary.

Heavy rainfall of between 60mm to 90mm has been recorded in the 6 hours to 9pm Sunday.

Next Issue:

The next warning will be issued at about midnight Sunday.

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND ADJACENT INLAND CATCHMENTS

Issued at 8:57 PM on Sunday the 30th of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue to develop in coastal and adjacent inland areas between Townsville and Sarina during this evening and overnight. Fast river level rises and localised flash flooding may occur in coastal streams and river systems.

Coastal areas on the southern side of Cyclone Anthony are at most risk of heavy rain of between 100 to 300mm during the next 12 to 24 hours. This is likely to include the catchments of the Don, Proserpine, Pioneer, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Heavy rainfall of between 60mm to 90mm has been recorded in the Pioneer catchment and Mackay area in the 6 hours to 9pm Sunday, with between 15mm to 40mm also recorded across the Don and lower Burdekin catchment including in the Bowen and Broken Rivers.

Next Issue:

The next warning will be issued at about midnight Sunday.

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN TOWNSVILLE AND SARINA AND
ADJACENT INLAND CATCHMENTS

Issued at 12:10 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with Tropical Cyclone Anthony will continue in coastal
and adjacent inland areas between Townsville and Sarina overnight.

Heavy rainfall of between 25mm to 70mm has been recorded during the last 6 hours
across the Don and lower Burdekin catchments including in the Bowen and Broken
Rivers.

Coastal areas on the southern side of Tropical Cyclone Anthony are at most risk
of heavy rainfalls of between 100mm to 300mm possible during the next 12 to 24
hours. This is likely to include the catchments of the Don, Proserpine,
Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast
river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual
catchments will be issued where necessary.

A flood warning is current for the Pioneer River catchment.

Next Issue:

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

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND SARINA AND
ADJACENT INLAND CATCHMENTS

Issued at 4:28 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex-Tropical Cyclone Anthony is continuing in coastal and adjacent inland areas between Bowen and Sarina. Very heavy rainfall is currently being recorded around Repulse Bay in the Mount Charlton area which is likely to lead to fast coastal stream rises this morning. Heavy rainfall of up to 100mm has been recorded during the 3 hours to 4am.

Catchments where river level rises are also likely to occur include the Proserpine, Bowen/Bogie/lower Burdekin and Connors/Isaac (Fitzroy catchment) Rivers. Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Flood warnings are current for the Don and Pioneer River catchments.

Next Issue:

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

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND SARINA AND ADJACENT INLAND CATCHMENTS

Issued at 7:27 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex-Tropical Cyclone Anthony has shifted south during the morning is now falling in coastal and adjacent inland areas between Sarina and St Lawrence. Highest falls in the past 6 hours have occurred over the Pioneer River and the upper reaches of the Connors and Isaac Rivers and nearby creeks. Heavy falls have also occurred around the Bowen and Bogie Rivers in the Burdekin River catchment.

This rainfall is likely to lead to fast coastal stream rises during the morning.

River level rises have occurred in the Don, Pioneer and Connors/Isaac River catchments where flood warnings are current. Rises are also likely in the Bowen, Bogie and lower Burdekin Rivers . Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Next Issue:

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

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND ST LAWRENCE AND ADJACENT INLAND CATCHMENTS

Issued at 7:30 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Heavy rainfall associated with ex-Tropical Cyclone Anthony has shifted south during the morning is now falling in coastal and adjacent inland areas between Sarina and St Lawrence. Highest falls in the past 6 hours have occurred over the Pioneer River and the upper reaches of the Connors and Isaac Rivers and nearby creeks. Heavy falls have also occurred around the Bowen and Bogie Rivers in the Burdekin River catchment.

This rainfall is likely to lead to fast coastal stream rises during the morning.

River level rises have occurred in the Don, Pioneer and Connors/Isaac River catchments where flood warnings are current. Rises are also likely in the Bowen, Bogie and lower Burdekin Rivers . Fast river level rises and localised flash flooding may occur.

The situation will be closely monitored and flood warnings for individual catchments will be issued where necessary.

Next Issue:

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

Latest River Heights:

nil.

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.

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Australian Government Bureau of Meteorology
Queensland

FINAL FLOOD WARNING FOR COASTAL RIVERS AND STREAMS BETWEEN BOWEN AND ST LAWRENCE
AND ADJACENT INLAND CATCHMENTS

Issued at 11:00 AM on Monday the 31st of January 2011
by the Bureau of Meteorology, Brisbane.

Ex-Tropical Cyclone Anthony is no longer producing heavy rainfall over the
region.

River levels in the Don and Pioneer Rivers are falling.

Rises are continuing in the Connors/Isaac River catchment where a flood warning
is current.

Some rises are also likely in the Bowen, Bogie and lower Burdekin Rivers.

Next Issue:

This is the final warning. River Height Bulletins and flood warnings for the
Connors/Isaac Rivers will continue to be issued.

Latest River Heights:

nil.

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.