



Australian Government
Bureau of Meteorology



Ex-TC Oswald Floods

January and February 2013



1	
2	3

1. Flood waters through Bundaberg from the air – Photo by John McDermott, ABC News
2. Floodwaters through the main street of Laidley – Photo by Josh Bavas, ABC News
3. Flood waters up to roof level in Gympie – Photo by Eric Tlozek, ABC News

Note:

1. Data in this report has been operationally quality controlled but errors may still exist.
2. This product includes data made available to the Bureau by other agencies. Separate approval may be required to use the data for other purposes. See Appendix 4 for DNRM Usage Agreement.
3. This report is not a complete set of all data that is available. It is a representation of some of the key information.

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1. Introduction

The flood event that was recorded with the path of Ex-Tropical Cyclone Oswald proved to be the largest and most significant since European settlement in some areas of southeast Queensland, where rainfall in excess of 1000 millimetres was recorded in 96 hours. Upper Springbrook, in the Gold Coast hinterland recorded 744 millimetres in the 24 hours to 9am on the 28th of January, which was the highest 24-hour rainfall total in Australia since 772 millimetres fell at Coops Corner (Noosa River) in August 2007. Many other areas recorded daily rainfall totals of between 400-500 millimetres during the event. For a complete discussion on the significant rainfall from Ex Tropical Cyclone Oswald please refer to the Special Climate Statement 44, which can be accessed at:

<http://www.bom.gov.au/climate/current/statements/scs44.pdf>

Ex-Tropical Cyclone Oswald tracked down the east coast of Australia from the Queensland North Tropical Coast to Sydney, between the 22nd and 29th of January 2013, with major flooding occurring in several river catchments in its path. Major flood levels in Queensland rivers continued from the 22nd of January to the 17th of February with record flood levels recorded along the Burnett River and its tributaries, throughout the Calliope, Boyne, Baffle and Kolan catchments, along Laidley, Tenthill and Black Duck Creeks in the Lockyer Valley and also in the Upper Weir River catchment.

A total of 6,500 properties across 90 towns were either damaged or uninhabitable across Queensland, costing an estimated \$2.4 billion*. Flooding above the moderate flood level (and in most instances above the major flood level) occurred along the east coast of Queensland in the following basins:

- Tully/Murray Rivers (Euramo)
- Herbert River (Ingham and Halifax)
- Bohle (Townsville)
- Haughton (Giru)
- Burdekin (Ayr and Home Hill)
- Don (Bowen)
- Fitzroy (Jambin, Baralaba, Yaamba, Rockhampton)
- Calliope, Boyne, Baffle and Kolan
- Cherwell-Burrun (Pacific Haven, Howard)
- Burnett (Monto, Eidsvold, Mundubbera, Gayndah, Walla, Bundaberg)
- Mary (Gympie, Miva, Tiaro, Maryborough)
- Noosa (Tewantin)
- Maroochy
- Brisbane (Ipswich, Brisbane)
- Logan-Albert (Beenleigh, Eagleby)
- Moonie (Flinton, Nindigully, Thallon)
- Weir (Talwood)
- Border Rivers (Goondiwindi)
- Condamine-Balonne (Warwick, Chinchilla, Condamine, Surat, St George, Dirranbandi)

This report provides a summary and analysis of the meteorology and hydrology associated with the significant rainfall and flooding following Ex-Tropical Cyclone Oswald as it traced a path across Queensland's eastern river basins.

* Information sourced from the Queensland Reconstruction Authority.

The following link provides a complete list of [maps of the relevant river catchments and flood warning stations](#) referred to in this report.

2. Meteorological Summary

A large stretch of the east coast of Australia, extending from Queensland's North Tropical coast southward to Illawarra in New South Wales experienced very heavy rainfall during the period from the 22nd to the 29th of January 2013 as Ex-Tropical Cyclone Oswald traced a path across the region. This rainfall resulted in severe flooding in many areas within 200 kilometres of the east coast, most notably in the Burnett catchment in Queensland and the Clarence catchment in northern New South Wales, both of which reached record flood levels.

Tropical Cyclone Oswald formed in the Gulf of Carpentaria on the afternoon of the 21st January 2013 and made landfall as a category 1 system six hours later near Kowanyama, on the west coast of Cape York Peninsula. The cyclone rapidly weakened after landfall and was downgraded to a tropical low on the morning of 22nd January. The low tracked eastwards across Cape York Peninsula and was positioned to the west of Cooktown on the 23rd of January. The system then took a turn to the south and tracked inland almost parallel to the Queensland coast to be positioned inland from Townsville on the 24th of January. The moist northeast flow around the southern flank of the low pressure system combined with a firm ridge that extended along the Queensland coast, from a high pressure system to the south of Victoria, to produce an enhanced band of rainfall on its southern side. The high pressure system moved eastwards allowing the low pressure system to move south during the 25th of January to be positioned near Emerald in Central Queensland. The tropical low then stagnated in that area over the 25th and 26th of January. Moist northeast to easterly winds around the eastern side of the low coincided with enhanced low level convergence brought about by a strong low level jet, and resulted in very heavy rainfall across the Capricornia, Wide Bay and Burnett regions at this time. Tornadoes were also observed on radar and reported. Rainfall totals of more than 400 to 500 millimetres in 24 hours were recorded during this period with several sites exceeding the 1% ARI for 3 to 72 hour totals (refer to section 3.3). By the 27th of January 2013, the low pressure system had resumed a steady southwards track to be centred near Dalby on the 28th of January, enticed southwards by a vigorous mid level trough over south-eastern Australia. This movement brought the intense area of rainfall to the southeast corner of Queensland where falls up to 750mm in 24 hours were recorded in some parts, particularly about the ranges. The system then accelerated southwards through northern New South Wales before moving offshore near Sydney on the 29th of January, but not before producing heavy rainfall across north-eastern parts of the state. The track of Oswald as a Tropical Cyclone and Tropical Low is shown in Figure 2.1.

Throughout Oswald's lifespan, the system brought heavy rainfall to the east coast of Australia extending from Queensland's North Tropical Coast to around Illawarra, south of Sydney, on the New South Wales coast. The 7-day rainfall totals for the week ending the 29th of January 2013 are shown in Figure 2.2 and indicate totals generally in excess of 200 millimetres in coastal and adjacent inland areas, with enhanced activity greater than 400 millimetres in areas south from the Capricornia coast in Queensland to northern New South Wales. Scattered heavier falls of more than 400 millimetres in a day were also recorded in this region. Further detailed analysis of the rainfall associated with Ex-Tropical Cyclone Oswald is presented in Sections 3.2 and 3.3 and daily rainfall totals for the period from the 21st of January to 31st of January for Queensland River Basins are listed in Appendix 2. Radar imagery tracking the path of Ex-Tropical Cyclone Oswald as it moved through the eastern interior of Queensland is shown in Figure 2.3.

The low pressure system was also associated with strong winds, with numerous sites experiencing gusts in excess of 100 km/h and several tornadoes sighted and reported. Rough seas, large waves and coastal storm surge also resulted from the system. Waves to 12 metres were observed offshore at Coffs Harbour and storm surge heights of around 0.5 to 0.6 metres above normal tide levels were recorded at several locations along the Queensland and New South Wales coastline, causing some inundation of foreshore areas.

There are few close precedents in the last 50 years for the track of Ex-Tropical Cyclone Oswald. While a number of former tropical cyclones have moved far enough south to have significant impacts on New South Wales, most such systems have either originated over the Coral Sea and not

approached the Queensland coast until south of the Tropic of Capricorn (e.g. *Zoe* 1974, *Nancy* 1990), or moved south from the Gulf of Carpentaria and tracked through western Queensland (e.g. *Audrey* 1964).

Figure 2.1 Track of Oswald as a Tropical Cyclone and Tropical Low – 17th to 29th January 2013

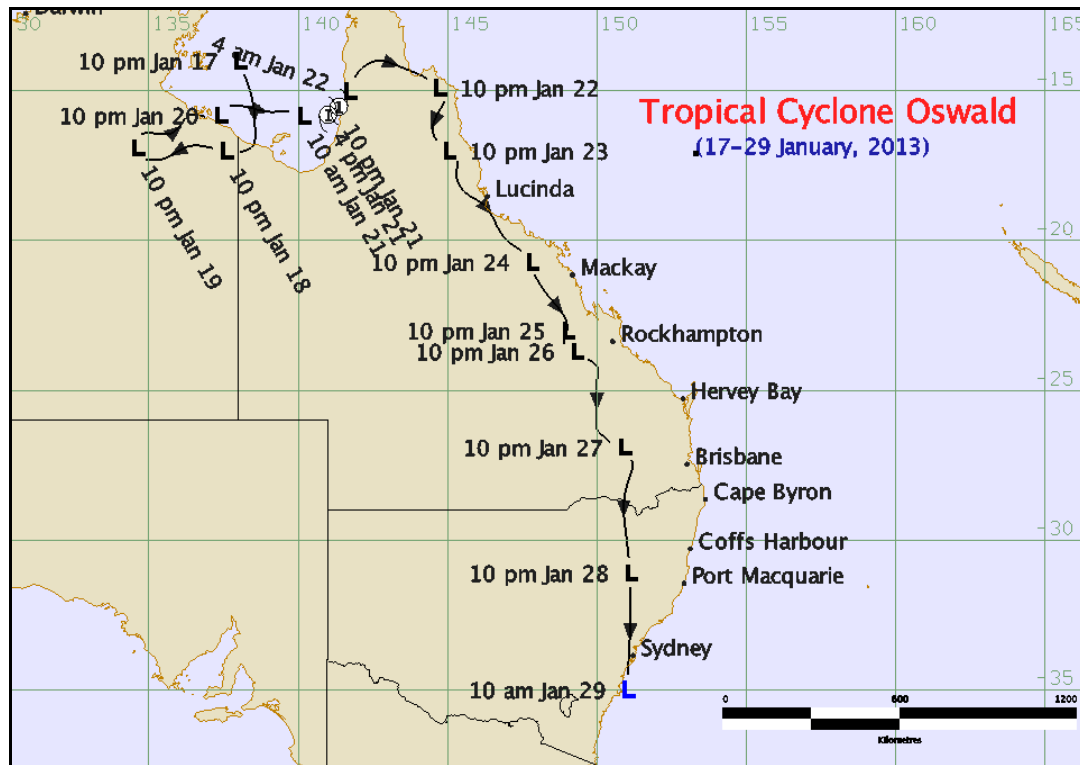


Figure 2.2 7-day rainfall totals for the week ending 29th January 2013

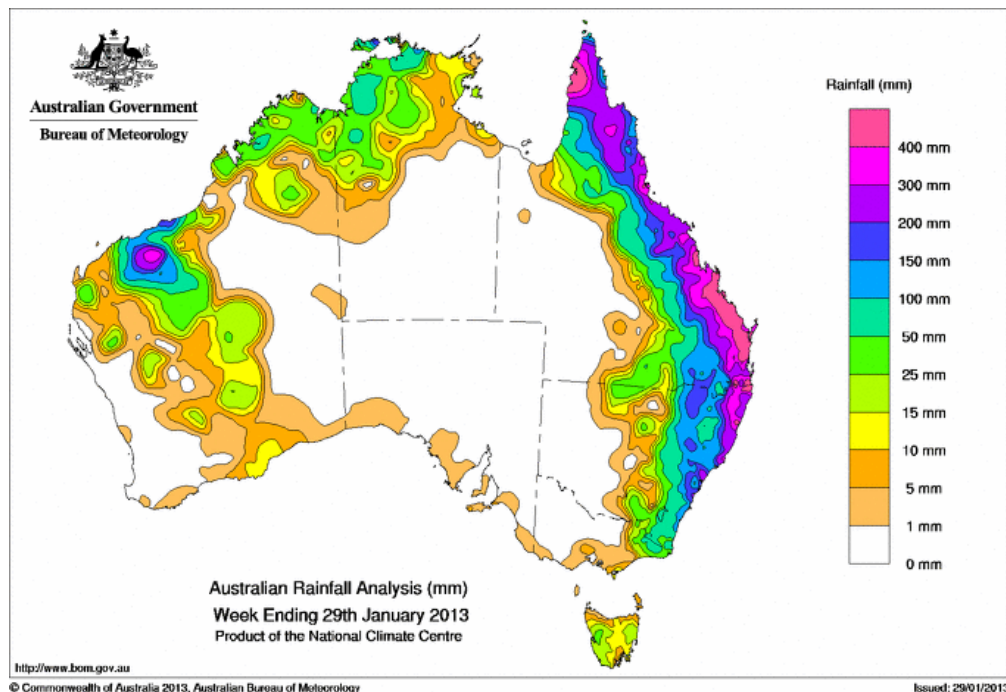
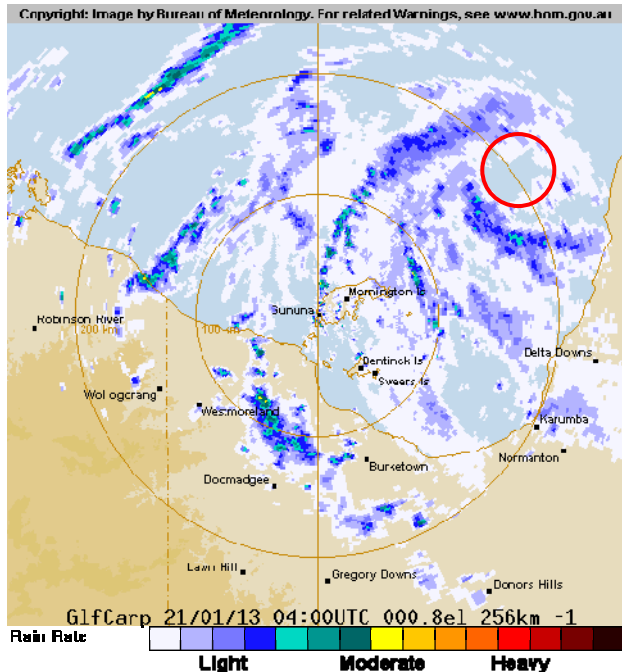
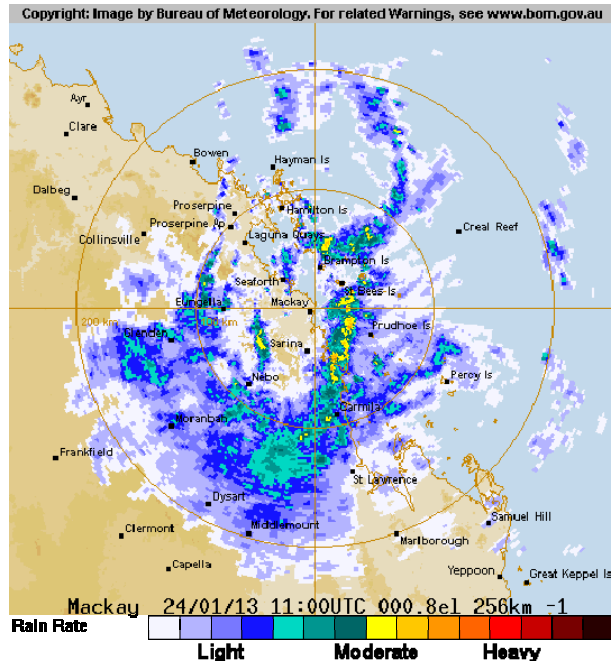


Figure 2.3 Radar imagery of Oswald as a Tropical Cyclone in the Gulf of Carpentaria and as a tropical low producing heavy rainfall along the east Queensland coast.

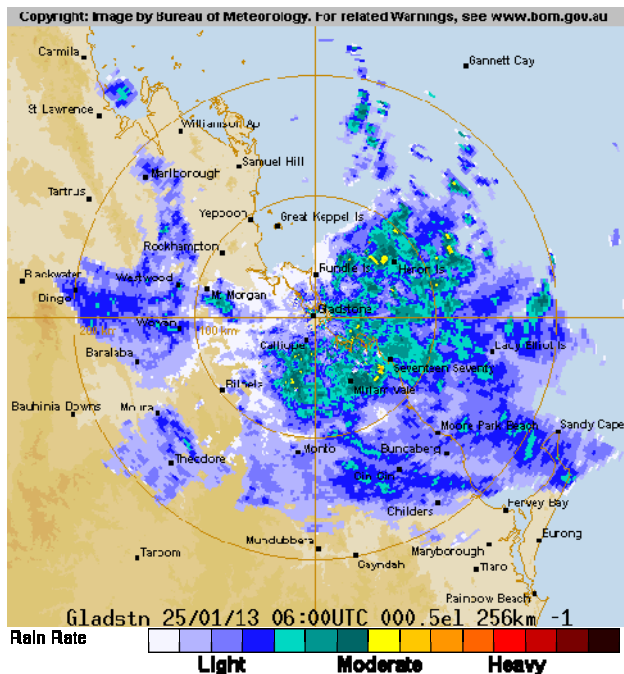
Mornington Island 256km radar 2pm EST on 21st January 2013



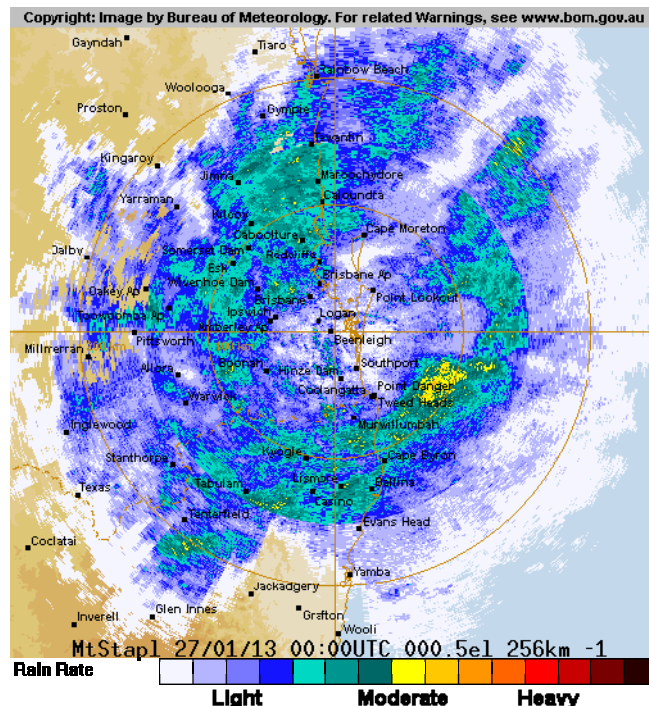
Mackay 256km radar 9pm EST on 24th January 2013



Gladstone 256km radar 4pm EST on 25th January 2013



Mt Stapylton 256km radar 10am EST on 27th January 2013



3. Hydrology

Ex-Tropical Cyclone Oswald tracked south, inland and parallel to the east Australian coast producing heavy to intense rainfall over the region causing widespread major river flooding. The low pressure system moved steadily from the North Tropical coast of Queensland to around Emerald producing daily rainfall totals of between 100 to 300 millimetres with isolated falls in excess of 300mm. This rainfall caused moderate to major river flooding in the Tully, Herbert, Haughton, Burdekin, Don and Pioneer Rivers.

The low pressure system then stalled for 48 hours in the Capricornia region of Queensland, producing intense rainfall and widespread 24-hour totals up to 300 millimetres with isolated heavier falls greater than 400 millimetres and isolated 48-hour totals greater than 800 millimetres. This intense rainfall led to widespread major flooding across the Connors, Isaac, Mackenzie, Kolan, Baffle, Boyne, Calliope, Burnett and Burrum River catchments where record flood levels were recorded at Mimdale on Baffle Creek and Bundaberg on the Burnett River.

Ex-Tropical Cyclone Oswald then resumed its course southward producing further heavy rainfall from Bundaberg to the Queensland and New South Wales border with 24-hour rainfall totals of 200 to 300 millimetres and scattered heavier totals greater than 400 millimetres recorded. The highest daily total recorded was 744 millimetres at Upper Springbrook Alert in the upper reaches of the Nerang River. Widespread major flooding extended further south across Queensland to include the Mary, Sunshine Coast, Brisbane, Logan, Albert, Coomera and Nerang River catchments, with record flood levels occurring at Laidley on the Brisbane River. Major flooding also extended over the southern inland Moonie, Weir and Condamine-Balonne River basins.

As the tropical low tracked south of the Queensland and New South Wales border it continued to produce heavy to intense rainfall causing major flooding across coastal river catchments across New South Wales.

The Hydrology presented in this report concentrates on flooding that has occurred in Queensland river basins with Hydrographs and rainfall data of Queensland Flood Warning network stations only included.

3.1 Peak River Heights

A map displaying the peak river heights that occurred over Queensland between the 20th and 30th of January 2013 is shown in Figure 3.1.1. As is evident, isolated major flood levels were recorded across the coastal rivers in the north of the state, with more widespread major flooding occurring over southern coastal rivers extending inland to the Condamine-Balonne River.

Table 3.1.1 displays a comparison of the January 2013 peak heights at key sites with historical peak heights, highlighting new peak height records which occurred at Mimdale on Baffle Creek, Bundaberg on the Burnett River and Laidley on the Brisbane River. Refer to Appendix 1 for a complete list of peak heights that occurred in Queensland during the Ex-Tropical Cyclone Oswald event.

Figure 3.1.1 Peak flood heights observed between 21st of January and 14th of February 2013 resulting from rainfall produced by Ex-Tropical Cyclone Oswald

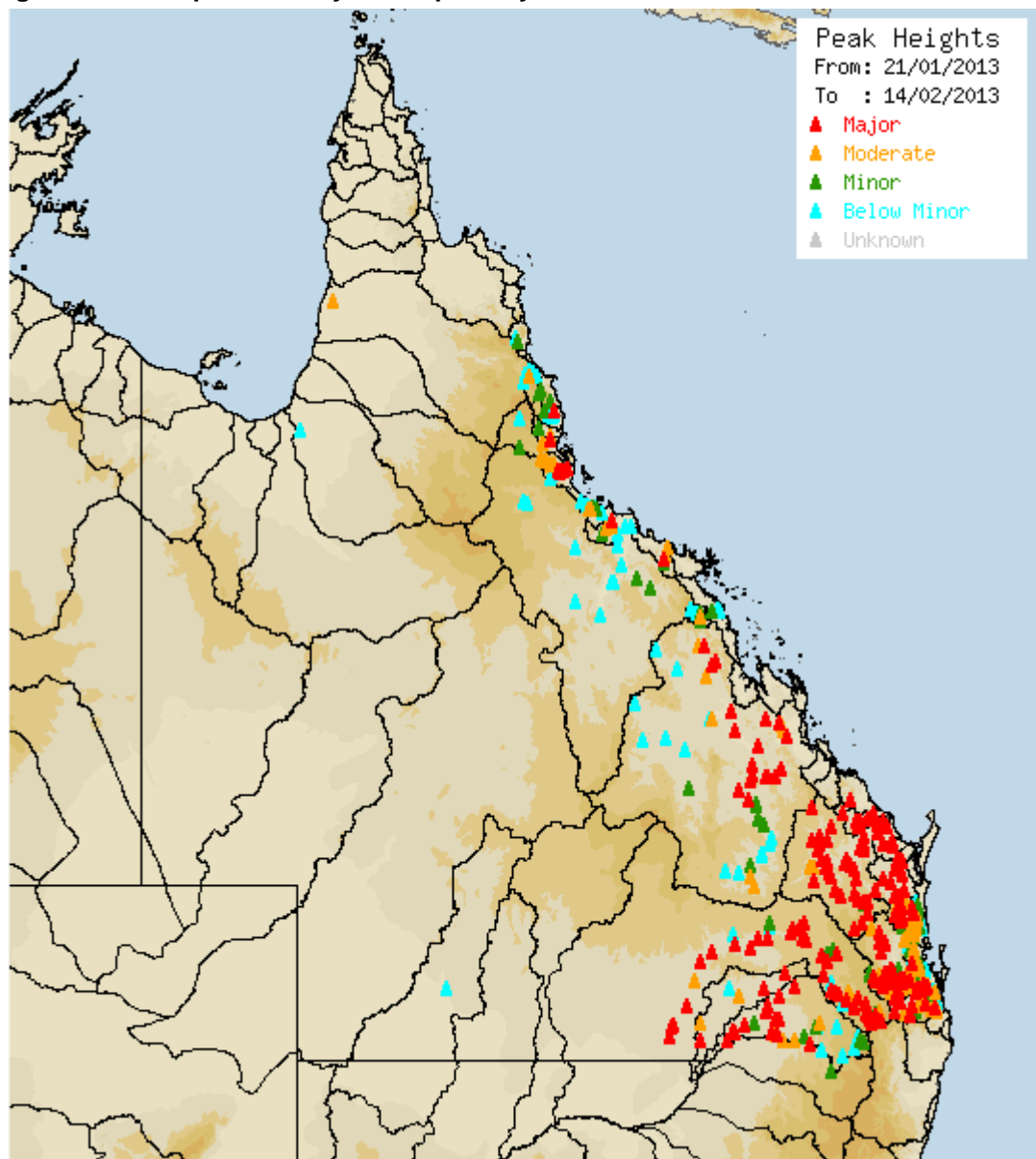


Table 3.1.1 Significant peak heights observed between the 24th January and the 2nd of February 2013 and their historical comparison

Location	Catchment	Peak Height	Flood Class	Start of Record	Ranking	Highest Since	Record
Ingham Pump Station	Herbert River	13.54m 24/01/2013	Major	1916	19 th	14.75m Feb 2009	15.20m Mar 1967
Giru	Haughton River	2.75m 24/01/2013	Major	1978	11 th	3.09m Feb 2011	3.09m Feb 2011
Bowen	Don River	4.45m 24/01/2013	Moderate	1970	23 rd	4.80m Mar 2012	7.25m Jan 1970
Rockhampton	Fitzroy River	8.60m 2/2/2013	Major	1890	9 th	9.2m Jan 2011	10.11m Feb 1918
Mimdale	Baffle Creek	22.33m 27/01/2013	Major	1970	1 st	New record	New record
Monduran	Kolan River	13.30m 27/01/2013	Major	1887	2 nd	17.70m 1887	17.70m 1887
Mundubbera	Burnett River	23.0m 28/01/2013	Major	1942	2 nd	23.62m Feb 1942	23.6 m Feb 1942
Gayndah	Burnett River	18.61m 28/01/2013	Major	1864	2 nd	19.66m Feb 1942	19.66m Feb 1942
Bundaberg	Burnett River	9.53m 29/1/2013	Major	1875	1 st	New record	New record
Maryborough	Mary River	10.70m 29/1/2013	Major	1864	4 th	10.95 m Jan 1974	12.27m 1893
Gympie	Mary River	19.98m 28/1/2013	Major	1870	8 th	21.95m Feb 1999	25.45m Feb 1893
Ipswich	Bremer River	13.9m 28/1/2013	Major	1840	20 th	19.25m Jan 2011	23.47m Feb 1893
Brisbane	Brisbane River	2.3m 28/1/2013	Minor	1840	24 th	4.46m Jan 2011	8.35m Jan 1893
Waterford	Logan River	9.0m 30/1/2013	Major	1887	6 th	9.06m Feb 1991	13.7m 1887
Laidley	Brisbane River	8.95m 27/1/2013	Major	1990	1 st	New record	New record
Warwick	Condamine River	7.21m 28/1/2013	Major	1887	12 th	8.35m Jan 2011	9.1m Feb 1976

3.2 Rainfall Maps

The rainfall amounts in Figures 3.2.1 to 3.2.4 are all given in millimetres. Refer to http://www.bom.gov.au/qld/flood/brochures/river_maps.shtml for the station names of the rainfall locations used in Figures 3.2.1-3.2.4. For a complete list of daily rainfalls please refer to Appendix 2 – rainfall tables.

Figure 3.2.1 Rainfall map of the Herbert River catchment from the 20th to 30th January 2013

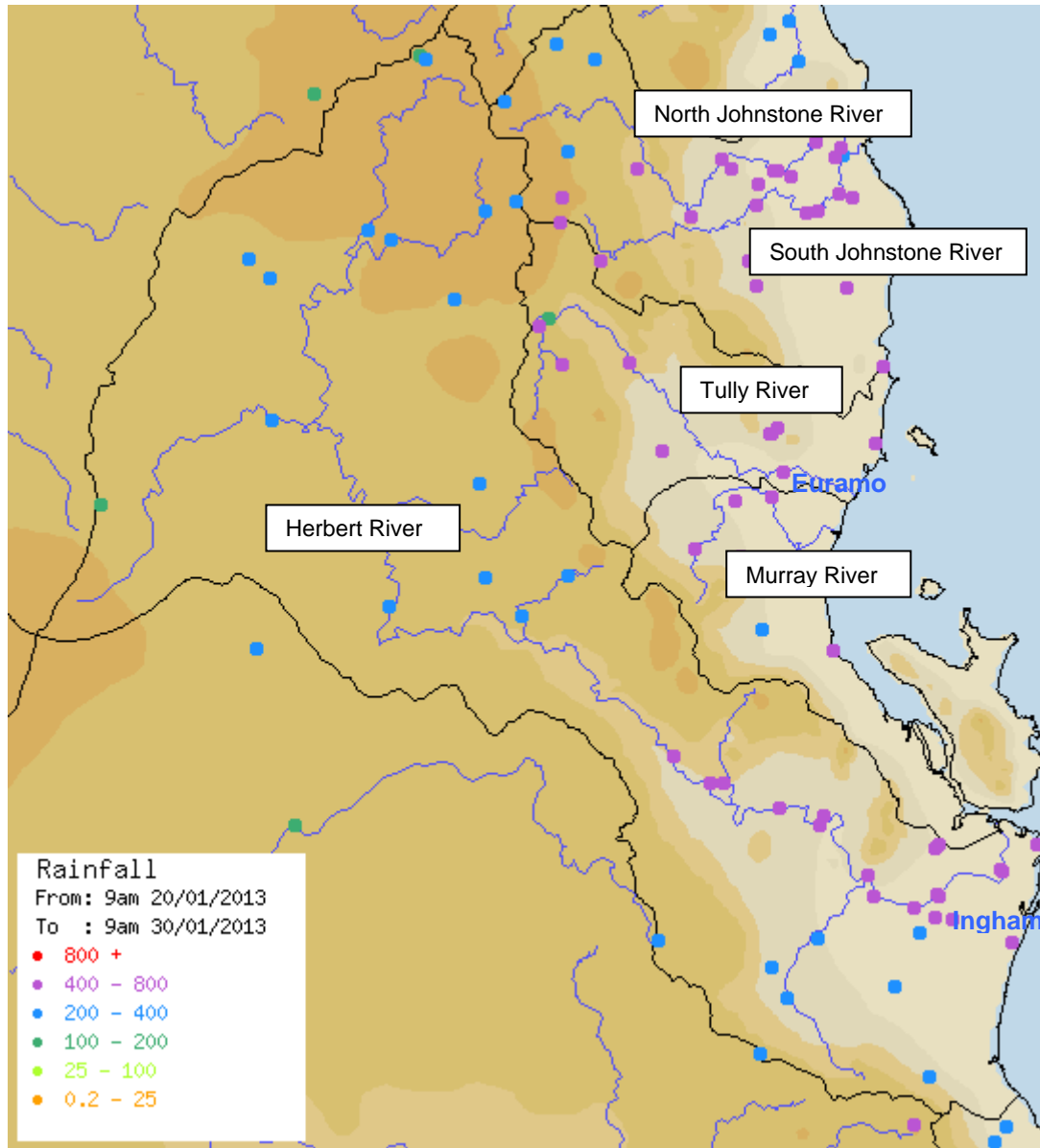
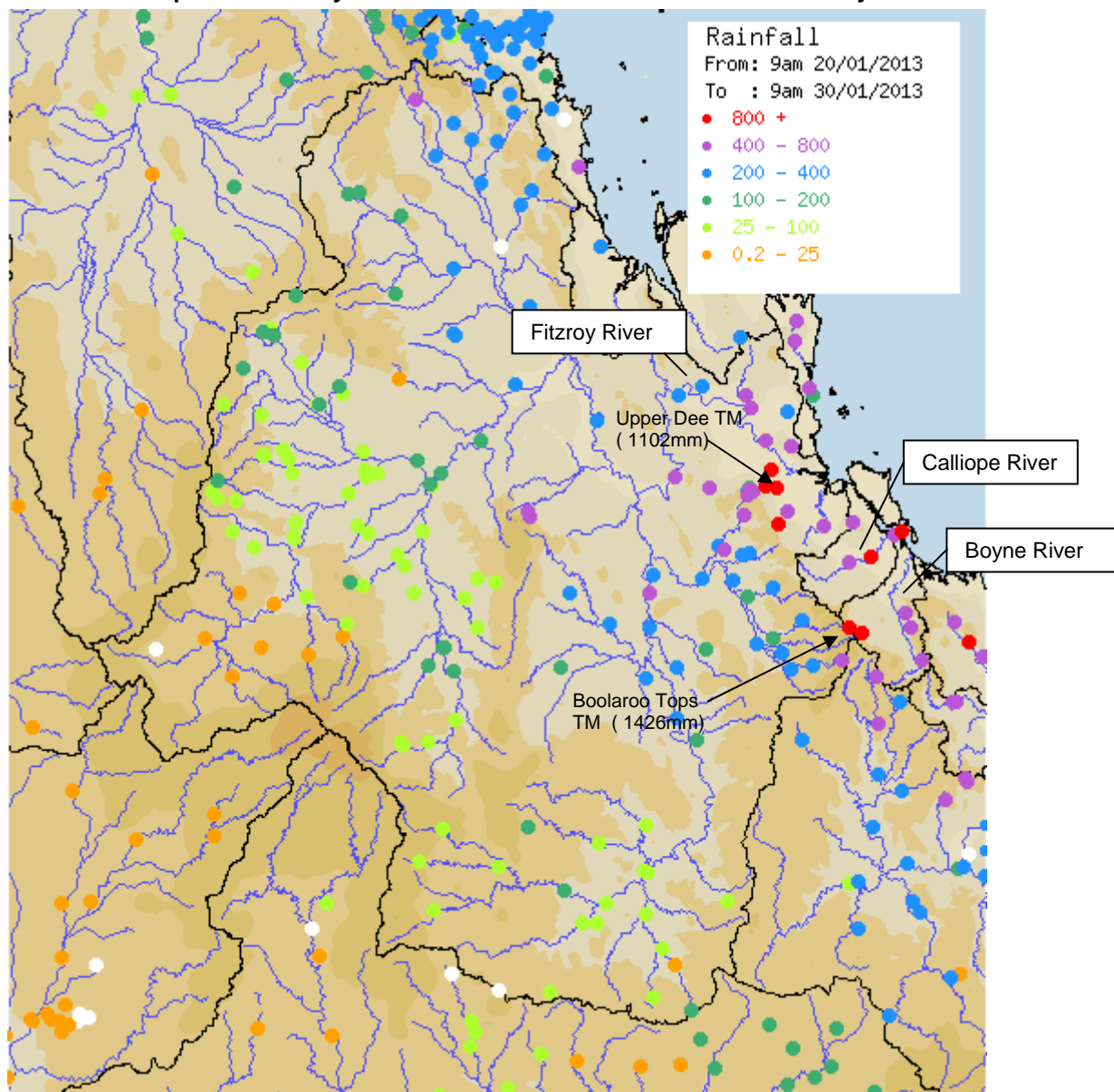


Figure 3.2.2 Rainfall map of the Fitzroy River catchment from the 20th to 30th January 2013



The highest rainfall totals (in excess of 800mm) were recorded in the Burnett, Baffle and Boyne catchments and also in the Don River (Fitzroy catchment). An analysis of the rainfall intensities at Upper Dee TM in the Don River catchment is presented in Figure 3.3.1.

Figure 3.2.3 Rainfall map of the Burnett River catchment from the 20th to 30th January 2013

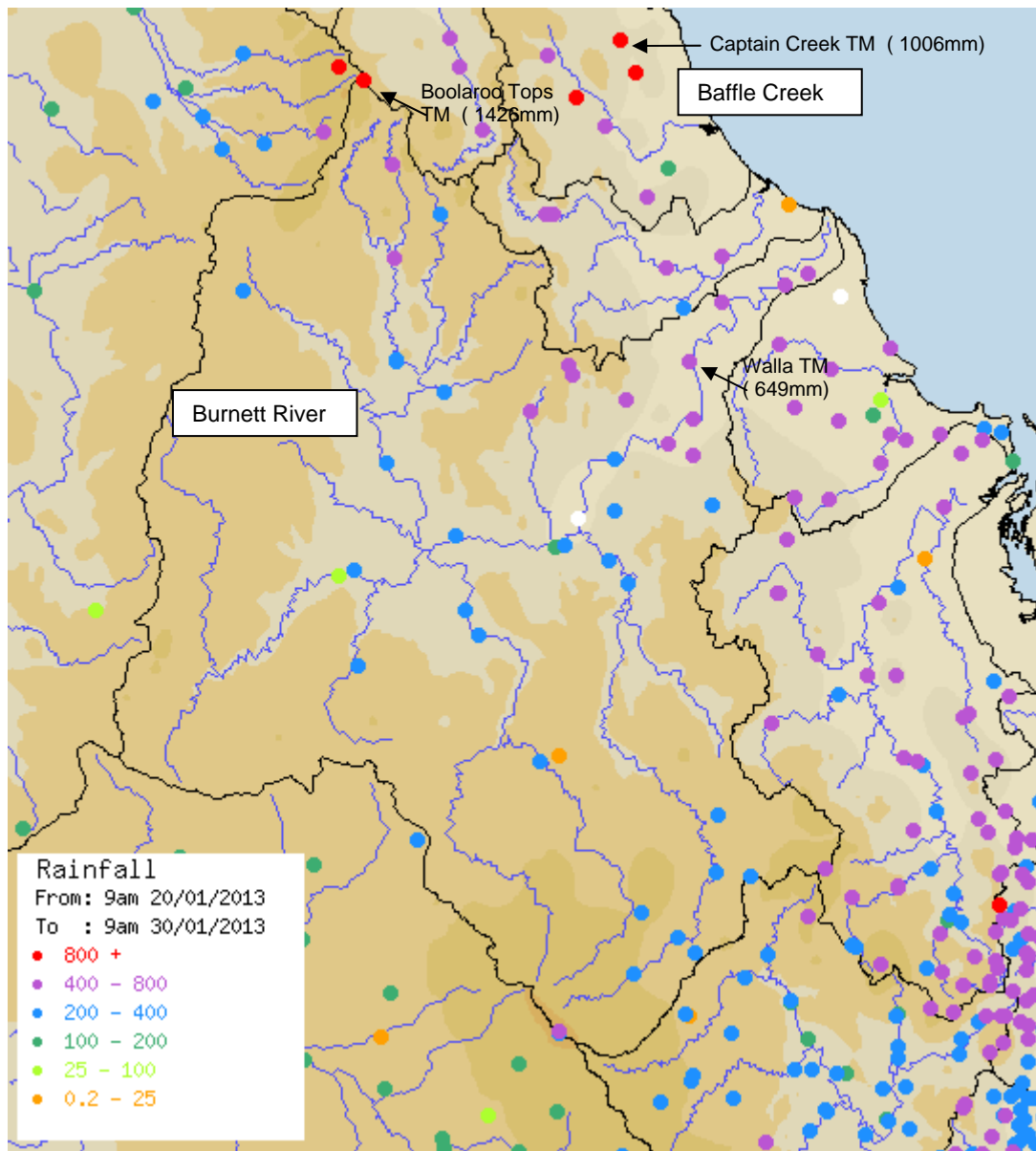
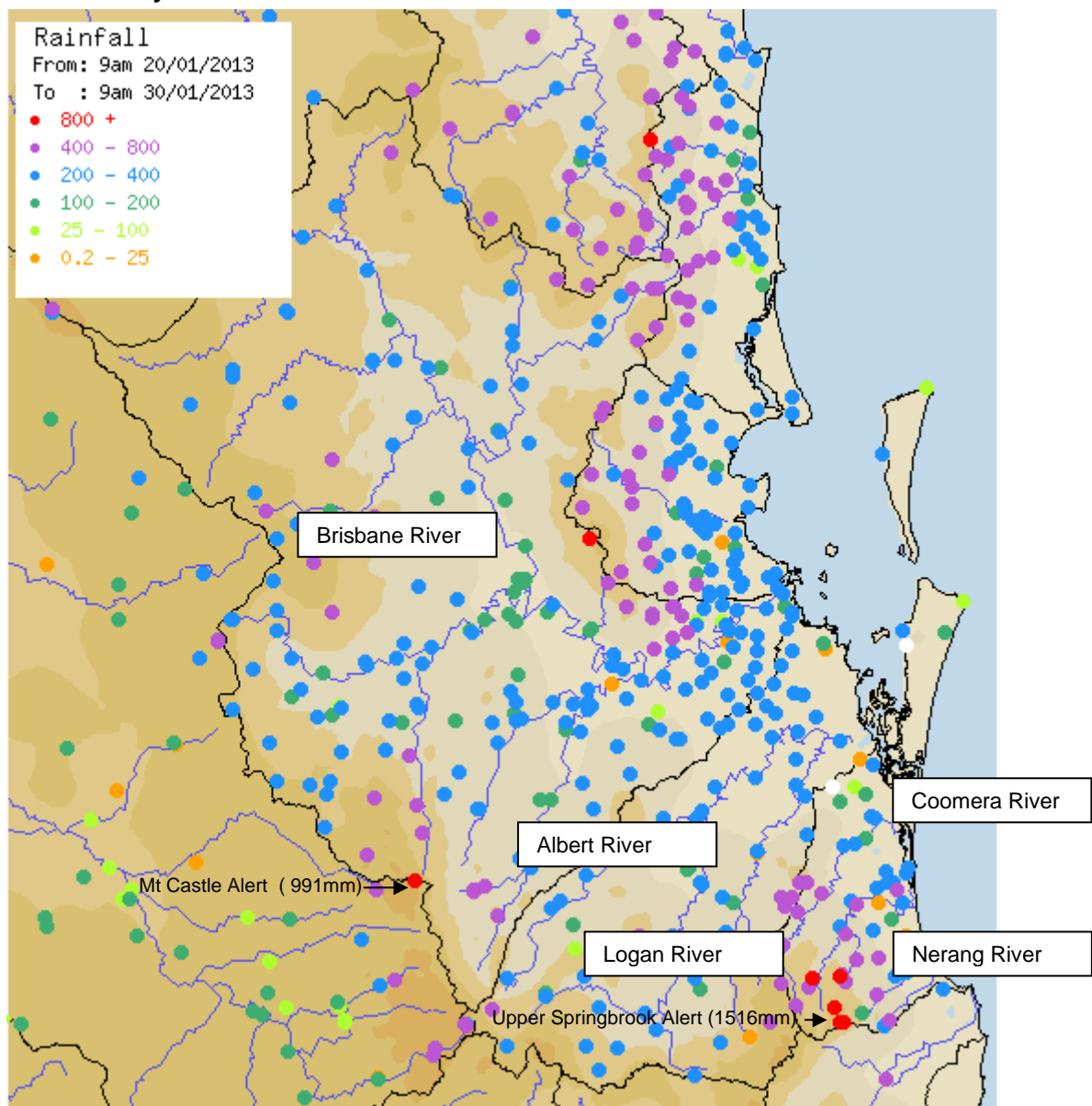


Figure 3.2.4 Rainfall map of the Brisbane, Albert, Logan, Coomera and Nerang River catchments from the 20th to 30th January 2013



The highest rainfall totals for the period from the 20th to 30th of January 2013 in southeast Queensland occurred at Mt Castle Alert (991 millimetres) and Upper Springbrook Alert (1516 millimetres).

3.3 Rainfall Intensity

Hourly hyetographs and an analysis of the duration and intensity of the most significant rainfall totals following Ex-Tropical Cyclone Oswald are presented in Figures 3.3.1 and 3.3.2 and Tables 3.3.1 and 3.3.2 respectively. The selected sites include Upper Dee TM on the Don River in the Fitzroy River catchment, Walla TM in the Burnett River catchment, Mt Castle Alert on Laidley Creek in the Brisbane River catchment and Upper Springbrook Alert in the Nerang River catchment.

Short duration rainfall intensities (less than 1 hour) for all locations were typically insignificant with at least a 10% chance of being exceeded in any one year.

Rainfall intensities for durations of 2 and 3 hours were typically between 1 to 2% AEP (Annual Exceedance Probability) except the 136 millimetres of rain that fell at Mt Castle in the three hours to 4:05am on the 28th January 2013, which exceeds the 1% AEP; that is the 1 in 100 year ARI (Average Recurrence Interval).

The most statistically significant rainfall intensities occurred over durations of 6, 12, 24, 48 and 72 hours where a large number of rainfall stations exceeded the 1% AEP, as is evident from the data presented in Figures 3.3.1 and 3.3.2 of rainfall stations that recorded the highest rainfall totals for the event.

Refer to http://www.bom.gov.au/qld/flood/brochures/river_maps.shtml for the location of rainfall stations used in Figures 3.3.1 and 3.3.2.

Note: A flood frequency analysis would be required to assess the probability of flood peaks recorded at each location. The frequency analysis in this report is for rainfall only.

Figure 3.3.1 Hourly hyetographs for Upper Dee TM on the Don River in the Fitzroy River catchment and Walla TM in the Burnett River catchment.

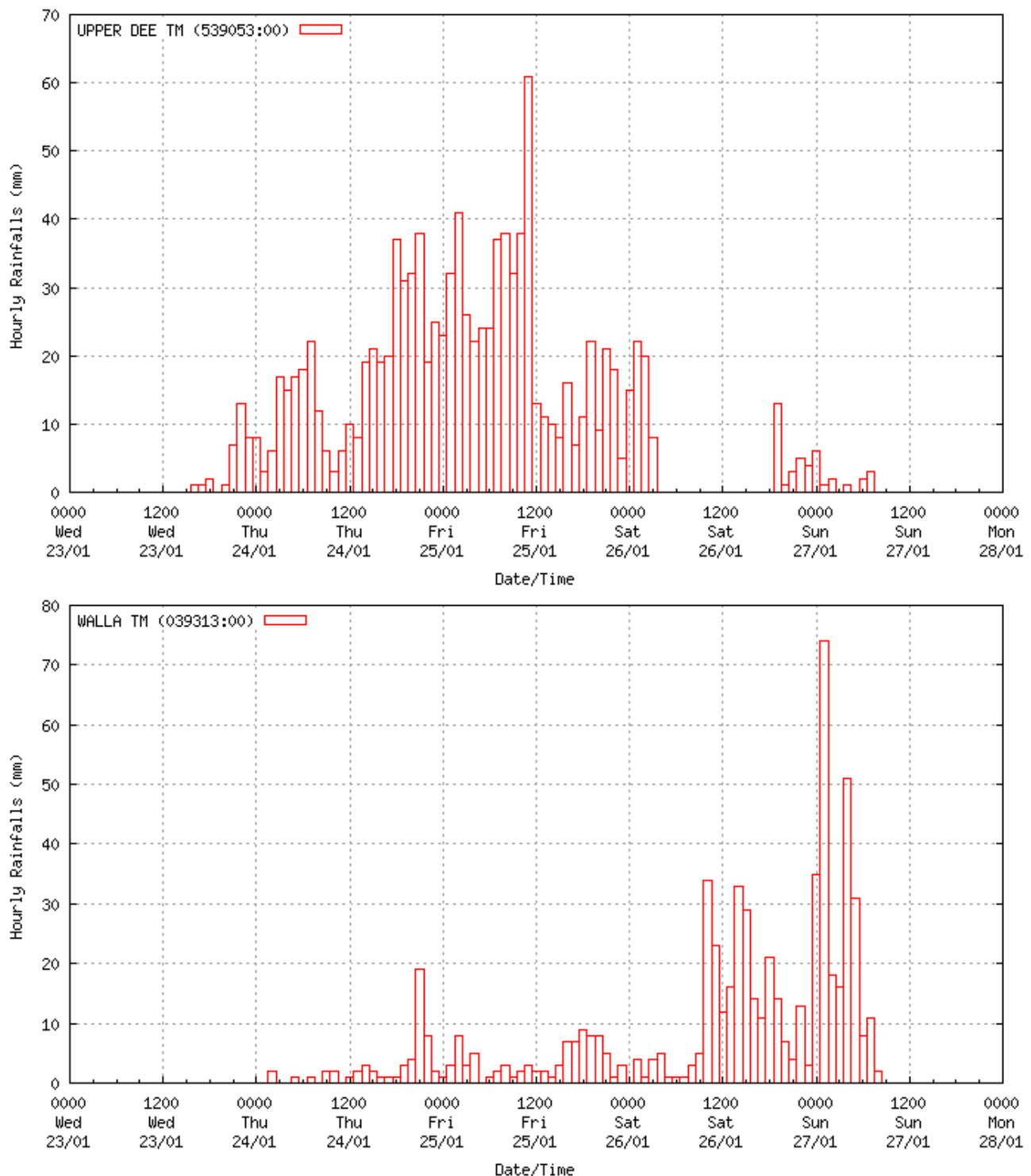


Table 3.3.1 Intensity Frequency Duration rainfall analysis for Upper Dee TM and Walla TM

RAINFALL INTENSITY FREQUENCY DURATION ANALYSIS		
LOCATION: 539053 UPPER DEE TM (Don River – Fitzroy)		
Analysis of the rainfall for the 120 hours to Mon Jan 28 00:00:00 2013		
Rainfall (mm)	Period Ending	ARI (years)
8	5 mins ending at 10:10:00 25/01/2013	1
9	6 mins ending at 10:11:00 25/01/2013	1
14	10 mins ending at 10:15:00 25/01/2013	1-2
24	20 mins ending at 10:15:00 25/01/2013	1-2
33	30 mins ending at 10:25:00 25/01/2013	2-5
63	60 mins ending at 10:55:00 25/01/2013	10-20
100	2 hours ending at 11:05:00 25/01/2013	20-50
132	3 hours ending at 10:55:00 25/01/2013	50-100
231	6 hours ending at 11:05:00 25/01/2013	> 100
401	12 hours ending at 11:10:00 25/01/2013	> 100
683	24 hours ending at 12:55:00 25/01/2013	> 100
1008	48 hours ending at 02:25:00 26/01/2013	> 100
1068	72 hours ending at 18:45:00 26/01/2013	> 100

RAINFALL INTENSITY FREQUENCY DURATION ANALYSIS		
LOCATION: 039313 WALLA TM (Burnett River)		
Analysis of the rainfall for the 120 hours to Mon Jan 28 00:00:00 2013		
Rain (mm)	Period Ending	ARI (years)
10	5 mins ending at 09:35:00 26/01/2013	1-2
11	6 mins ending at 14:11:00 26/01/2013	1-2
18	10 mins ending at 00:50:00 27/01/2013	2
31	20 mins ending at 00:55:00 27/01/2013	2-5
40	30 mins ending at 00:55:00 27/01/2013	2-5
74	60 mins ending at 01:00:00 27/01/2013	20-50
115	2 hours ending at 01:20:00 27/01/2013	50-100
127	3 hours ending at 02:00:00 27/01/2013	50-100
226	6 hours ending at 04:45:00 27/01/2013	> 100
288	12 hours ending at 04:40:00 27/01/2013	> 100
487	24 hours ending at 07:10:00 27/01/2013	> 100
569	48 hours ending at 07:10:00 27/01/2013	> 100
644	72 hours ending at 07:10:00 27/01/2013	> 100

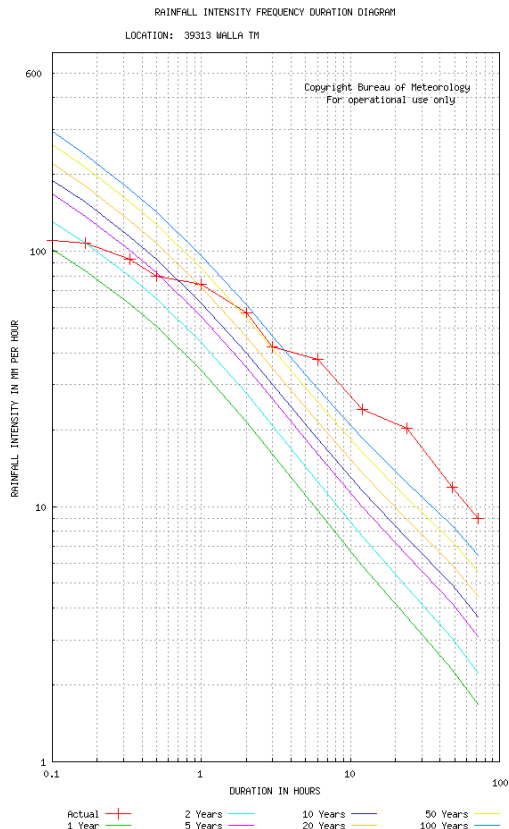
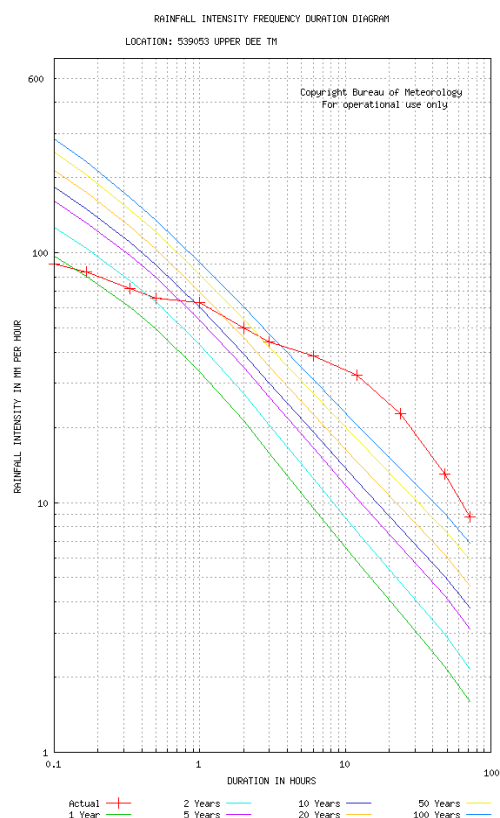


Figure 3.3.2 Hourly hyetographs for Mt Castle Alert on Laidley Creek in the Brisbane River catchment and Upper Springbrook Alert in the Nerang River catchment

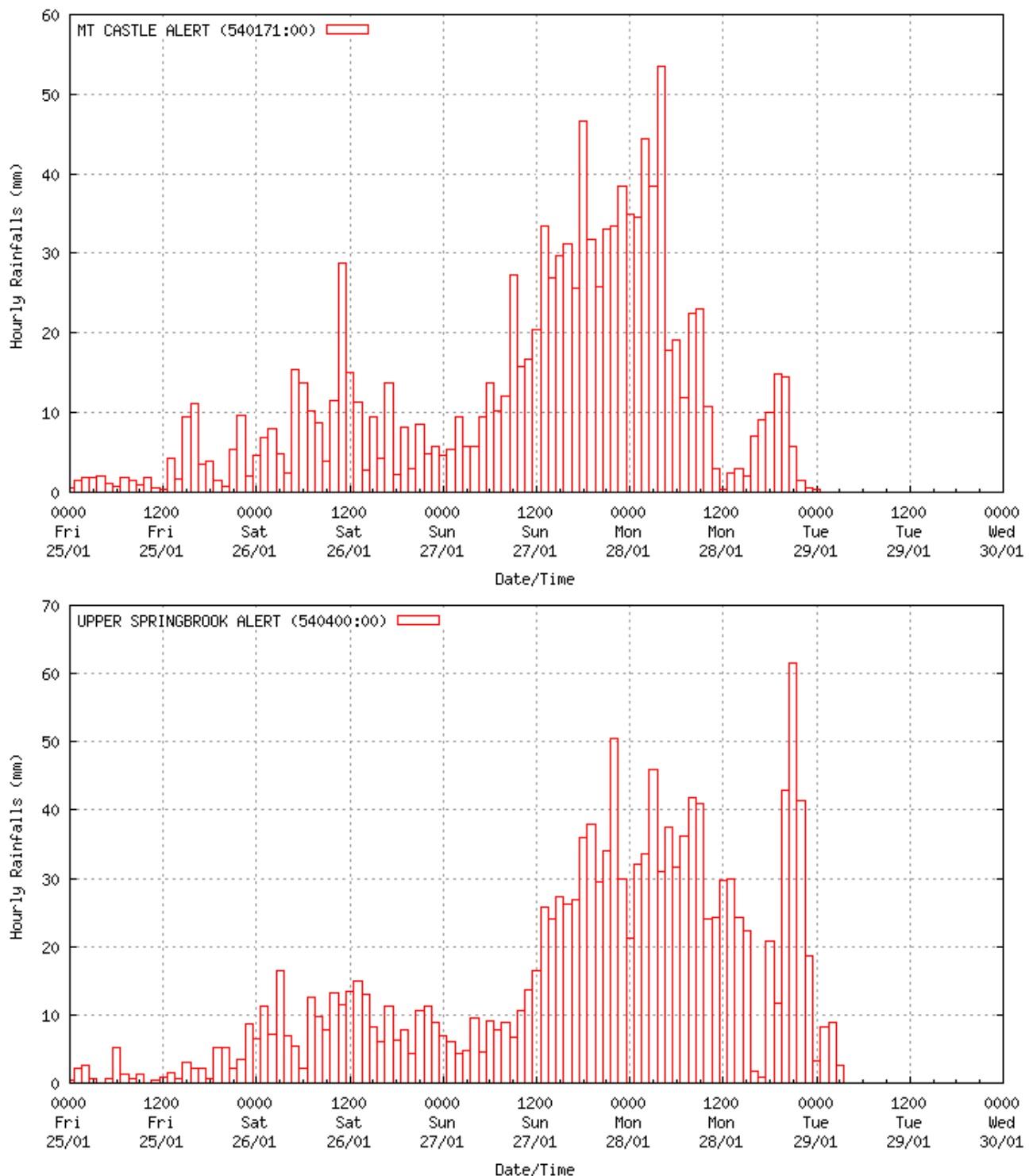
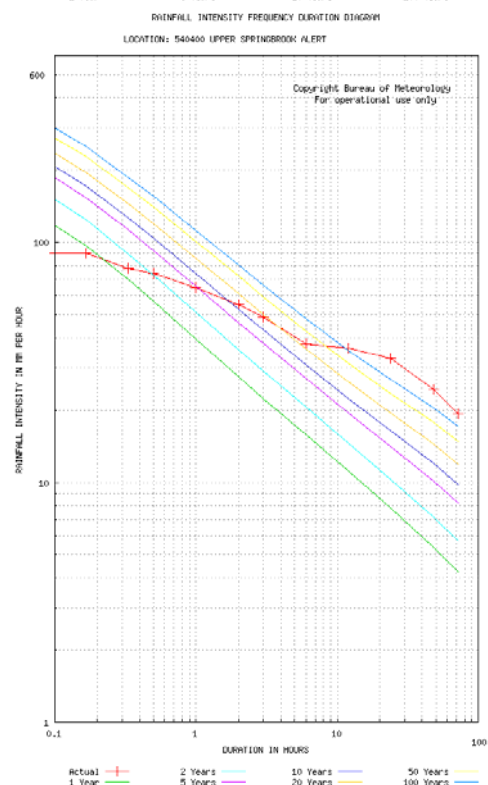
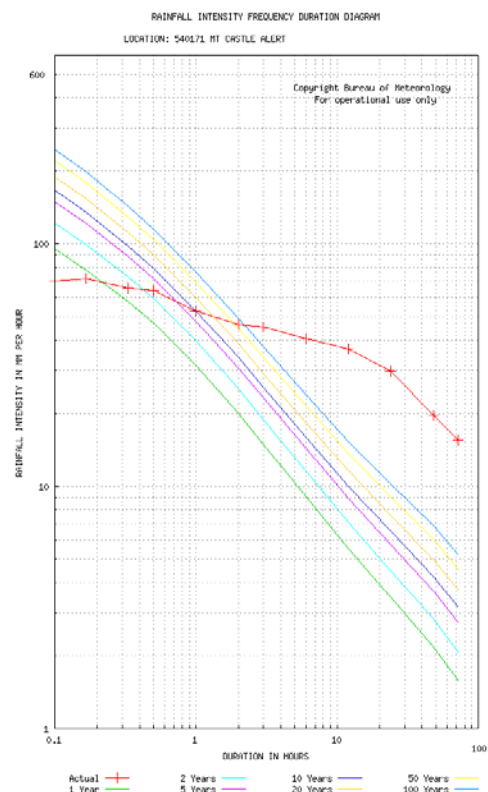


Table 3.3.2 Intensity Frequency Duration rainfall analysis for Mt Castle Alert and Upper Springbrook Alert

RAINFALL INTENSITY FREQUENCY DURATION ANALYSIS		
LOCATION: 540171 MT CASTLE ALERT (Brisbane River)		
Analysis of the rainfall for the 120 hours to Wed Jan 30 00:00:00 2013		
Rain (mm)	Period Ending	ARI (years)
6	5 mins ending at 03:35:00 28/01/2013	< 1
7	6 mins ending at 03:36:00 28/01/2013	< 1
12	10 mins ending at 03:40:00 28/01/2013	< 1
22	20 mins ending at 03:40:00 28/01/2013	1-2
32	30 mins ending at 03:45:00 28/01/2013	2-5
53	60 mins ending at 04:05:00 28/01/2013	10
93	2 hours ending at 04:05:00 28/01/2013	50-100
136	3 hours ending at 04:05:00 28/01/2013	> 100
244	6 hours ending at 04:05:00 28/01/2013	> 100
441	12 hours ending at 04:05:00 28/01/2013	> 100
714	24 hours ending at 08:05:00 28/01/2013	> 100
944	48 hours ending at 09:45:00 28/01/2013	> 100
1117	72 hours ending at 20:25:00 28/01/2013	> 100

RAINFALL INTENSITY FREQUENCY DURATION ANALYSIS		
LOCATION: 540400 UPPER SPRINGBROOK ALERT (Nerang River)		
Analysis of the rainfall for the 120 hours to Wed Jan 30 00:00:00 2013		
Rain (mm)	Period Ending	ARI (years)
8	5 mins ending at 20:55:00 28/01/2013	< 1
9	6 mins ending at 20:56:00 28/01/2013	< 1
15	10 mins ending at 20:55:00 28/01/2013	< 1
26	20 mins ending at 21:05:00 28/01/2013	1-2
37	30 mins ending at 20:55:00 28/01/2013	2-5
65	60 mins ending at 21:20:00 28/01/2013	5
110	2 hours ending at 21:15:00 28/01/2013	10-20
146	3 hours ending at 22:05:00 28/01/2013	10-20
226	6 hours ending at 08:15:00 28/01/2013	20-50
433	12 hours ending at 08:35:00 28/01/2013	> 100
787	24 hours ending at 12:30:00 28/01/2013	> 100
1168	48 hours ending at 02:15:00 29/01/2013	> 100
1391	72 hours ending at 23:00:00 28/01/2013	> 100



3.4 Flood Warning Services

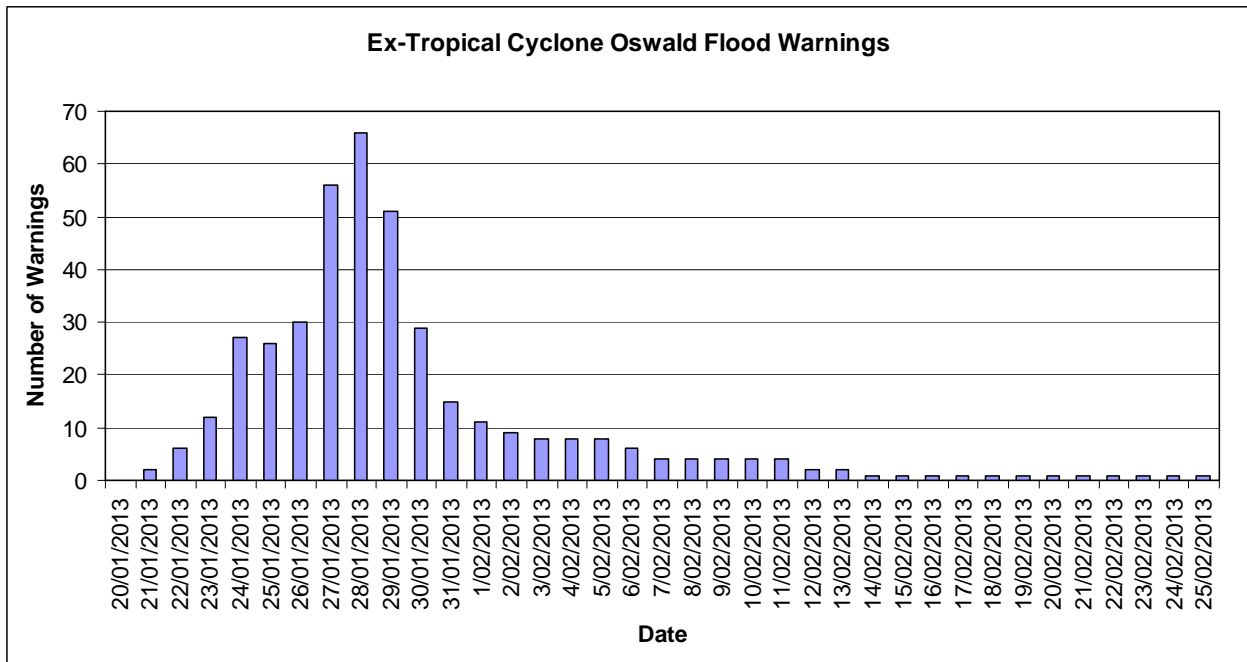
During the Ex-Tropical Cyclone Oswald event, a total of 406 flood warnings were issued between the 23rd of January and the 25th of February 2013, with half of those warnings issued over a 96 hour period between the 26th and the 29th of January 2013. The number of flood warnings issued for each river basin or region and the date for the first and final warning is outlined in Table 3.4.1. As is evident, the largest number of warnings was issued for the Condamine-Balonne River catchment where the heavy rain fell over the upper reaches of the catchment and the travel time along the river system to the south of the New South Wales and Queensland border is several weeks.

Table 3.4.1 Number of Flood Warnings issued for each catchment during Ex-Tropical Cyclone Oswald

Catchment	First Warning	Last Warning	Number Issued
Coastal Rivers - North	23/1/2013	24/1/2013	7
Coastal Rivers - Central	24/1/2013	25/1/2013	5
Coastal Rivers – South	25/1/2013	28/1/2013	15
Tully River	21/1/2013	25/1/2013	17
Herbert River	22/1/2013	25/1/2013	12
Haughton River	24/1/2013	25/1/2013	7
Burdekin River	25/1/2013	26/1/2013	3
Don River and Adj. Streams	24/1/2013	25/1/2013	8
Pioneer River	24/1/2013	25/1/2013	2
Fitzroy River	24/1/2013	5/2/2013	35
Burnett River	25/1/2013	1/2/2013	39
Kolan, Baffle, Boyne & Calliope	25/1/2013	30/1/2013	22
Burrum River	26/1/2013	29/1/2013	11
Mary River	26/1/2013	1/2/2013	33
Sunshine Coast Rivers	27/1/2013	29/1/2013	10
Upper Brisbane	27/1/2013	29/1/2013	14
Lower Brisbane	27/1/2013	31/1/2013	20
Logan-Albert	27/1/2013	31/1/2013	23
Coomera, Nerang	27/1/2013	29/1/2013	7
Condamine-Balonne Rivers	27/1/2013	25/2/2013	55
Border Rivers	27/1/2013	13/2/2013	35
Moonie River	27/1/2013	11/2/2013	26

Figure 3.4.1 shows the number of flood warnings that were issued per day during the Ex-Tropical Cyclone Oswald event. The greatest number of flood warnings were issued on the 28th January 2013 at which time flooding was occurring in Baffle Creek and the Fitzroy, Burnett, Kolan, Boyne, Calliope, Burrum, Mary, Brisbane, Logan, Albert, Coomera, Nerang, Condamine-Balonne, Border, Moonie and Sunshine Coast Rivers.

Figure 3.4.1 Number of Flood Warnings issued per day during Ex-Tropical Cyclone Oswald



Appendix 1. Peak Heights

Outlined below is a list of peak heights recorded during the Ex TC Oswald event. Only stations that exceeded the minor flood level are given and data used is operational only, errors may exist.

Basin	Station Number	Station Name	Height	Flood Class	Time
BAFFLE	539085	MIMDALE TM	21.992	Major	27/01/2013 04:15
BARRON	531037	BOLTON ROAD ALERT	6.18	Moderate	23/01/2013 14:03
BORDER RIVERS	541081	STORM KING DAM HEADWATER ALERT	0.1	Minor	29/01/2013 01:12
BORDER RIVERS	541085	DALCOUTH AL	1.75	Minor	28/01/2013 03:32
BORDER RIVERS	541086	GRANITE STREET ALERT	1.03	Minor	28/01/2013 06:19
BORDER RIVERS	541087	STANTHORPE ALERT	3.17	Minor	28/01/2013 07:32
BORDER RIVERS	541073	STANTHORPE TM	2.55	Minor	28/01/2013 08:30
BORDER RIVERS	41540	BEARDY JUNCTION	4.8	Minor	29/01/2013 06:00
BORDER RIVERS	541066	BEEBO TM	4.832	Major	28/01/2013 08:00
BORDER RIVERS	41133	WOODSPRING TM	6.45	Moderate	29/01/2013 00:00
BORDER RIVERS	41520	INGLEWOOD WEIR TM	5.504	Minor	28/01/2013 06:00
BORDER RIVERS	41519	BOOBA SANDS TM	6.958	Minor	28/01/2013 19:00
BORDER RIVERS	41506	BENGALLA TM	7.182	Moderate	30/01/2013 12:00
BORDER RIVERS	41507	NEW KILDONAN TM	8.485	Moderate	30/01/2013 03:50
BORDER RIVERS	41350	GOONDIWINDI	8.73	Major	30/01/2013 11:00
BORDER RIVERS	541030	GOONDIWINDI WEIR TM	7.447	Moderate	30/01/2013 12:00
BORDER RIVERS	541070	CARANA WEIR TM	5.906	Major	31/01/2013 05:00
BORDER RIVERS	41508	O'CONNOR TM	13.062	Major	28/01/2013 14:20
BORDER RIVERS	41485	RETREAT BRIDGE TM	12.71	Major	28/01/2013 23:00
BORDER RIVERS	41488	BALLYMENA TM	11.223	Major	30/01/2013 05:50
BORDER RIVERS	41124	KILBRONAE TM	4.175	Major	28/01/2013 18:10
BORDER RIVERS	542004	GUNN BRIDGE (DERM) TM	7.607	Major	30/01/2013 10:20
BORDER RIVERS	41489	MEDPARK BRIDGE TM	6.021	Major	28/01/2013 20:20
BORDER RIVERS	41366	GIDDI GIDDI SOUTH	6.75	Major	30/01/2013 09:00
BORDER RIVERS	41112	GIDDI GIDDI SOUTH TM	6.557	Major	29/01/2013 20:40
BORDER RIVERS	42097	HARTMANN BRIDGE TM	6.064	Major	30/01/2013 20:00
BORDER RIVERS	42104	SURREY TM	5.973	Major	1/02/2013 01:00
BORDER RIVERS	42108	TALWOOD TM	5.31	Major	2/02/2013 02:30
BORDER RIVERS	42066	TALWOOD	4.7	Major	1/02/2013 15:00
BORDER RIVERS	542005	JERICO TM	3.699	Major	3/02/2013 21:00
BRISBANE	540046	PEACHESTER WRC TM	8.556	Moderate	27/01/2013 14:20
BRISBANE	540059	PEACHESTER ALERT	8.9	Moderate	27/01/2013 14:18
BRISBANE	540485	WOODFORD TM	7.806	Moderate	27/01/2013 21:00
BRISBANE	540337	WOODFORD ALERT-P	7.89	Moderate	27/01/2013 21:01
BRISBANE	540338	WOODFORD ALERT-B	7.81	Moderate	27/01/2013 20:24
BRISBANE	540044	COOYAR CREEK TM	6.701	Moderate	27/01/2013 21:39
BRISBANE	540146	COOYAR CREEK ALERT	6.66	Moderate	27/01/2013 21:07
BRISBANE	540040	LINVILLE TM	7.645	Major	27/01/2013 14:40
BRISBANE	540261	LINVILLE ALERT	7.65	Major	27/01/2013 14:16
BRISBANE	540188	DEVON HILLS ALERT	8.33	Major	27/01/2013 15:10
BRISBANE	540045	BOAT MOUNTAIN TM	8.427	Major	27/01/2013 18:50
BRISBANE	540141	BOAT MOUNTAIN ALERT	8.48	Major	27/01/2013 17:57
BRISBANE	40822	GREGOR CREEK TM	11.253	Major	27/01/2013 17:00
BRISBANE	540139	GREGOR CK ALERT-P	11.14	Major	27/01/2013 16:53
BRISBANE	540140	GREGOR CK ALERT-B	6.22	Moderate	27/01/2013 12:23

BRISBANE	40823	ROSENTERERS BRIDGE TM	6.687	Major	27/01/2013 15:21
BRISBANE	540148	ROSENTERERS BRIDGE AL	6.68	Major	27/01/2013 15:10
BRISBANE	540566	UPPER LOCKYER ALERT	3.45	Minor	27/01/2013 14:27
BRISBANE	40829	HELIDON TM	5.73	Minor	27/01/2013 15:28
BRISBANE	540143	HELIDON ALERT	5.76	Minor	27/01/2013 15:10
BRISBANE	540386	SANDY CREEK ROAD ALERT	5.6	Major	27/01/2013 16:05
BRISBANE	540568	JUNCTION VIEW ALERT	2.1	Moderate	27/01/2013 11:40
BRISBANE	540067	TENTHILL TM	6.764	Major	28/01/2013 04:10
BRISBANE	540152	TENTHILL ALERT	6.73	Major	28/01/2013 03:59
BRISBANE	540156	GATTON ALERT	13.58	Moderate	28/01/2013 06:19
BRISBANE	540567	MOON ROAD ALERT	4.2	Moderate	28/01/2013 01:51
BRISBANE	40835	MULGOWIE TM	9.267	Major	28/01/2013 07:00
BRISBANE	540528	MULGOWIE ALERT	9.11	Major	28/01/2013 06:31
BRISBANE	540047	SHOWGROUND WEIR HW TM	9.258	Major	28/01/2013 11:45
BRISBANE	540158	SHOWGROUND WEIR ALERT	9.26	Major	28/01/2013 00:51
BRISBANE	540050	WARREGO HIGHWAY TM	7.411	Major	28/01/2013 05:00
BRISBANE	540149	GLENORE GROVE ALERT	15.1	Major	28/01/2013 08:49
BRISBANE	540174	LYONS BRIDGE ALERT-P	17.46	Major	28/01/2013 00:00
BRISBANE	40817	RIFLE RANGE ROAD TM	16.73	Major	28/01/2013 16:10
BRISBANE	540544	RIFLE RANGE ROAD ALERT	16.7	Major	28/01/2013 15:54
BRISBANE	540051	O'REILLY'S WEIR TM	15.102	Moderate	28/01/2013 19:20
BRISBANE	540153	O'REILLY'S WEIR ALERT	15.26	Moderate	28/01/2013 19:08
BRISBANE	540066	SAVAGES CROSSING TM	12.047	Minor	29/01/2013 03:00
BRISBANE	540150	SAVAGES CROSSING ALERT	12.1	Minor	29/01/2013 02:54
BRISBANE	40818	MT CROSBY TM	13.396	Moderate	29/01/2013 07:20
BRISBANE	540199	MT CROSBY ALERT	13.41	Moderate	29/01/2013 08:04
BRISBANE	540068	ADAMS BRIDGE TM	5.246	Moderate	28/01/2013 02:47
BRISBANE	540157	ADAMS BRIDGE ALERT	5.23	Moderate	28/01/2013 02:31
BRISBANE	540314	SPRESSERS BRIDGE ALERT	6.16	Major	28/01/2013 00:59
BRISBANE	540064	GRANDCHESTER ALERT	5.1	Major	27/01/2013 15:31
BRISBANE	540583	KUSS ROAD TM	7.835	Moderate	27/01/2013 20:38
BRISBANE	540194	KUSS ROAD ALERT	7.84	Moderate	27/01/2013 19:10
BRISBANE	540081	WALLOON TM	9.863	Major	28/01/2013 06:00
BRISBANE	540147	WALLOON ALERT-P	8.12	Major	28/01/2013 03:22
BRISBANE	540504	WALLOON (DERM) AL	9.85	Major	28/01/2013 05:43
BRISBANE	540248	CHURCHILL ALERT	5	Moderate	28/01/2013 20:08
BRISBANE	540193	ROSEWOOD ALERT	6.85	Major	28/01/2013 00:42
BRISBANE	540388	ROSEWOOD AL-B	6.85	Major	28/01/2013 00:27
BRISBANE	40838	THREE MILE BRIDGE ALERT	28.61	Major	28/01/2013 19:11
BRISBANE	40440	KALBAR	11	Major	28/01/2013 06:00
BRISBANE	540057	KALBAR WEIR TW TM	10.401	Major	28/01/2013 05:40
BRISBANE	540151	KALBAR WEIR ALERT	78.83	Major	27/01/2013 16:30
BRISBANE	540154	HARRISVILLE ALERT	6.06	Major	28/01/2013 04:16
BRISBANE	540387	HARRISVILLE AL-B	5.77	Major	28/01/2013 06:21
BRISBANE	540217	CHURCHBANK WEIR TM	31.962	Major	29/01/2013 16:50
BRISBANE	540316	CHURCHBANK WEIR ALERT	5.76	Major	28/01/2013 21:22
BRISBANE	40816	AMBERLEY (DERM) TM	10.208	Major	28/01/2013 20:00
BRISBANE	540180	AMBERLEY ALERT-P	8.91	Major	28/01/2013 14:44
BRISBANE	540505	AMBERLEY (DERM) AL	10.2	Major	28/01/2013 19:35
BRISBANE	540065	PEAK CROSSING ALERT	4.76	Moderate	27/01/2013 22:27
BRISBANE	540062	LOAMSIDE ALERT	6.94	Moderate	28/01/2013 02:34

BRISBANE	540210	LOAMSIDE TM	8.18	Major	28/01/2013 02:50
BRISBANE	40836	ONE MILE BRIDGE ALERT	19.05	Major	28/01/2013 20:18
BRISBANE	40101	IPSWICH	13	Major	28/01/2013 13:30
BRISBANE	40831	IPSWICH ALERT	13.9	Major	28/01/2013 21:24
BRISBANE	540198	BRISBANE CITY ALERT	2.32	Minor	28/01/2013 09:32
BRISBANE	40873	HARDING STREET ALERT	24.83	Minor	27/01/2013 22:23
BRISBANE	40872	BLACKSTONE BRIDGE ALERT	19.89	Minor	27/01/2013 23:30
BRISBANE	40875	BUNDAMBA SCHOOL ALERT	16.28	Moderate	28/01/2013 00:31
BRISBANE	40795	OPOSSUM ALERT	24.4	Major	27/01/2013 19:02
BRISBANE	40874	BRISBANE ROAD ALERT	11.52	Major	26/01/2013 07:21
BRISBANE	40719	NEW BEITH TM	5.386	Moderate	27/01/2013 21:40
BRISBANE	40796	BEATTY ROAD ALERT	6.24	Minor	28/01/2013 10:48
BRISBANE	540432	MARSHALL RD AL	4.87	Minor	27/01/2013 18:11
BRISBANE	540071	CORINDA HIGH ALERT	4.05	Minor	28/01/2013 14:45
BRISBANE	540433	MURIEL AVE AL	4.71	Minor	27/01/2013 17:28
BRISBANE	540274	OXLEY CREEK MOUTH ALERT	3.36	Minor	29/01/2013 11:22
BRISBANE	540132	EAST BRISBANE ALERT	2.71	Minor	27/01/2013 17:38
BRISBANE	540061	MISTY MORN ALERT	9.64	Minor	27/01/2013 19:41
BRISBANE	40813	UPPER BROOKFIELD	3.908	Moderate	27/01/2013 19:00
BRISBANE	540119	ENOGGERA DAM ALERT	78.91	Moderate	28/01/2013 03:04
BRISBANE	540130	BOWEN HILLS ALERT	2.72	Moderate	27/01/2013 20:37
BRISBANE	540286	BREAKFAST CREEK MOUTH AL	2.12	Moderate	28/01/2013 10:40
BURDEKIN	533102	JACKS CREEK TM	12.885	Minor	25/01/2013 12:40
BURDEKIN	533015	JACKS CREEK ALERT	13.02	Minor	25/01/2013 12:38
BURDEKIN	533024	MYUNA TM	7.502	Minor	25/01/2013 11:00
BURDEKIN	33292	MYUNA ALERT	7.51	Minor	25/01/2013 10:37
BURNETT	539092	CANIA DAM HW TM	3.447	Major	27/01/2013 01:15
BURNETT	39000	ABERCORN	11.15	Major	27/01/2013 09:00
BURNETT	39319	ABERCORN TM	11.15	Major	27/01/2013 08:11
BURNETT	539052	LANDS END TM	11.892	Major	26/01/2013 23:50
BURNETT	539035	JOHN GOLEBY WEIR HW TM	9.49	Moderate	27/01/2013 07:30
BURNETT	39318	CERATODUS TM	19.929	Major	27/01/2013 08:00
BURNETT	539051	WURUMA DAM HW TM	3.739	Major	27/01/2013 07:00
BURNETT	539074	WURUMA DAM TW TM	5.708	Major	26/01/2013 22:58
BURNETT	39259	EIDSVOLD BRIDGE	7.2	Minor	29/01/2013 17:00
BURNETT	39321	EIDSVOLD TM	20.211	Major	27/01/2013 08:50
BURNETT	39324	MARRIAGES TM	17.46	Major	27/01/2013 15:30
BURNETT	39177	GLENWOOD	11.2	Moderate	27/01/2013 12:00
BURNETT	539037	DYKEHEAD TM	9.545	Moderate	27/01/2013 13:30
BURNETT	539042	BROVINIA TM	12.073	Major	27/01/2013 11:00
BURNETT	540056	CARTERS TM	10.079	Major	27/01/2013 15:00
BURNETT	540055	PROSTON TM	12.428	Major	27/01/2013 21:00
BURNETT	540262	BOONDOOMA DAM HW TM	6.169	Major	28/01/2013 06:30
BURNETT	40455	DUNOLLIE	12.98	Major	28/01/2013 07:30
BURNETT	539069	COORANGA TM	15.486	Major	28/01/2013 13:00
BURNETT	539038	DERRA TM	18.57	Major	27/01/2013 23:45
BURNETT	39073	MUNDUBBERA	23	Major	28/01/2013 01:00
BURNETT	39320	MUNDUBBERA TW TM	17.668	Major	27/01/2013 12:50
BURNETT	39323	GAYNDAH FLUME TM	18.741	Major	27/01/2013 12:10
BURNETT	540041	BROOKLANDS TM	8.626	Major	27/01/2013 15:20
BURNETT	40500	EMBREYS BRIDGE	7.05	Major	27/01/2013 18:00

BURNETT	540042	GLENMORE TM	5.64	Major	28/01/2013 03:00
BURNETT	540053	BJELKE-PETERSEN DAM HW TM	2.705	Minor	28/01/2013 17:00
BURNETT	40834	LITZOWS TM	12.309	Major	27/01/2013 12:00
BURNETT	540361	JOE SIPPEL WEIR TW TM	9.729	Major	27/01/2013 12:50
BURNETT	540077	FICKS CROSSING TM	10.967	Major	27/01/2013 18:30
BURNETT	539073	SILVERLEAF WEIR TW TM	7.713	Minor	27/01/2013 09:30
BURNETT	539077	SILVERLEAF WEIR HW TM	4.789	Major	27/01/2013 22:45
BURNETT	540075	ETTIWYN TM	11.389	Major	27/01/2013 12:10
BURNETT	40827	BAN BAN TM	14.007	Major	27/01/2013 09:00
BURNETT	40428	BRIAN PASTURES	13	Major	27/01/2013 08:30
BURNETT	39193	MT LAWLESS TM	17.986	Major	28/01/2013 13:40
BURNETT	539045	CORINGA TM	15.176	Major	27/01/2013 09:10
BURNETT	539108	PARADISE DAM HW TM	71.884	Major	27/01/2013 04:30
BURNETT	39184	PARADISE DAM	76.25	Major	28/01/2013 19:00
BURNETT	539021	FIG TREE TM	22.256	Major	28/01/2013 22:20
BURNETT	39313	WALLA TM	23.248	Major	28/01/2013 22:40
BURNETT	539089	WALLA WEIR HW TM	27.588	Major	29/01/2013 12:45
BURNETT	539058	WOONGARRA P/S TM	17.555	Major	29/01/2013 12:15
BURNETT	39170	BUNDABERG	9.525	Major	29/01/2013 15:00
BURRUM	40907	HOWARD ALERT	11.97	Major	27/01/2013 13:33
BURRUM	40904	RAILWAY BRIDGE ALERT	9.97	Major	27/01/2013 09:21
BURRUM	40903	PACIFIC HAVEN ALERT	5.6	Major	27/01/2013 12:32
BURRUM	540076	BRUCE HIGHWAY TM	14.289	Major	27/01/2013 12:10
BURRUM	539059	ELLIOTT TM	6.148	Major	27/01/2013 10:00
BURRUM	539060	DR MAYS CROSSING TM	4.539	Major	27/01/2013 11:00
BURRUM	539061	BURRUM HIGHWAY TM	13.601	Major	27/01/2013 14:00
CONDAMINE-BALONNE	41046	THE HEAD	5	Major	28/01/2013 09:00
CONDAMINE-BALONNE	541039	BROSNANS BARN TM	6.462	Major	28/01/2013 08:00
CONDAMINE-BALONNE	41537	KILLARNEY ALERT	6.25	Major	27/01/2013 22:48
CONDAMINE-BALONNE	41494	ELBOW VALLEY TM	6.211	Major	28/01/2013 14:00
CONDAMINE-BALONNE	41535	ELBOW VALLEY ALERT	6.1	Major	28/01/2013 12:44
CONDAMINE-BALONNE	41533	EMU VALE ALERT	8.91	Major	28/01/2013 06:20
CONDAMINE-BALONNE	541035	EMU VALE TM	8.894	Major	28/01/2013 06:20
CONDAMINE-BALONNE	41536	MURRAYS BRIDGE ALERT	8.4	Major	28/01/2013 10:12
CONDAMINE-BALONNE	541036	SWANFELS TM	4.428	Moderate	28/01/2013 05:00
CONDAMINE-BALONNE	41530	YANGAN ALERT	7.9	Minor	28/01/2013 06:22
CONDAMINE-BALONNE	41503	WARWICK (SCOTS COLLEGE) TM	6.886	Major	28/01/2013 15:00
CONDAMINE-BALONNE	41534	WARWICK ALERT	7.41	Major	28/01/2013 14:49
CONDAMINE-BALONNE	41531	GLENGALLAN CREEK ALERT	5.7	Major	27/01/2013 21:07
CONDAMINE-BALONNE	41473	PRATTEN	9.25	Major	28/01/2013 21:00
CONDAMINE-BALONNE	41501	PRATTEN ALERT	8.935	Major	28/01/2013 20:20
CONDAMINE-BALONNE	541038	TALGAI WEIR TW TM	7.234	Major	28/01/2013 23:00
CONDAMINE-BALONNE	41516	ALLORA TM	7.019	Major	28/01/2013 11:00
CONDAMINE-BALONNE	41404	ELLANGOWAN	4.7	Major	29/01/2013 06:00
CONDAMINE-BALONNE	41518	AIDES BRIDGE TM	5.685	Major	28/01/2013 11:00
CONDAMINE-BALONNE	41405	FELTON	3.9	Minor	27/01/2013 19:00
CONDAMINE-BALONNE	41515	FELTON TM	2.448	Moderate	28/01/2013 10:00
CONDAMINE-BALONNE	41499	TUMMAVILLE TM	10.739	Major	29/01/2013 13:00
CONDAMINE-BALONNE	541040	YARRAMALONG TM	7.001	Major	29/01/2013 18:15
CONDAMINE-BALONNE	41472	CENTENARY BRIDGE	8.2	Major	30/01/2013 08:00
CONDAMINE-BALONNE	41498	CECIL PLAINS TM	8.284	Major	31/01/2013 04:00

CONDAMINE-BALONNE	541047	PAMPAS BRIDGE TM	3.092	Moderate	30/01/2013 09:00
CONDAMINE-BALONNE	41479	FAIRVIEW TM	6.392	Major	28/01/2013 14:00
CONDAMINE-BALONNE	41339	LOUDOUN BRIDGE	10.5	Major	1/02/2013 09:00
CONDAMINE-BALONNE	541054	LOUDOUN BRIDGE TM	7.093	Major	31/01/2013 22:00
CONDAMINE-BALONNE	541043	CLYDESDALE ALERT	4.38	Major	28/01/2013 00:05
CONDAMINE-BALONNE	541042	MOFFATT ALERT	3.35	Minor	27/01/2013 20:57
CONDAMINE-BALONNE	541041	DALBY ALERT	2.56	Minor	28/01/2013 18:46
CONDAMINE-BALONNE	41486	WARRA-KOGAN RD BR	12.3	Major	2/02/2013 12:30
CONDAMINE-BALONNE	41490	BRIGALOW BRIDGE TM	12.391	Major	2/02/2013 21:40
CONDAMINE-BALONNE	41517	CHINCHILLA WEIR TM	12.416	Major	31/01/2013 13:00
CONDAMINE-BALONNE	41409	BERUNA	7.85	Major	29/01/2013 09:00
CONDAMINE-BALONNE	41020	SEVEN OAKS TM	6.56	Major	29/01/2013 09:00
CONDAMINE-BALONNE	41351	CHINCHILLA	6.55	Major	29/01/2013 23:00
CONDAMINE-BALONNE	541074	CHINCHILLA TM	8.722	Major	30/01/2013 01:00
CONDAMINE-BALONNE	42048	CONDAMINE	11.7	Major	2/02/2013 08:00
CONDAMINE-BALONNE	42098	COTSWOLD TM	13.709	Major	3/02/2013 23:10
CONDAMINE-BALONNE	42049	MILES	9.475	Minor	29/01/2013 06:30
CONDAMINE-BALONNE	42113	GILWEIR TM	11.462	Minor	29/01/2013 10:00
CONDAMINE-BALONNE	42113	PINE HILL CROSSING	8.8	Major	30/01/2013 12:00
CONDAMINE-BALONNE	43052	WARKON	11.03	Major	3/02/2013 06:00
CONDAMINE-BALONNE	43063	SURAT	10.93	Major	6/02/2013 12:00
CONDAMINE-BALONNE	543005	SURAT TM	10.548	Major	6/02/2013 21:00
CONDAMINE-BALONNE	43101	WERIBONE TM	11.375	Major	7/02/2013 15:20
CONDAMINE-BALONNE	43107	WARROO	9.9	Minor	7/02/2013 09:00
CONDAMINE-BALONNE	43053	ST GEORGE	7.65	Major	7/02/2013 15:00
CONDAMINE-BALONNE	43104	ST GEORGE TM	7.526	Major	7/02/2013 15:00
CONDAMINE-BALONNE	44154	WHYENBAH	6.4	Moderate	7/02/2013 09:00
CONDAMINE-BALONNE	544017	HASTINGS TM	5.461	Moderate	7/02/2013 14:50
CONDAMINE-BALONNE	544022	CARDIFF TM	12.153	Major	5/02/2013 10:20
COOPER CREEK	538001	RETREAT TM	3.55	Minor	22/01/2013 04:00
DAINTREE	31127	DAINTREE VILLAGE	4.3	Minor	23/01/2013 15:00
DON	33265	IDA CREEK ALERT	3.61	Minor	24/01/2013 20:38
DON	533028	IDA CREEK TM	3.613	Minor	24/01/2013 20:40
DON	33267	MT DANGAR ALERT	5.95	Major	24/01/2013 21:26
DON	533013	REEVES TM	5.27	Moderate	24/01/2013 23:00
DON	33268	REEVES ALERT	5.25	Moderate	24/01/2013 22:04
DON	33264	BOWEN PUMP STATION ALERT	4.45	Moderate	24/01/2013 23:53
FITZROY	535013	WINDAMERE TM	7.725	Moderate	27/01/2013 19:00
FITZROY	35273	CHILGERRIE HILL	7.4	Moderate	28/01/2013 10:00
FITZROY	35115	TAROOM	5.35	Minor	29/01/2013 09:00
FITZROY	35282	TAROOM TM	5.324	Minor	29/01/2013 13:00
FITZROY	39315	THEODORE	9.3	Minor	27/01/2013 14:30
FITZROY	535110	THEODORE WEIR TM	9.09	Minor	27/01/2013 09:50
FITZROY	539043	WOODLEIGH TM	10.616	Minor	28/01/2013 00:00
FITZROY	39296	MOURA	9.3	Minor	28/01/2013 08:00
FITZROY	539081	MOURA WEIR TM	2.265	Minor	28/01/2013 08:45
FITZROY	535021	REDCLIFFE TM	8.075	Major	27/01/2013 03:50
FITZROY	35227	KARAMEA	10.45	Major	27/01/2013 18:00
FITZROY	539079	BARALABA TW TM	13.272	Major	29/01/2013 02:30
FITZROY	539080	BARALABA HW TM	4.56	Major	28/01/2013 19:15
FITZROY	535015	BECKERS TM	14.975	Major	29/01/2013 05:00

FITZROY	539062	KINGSBOROUGH TM	10.076	Major	25/01/2013 16:30
FITZROY	539068	GOOVIGEN TM	11.035	Major	27/01/2013 04:00
FITZROY	539016	WURA TM	11.846	Major	25/01/2013 12:30
FITZROY	539057	RANNES TM	14.05	Major	26/01/2013 01:50
FITZROY	39308	RANNES	13.5	Major	26/01/2013 02:00
FITZROY	35270	NEWLANDS	18.05	Major	27/01/2013 06:00
FITZROY	535090	THE LAKE ALERT	10.33	Minor	27/01/2013 12:09
FITZROY	35266	BINGEGANG	11.52	Moderate	27/01/2013 09:45
FITZROY	533091	MT BRIDGET TM	18.663	Major	25/01/2013 05:10
FITZROY	33083	CARDOWAN	16.2	Major	25/01/2013 09:00
FITZROY	534005	FUNNEL CREEK TM	10.952	Major	25/01/2013 11:10
FITZROY	533030	BRAESIDE TM	9.425	Moderate	25/01/2013 02:00
FITZROY	534004	PINK LAGOON TM	14.231	Moderate	26/01/2013 06:00
FITZROY	534014	YATTON TM	16.691	Major	27/01/2013 05:00
FITZROY	34096	TARTRUS TM	15.865	Major	28/01/2013 00:00
FITZROY	535024	COOLMARINGA TM	19.671	Major	29/01/2013 06:00
FITZROY	39044	RIVERSLEA TM	25.107	Major	30/01/2013 11:50
FITZROY	33285	THE GAP TM	17.551	Major	1/02/2013 14:30
FITZROY	533029	WATTLEBANK TM	20.365	Major	1/02/2013 17:50
FITZROY	33076	YAAMBA	15.7	Major	1/02/2013 18:00
FITZROY	33310	SOUTH YAAMBA TM	11.616	Moderate	1/02/2013 22:30
FITZROY	39347	LAUREL BANK TM	7.822	Moderate	2/02/2013 12:10
FITZROY	39264	ROCKHAMPTON	8.6	Major	2/02/2013 09:00
HAUGHTON	533027	MT PICCANINNY TM	3.972	Minor	24/01/2013 13:40
HAUGHTON	533055	MT PICCANINNY ALERT	3.9	Minor	24/01/2013 06:21
HAUGHTON	533016	MAJOR CREEK TM	8.614	Moderate	24/01/2013 12:00
HAUGHTON	533072	MAJOR CREEK ALERT	8.61	Moderate	24/01/2013 11:01
HAUGHTON	33280	POWERLINE TM	6.486	Moderate	24/01/2013 13:00
HAUGHTON	533056	POWERLINE ALERT	6.41	Moderate	24/01/2013 11:53
HAUGHTON	33253	GIRU	2.75	Major	24/01/2013 16:00
HAUGHTON	533051	GIRU ALERT	2.7	Major	24/01/2013 14:33
HERBERT	32169	GLENEAGLE ALERT	5.7	Minor	25/01/2013 21:45
HERBERT	532066	GLENEAGLE TM	5.741	Minor	26/01/2013 01:00
HERBERT	32170	NASH'S CROSSING ALERT	7.15	Moderate	24/01/2013 00:29
HERBERT	32184	ZATTAS ALERT	5.83	Moderate	24/01/2013 00:06
HERBERT	532010	GOWRIE CREEK TM	6.73	Moderate	23/01/2013 17:15
HERBERT	532006	ABERGOWRIE TM	11.625	Moderate	24/01/2013 05:13
HERBERT	32091	ELPHINSTONE PKT	13.5	Moderate	24/01/2013 06:00
HERBERT	532028	ABERGOWRIE BRIDGE ALERT	14	Major	24/01/2013 08:59
HERBERT	532067	TREBONNE AL	13.87	Major	24/01/2013 15:03
HERBERT	532012	INGHAM PUMP STATION TM	13.518	Major	24/01/2013 11:35
HERBERT	32171	INGHAM PUMP STATION AL	14.24	Major	24/01/2013 11:27
HERBERT	32094	GAIRLOCH	12.02	Major	24/01/2013 12:00
HERBERT	532027	GAIRLOCH ALERT	12	Major	24/01/2013 08:43
HERBERT	32185	HALIFAX ALERT	5.52	Major	24/01/2013 09:14
JOHNSTONE	32165	NERADA ALERT	6.03	Minor	23/01/2013 10:40
JOHNSTONE	532014	SALTWATER CREEK ALERT	11.113	Major	5/02/2013 12:56
JOHNSTONE	32160	CENTRAL MILL ALERT	7.65	Minor	23/01/2013 13:49
KOLAN	539048	SPRINGFIELD TM	14.348	Major	26/01/2013 20:30
KOLAN	539050	FRED HAIGH DAM HW TM	6.857	Major	27/01/2013 10:45
KOLAN	39011	MONDURAN	13.3	Major	27/01/2013 12:00

KOLAN	539046	GIN GIN CREEK TM	16.003	Major	27/01/2013 00:10
KOLAN	539047	BUCCA WEIR HW TM	23.846	Major	27/01/2013 00:45
KOLAN	539091	GOOBURRUM P/S TM	10.648	Major	27/01/2013 06:45
LEICHHARDT	529010	FLORAVILLE TM	999.999	Major	5/02/2013 03:50
LOGAN-ALBERT	40936	LUMEAH ALERT	8.21	Moderate	28/01/2013 02:37
LOGAN-ALBERT	540303	LUMEAH TM	8.321	Moderate	28/01/2013 02:50
LOGAN-ALBERT	40738	BROMFLEET TM	15.684	Moderate	28/01/2013 11:00
LOGAN-ALBERT	40938	BROMFLEET ALERT	15.71	Moderate	28/01/2013 11:37
LOGAN-ALBERT	40761	WOLFFDENE ALERT	10.45	Major	28/01/2013 17:30
LOGAN-ALBERT	540598	BAHRS SCRUB ALERT	7.87	Minor	27/01/2013 16:52
LOGAN-ALBERT	40723	BEENLEIGH	6.2	Major	29/01/2013 01:00
LOGAN-ALBERT	40832	FOREST HOME TM	5.52	Moderate	28/01/2013 05:20
LOGAN-ALBERT	40754	RATHDOWNEY TM	12.509	Major	28/01/2013 07:40
LOGAN-ALBERT	40946	RATHDOWNEY ALERT	12.25	Major	28/01/2013 07:12
LOGAN-ALBERT	540074	DIECKMANS BRIDGE TM	4.233	Minor	27/01/2013 23:29
LOGAN-ALBERT	40943	DIECKMANS BRIDGE ALERT	4.24	Minor	27/01/2013 23:16
LOGAN-ALBERT	40539	DULBOLLA	12.5	Major	28/01/2013 08:00
LOGAN-ALBERT	40944	RUDDS LANE ALERT	4.24	Minor	28/01/2013 02:29
LOGAN-ALBERT	40714	ROUND MOUNTAIN TM	15.23	Major	28/01/2013 14:40
LOGAN-ALBERT	40945	ROUND MOUNTAIN ALERT	15.02	Major	28/01/2013 14:08
LOGAN-ALBERT	40939	BEAUDESERT ALERT	12.75	Major	28/01/2013 15:30
LOGAN-ALBERT	40841	CROFTBY TM	6.324	Major	28/01/2013 05:16
LOGAN-ALBERT	40947	CROFTBY ALERT	6.21	Major	28/01/2013 04:15
LOGAN-ALBERT	40949	BOONAH ALERT	7.25	Major	28/01/2013 05:28
LOGAN-ALBERT	40762	YARRAHAPPINI TM	17.731	Major	29/01/2013 05:00
LOGAN-ALBERT	40940	YARRAHAPPINI ALERT	17.42	Major	29/01/2013 04:48
LOGAN-ALBERT	540214	SOUTH MACLEAN TM	15.933	Major	29/01/2013 10:30
LOGAN-ALBERT	40542	MACLEAN BRIDGE	18.39	Major	29/01/2013 15:00
LOGAN-ALBERT	540596	LOGAN VILLAGE ALERT	14.16	Major	29/01/2013 21:56
LOGAN-ALBERT	40665	WATERFORD	8.95	Moderate	30/01/2013 06:45
LOGAN-ALBERT	40878	WATERFORD ALERT	9.75	Major	30/01/2013 14:04
LOGAN-ALBERT	540079	SLACKS CK(RESERVE PK) AL	9.05	Moderate	27/01/2013 17:06
LOGAN-ALBERT	540078	MARSDEN (FIRST AVE) AL	9.55	Minor	27/01/2013 21:28
LOGAN-ALBERT	540091	SLACKS CK(LOGANLEA RD)AL	7.12	Moderate	30/01/2013 10:27
LOGAN-ALBERT	40709	EAGLEBY	4.75	Moderate	31/01/2013 00:00
LOGAN-ALBERT	540236	CARBROOK(RIEDEL ROAD) AL	2	Minor	7/02/2013 08:47
MAROOCHY	540300	MOOLOOLAH TM	5.437	Moderate	27/01/2013 14:00
MAROOCHY	540345	MOOLOOLAH AL	5.45	Moderate	27/01/2013 12:56
MAROOCHY	540344	JORDAN ST AL	5.3	Major	27/01/2013 16:14
MAROOCHY	540421	TANAWHA ALERT	1.8	Minor	27/01/2013 14:11
MAROOCHY	540342	OLD GYMPIE RD AL	4.28	Moderate	27/01/2013 15:06
MAROOCHY	540343	BEERWAH AL	5.1	Minor	27/01/2013 15:21
MAROOCHY	540052	EUMUNDI TM	6.274	Major	27/01/2013 11:51
MAROOCHY	540093	EUMUNDI ALERT	6.73	Major	27/01/2013 15:21
MAROOCHY	540089	KIAMBA ALERT	4.39	Moderate	27/01/2013 13:06
MAROOCHY	540263	KIAMBA TM	4.356	Moderate	27/01/2013 13:10
MAROOCHY	540265	YANDINA TM	3.969	Moderate	27/01/2013 13:20
MAROOCHY	540092	YANDINA ALERT	3.99	Moderate	27/01/2013 13:24
MAROOCHY	540095	DUNETHIN ROCK ALERT	3.05	Moderate	27/01/2013 15:39
MAROOCHY	540266	WARANA BRIDGE TM	7.509	Moderate	27/01/2013 13:10
MAROOCHY	540088	WARANA BRIDGE ALERT	7.54	Moderate	27/01/2013 13:03

MAROOCHY	540506	BLI BLI ALERT	2.95	Moderate	27/01/2013 15:37
MAROOCHY	540420	PALMWOODS SPORTSGROUND ALERT	4.65	Moderate	27/01/2013 12:22
MAROOCHY	540083	DIDDILLIBAH ALERT	4.01	Moderate	27/01/2013 15:56
MAROOCHY	540289	KIELS MOUNTAIN TM	3.121	Minor	27/01/2013 18:00
MAROOCHY	540087	KIELS MOUNTAIN ALERT	3.2	Minor	27/01/2013 17:10
MAROOCHY	540094	PICNIC POINT ALERT	2.295	Major	27/01/2013 07:48
MARY	40830	BELLBIRD CREEK TM	8.775	Major	27/01/2013 13:40
MARY	540332	BELLBIRD CREEK ALERT	8.78	Major	27/01/2013 13:46
MARY	540331	KENILWORTH H/S ALERT	10.57	Major	27/01/2013 17:04
MARY	40814	MOY POCKET TM	15.551	Major	27/01/2013 17:20
MARY	540330	MOY POCKET ALERT	15.6	Major	27/01/2013 17:16
MARY	540575	BORUMBA DAM HW AL	6	Major	27/01/2013 14:04
MARY	540264	BORUMBA DAM HW TM	6.066	Major	27/01/2013 13:50
MARY	40780	HYGAIT TM	8.49	Major	27/01/2013 12:10
MARY	40778	ZACHARIAH TM	9.67	Moderate	27/01/2013 11:54
MARY	40781	DAGUN POCKET TM	16.904	Major	28/01/2013 03:35
MARY	540569	DAGUN POCKET ALERT	16.9	Major	28/01/2013 02:10
MARY	540327	LAKE MACDONALD DRIVE AL	5.85	Major	27/01/2013 15:17
MARY	40782	COORAN TM	10.581	Moderate	27/01/2013 14:03
MARY	540326	COORAN ALERT	10.62	Moderate	27/01/2013 13:44
MARY	540215	GYMPIE WEIR TM	20.256	Major	28/01/2013 11:55
MARY	40426	GYMPIE	19.98	Major	28/01/2013 11:30
MARY	40993	GYMPIE ALERT	19.64	Major	28/01/2013 15:56
MARY	40824	FISHERMANS POCKET TM	20.954	Major	28/01/2013 13:00
MARY	40811	KILKIVAN TM	8.971	Major	27/01/2013 08:44
MARY	540043	BROOYAR TM	13.886	Major	27/01/2013 11:00
MARY	40826	MIVA TM	20.57	Major	27/01/2013 20:40
MARY	40688	MIVA	20.9	Major	27/01/2013 18:00
MARY	40825	MARODIAN TM	16.713	Major	27/01/2013 22:00
MARY	40833	HOME PARK TM	14.192	Major	30/01/2013 18:00
MARY	40203	TIARO	20.8	Major	28/01/2013 17:00
MARY	540039	THE BARRAGE TM	13.613	Major	28/01/2013 11:15
MARY	540288	TAGIGAN ROAD TM	7.394	Major	27/01/2013 15:00
MARY	40679	BAUPLE EAST TM	13.043	Major	28/01/2013 16:00
MARY	40896	TEDDINGTON WEIR HW TM	12.139	Major	27/01/2013 14:40
MARY	540027	TINANA BARRAGE HW TM	10.181	Major	29/01/2013 06:00
MARY	40443	MARYBOROUGH	10.7	Major	29/01/2013 07:30
MITCHELL	29038	KOWANYAMA AP	3.89	Moderate	30/01/2013 15:00
MOONIE	41493	THE DEEP CROSSING	4.86	Major	28/01/2013 14:30
MOONIE	42100	SOUTHWOOD	6.65	Major	29/01/2013 09:00
MOONIE	42053	FLINTON	4.98	Moderate	1/02/2013 15:00
MOONIE	42103	MT DRIVEN	7.07	Major	3/02/2013 12:00
MOONIE	44194	NINDIGULLY	3.78	Moderate	5/02/2013 09:00
MOONIE	542009	THALLON BRIDGE	5.14	Major	7/02/2013 12:00
MULGRAVE-RUSSELL	531046	THE FISHERIES TM	4.358	Minor	23/01/2013 08:00
MULGRAVE-RUSSELL	531076	THE FISHERIES ALERT	4.85	Minor	23/01/2013 09:40
MULGRAVE-RUSSELL	531023	PEETS BRIDGE TM	6.305	Minor	23/01/2013 10:00
MULGRAVE-RUSSELL	531052	PEETS BRIDGE ALERT	6.25	Minor	23/01/2013 10:05
MULGRAVE-RUSSELL	531051	GORDONVALE ALERT	12.5	Minor	23/01/2013 12:01
MULGRAVE-RUSSELL	531024	BUCKLANDS TM	7.106	Moderate	23/01/2013 13:40
MULGRAVE-RUSSELL	531074	CLYDE RD ALERT	0.71	Minor	23/01/2013 19:08

NOOSA	540309	LAKE COOROIBAH ALERT	1.2	Minor	28/01/2013 09:27
NOOSA	540310	TEWANTIN ALERT	1.18	Minor	27/01/2013 09:45
PINE	540131	TOOMBUL(NUDGE RD) ALERT	3.18	Moderate	27/01/2013 19:02
PINE	540431	FRANK SLEEMAN PARK AL	4.49	Minor	27/01/2013 16:49
PINE	540124	DEAGON ALERT	2.05	Minor	27/01/2013 19:53
PINE	540205	DRAPERS CROSSING ALERT	6.76	Major	27/01/2013 18:33
PINE	540414	NORMANBY WAY ALERT	4.49	Moderate	27/01/2013 20:15
PINE	540412	YOUNGS CROSSING ALERT	7.44	Minor	27/01/2013 23:03
PINE	540245	BURPENGARY(ROWLEY RD) AL	19.55	Minor	27/01/2013 17:24
PINE	540242	BURPENGARY (DALE ST) AL	9.94	Moderate	27/01/2013 17:41
PINE	540208	UPPER CABOOLTURE TM	9.948	Minor	27/01/2013 16:00
PINE	540357	UPPER CABOOLTURE ALERT	9.895	Minor	27/01/2013 15:37
PINE	540243	CABOOLTURE WTP ALERT	8.19	Moderate	27/01/2013 17:22
PIONEER	33301	WHITEFORD'S ALERT	5.29	Minor	24/01/2013 22:51
PIONEER	33282	SARICH'S TM	9.135	Moderate	24/01/2013 22:10
PIONEER	33299	SARICH'S ALERT	9.14	Moderate	24/01/2013 22:06
PIONEER	33302	MIRANI WEIR ALERT	8.13	Minor	24/01/2013 23:19
PIONEER	33277	MIRANI WEIR TM	8.234	Minor	24/01/2013 23:20
PIONEER	33283	DUMBLETON ROCKS TM	17.577	Minor	24/01/2013 08:40
PIONEER	33300	DUMBLETON ROCKS ALERT	17.75	Minor	25/01/2013 00:57
ROSS	532035	STUART CREEK ALERT	5.58	Minor	23/01/2013 19:59
ROSS	532032	LOUISA CREEK ALERT	5.08	Minor	23/01/2013 17:32
ROSS	532015	BOHLE RIVER TM	6.096	Moderate	24/01/2013 08:39
ROSS	532043	BOHLE RIVER ALERT	6.1	Moderate	24/01/2013 07:36
SOUTH COAST	540054	LITTLE NERANG DAM ALERT	2.8	Moderate	27/01/2013 22:17
SOUTH COAST	540610	HINZE DAM HW TM	4.358	Minor	29/01/2013 02:25
SOUTH COAST	540374	HINZE DAM ALERT-B	4.36	Minor	29/01/2013 03:45
SOUTH COAST	540254	MUDGEERABA ALERT	9.98	Major	29/01/2013 20:00
SOUTH COAST	540356	TALLEBUDGERA CK RD AL	5.12	Moderate	27/01/2013 22:24
SOUTH COAST	540228	CANUNGRA ARMY TM	7.349	Major	27/01/2013 21:50
SOUTH COAST	540290	CANUNGRA ARMY ALERT	7.34	Major	27/01/2013 21:41
SOUTH COAST	540291	CLAGIRABA ROAD ALERT	0.616	Minor	27/01/2013 15:27
SOUTH COAST	540292	OXENFORD WEIR ALERT	4.64	Minor	27/01/2013 22:26
SOUTH COAST	540293	COOMERA SHORES ALERT	1.67	Moderate	28/01/2013 10:17
TULLY	531057	BOLINDA ESTATE ALERT	4.95	Minor	23/01/2013 07:27
TULLY	32115	EURAMO	8.85	Moderate	23/01/2013 21:00
TULLY	32167	EURAMO TM	8.71	Moderate	23/01/2013 19:40
TULLY	532059	EURAMO ALERT	8.79	Moderate	23/01/2013 19:09
TULLY	32109	UPPER MURRAY TM	8.276	Moderate	23/01/2013 16:00
TULLY	532061	UPPER MURRAY ALERT	8.27	Moderate	23/01/2013 15:47
TULLY	532060	MURRAY FLATS ALERT	8.35	Major	24/01/2013 04:55

Appendix 2. Rainfall Tables

The abbreviations used in the following tables include:

AL - ALERT Radio Telemetry, TM - Telephone Telemetry, AWS - Automatic Weather Station, SYN - Synoptic Station, - No Data, * automatic station. Red numbers show the highest totals recorded on a particular day for each catchment.

Note: Rainfall data is operational data and has not been quality controlled so errors may exist.

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Nerang												
Upper Springbrook AL *	23	18	1	5	19	123	209	744	377	0	1,519	
Springbrook	13	6	0	5	10	80	121	430	193	0	858	
Springbrook TM *	20	14	0	4	18	16	154	570	323	0	1,119	
Little Nerang Dam AL *	26	5	0	6	10	60	137	429	175	0	848	
Tallai AL *	9	7	0	1	7	36	87	274	114	0	535	
Numinbah AL *	6	2	0	2	9	52	124	480	111	0	786	
Numinbah Valley TM *	11	5	0	7	7	10	121	482	116	0	759	
Numinbah Valley AL *	12	5	0	7	8	61	118	496	118	0	825	
Nerang	0	7	0	0	21	27	53	232	138	0	478	
Clearview AL *	0	5	1	0	16	21	52	214	67	0	376	
Molendinar AL *	0	3	0	0	14	15	47	159	85	0	323	
Mt Nimmel AL *	29	5	1	4	11	66	120	337	207	1	781	
Bonogin AL *	7	5	0	3	7	27	76	247	125	0	497	
Worongary Creek AL *	3	7	0	0	6	15	65	215	134	0	445	
Neranwood AL *	18	4	0	1	7	48	101	363	203	0	745	
Boobegan Creek Lock AL *	1	3	0	1	5	8	41	131	75	0	265	
Evandale AL *	1	3	0	0	9	6	46	135	57	0	257	
Biggera Ck Dam AL *	1	5	1	5	6	12	51	194	83	0	358	
Loder Ck Dam AL *	0	5	0	0	5	7	49	161	106	0	333	
Loder Creek AL *	0	3	0	0	4	4	39	116	88	0	254	
Southport	-	3	0	18	8	142	186	98	0	0	455	
Air Sea Rescue AL *	0	5	0	5	3	3	35	114	62	0	227	
Gold Coast Seaway AWS *	1	6	0	9	3	6	35	108	73	0	241	
Burleigh Waters AL *	1	9	0	0	11	1	22	38	12	0	94	
Miami	0	11	0	4	8	277 in 4 days				0	319	
Upper Tallebudgera AL *	6	3	1	0	2	21	89	55	134	12	323	
Tallebudgera Ck Dam AL *	20	5	0	9	15	49	79	331	173	0	681	
Coplicks Bridge AL *	5	11	0	3	18	12	30	108	56	1	244	
Oyster Creek AL *	2	19	0	0	18	6	34	145	65	0	289	
Tomewin AL *	22	7	0	6	15	68	88	360	118	0	684	
Tomewin - Tallowood	31	6	0	6	17	66	89	385	0	0	600	
Coolangatta AWS *	11	14	0	4	36	9	29	128	60	0	292	
Murwillumbah SYN	7	15	0	1	31	30	67	210	110	0	471	
Maximum	31	19	1	18	36	142	209	744	377	12	1,519	

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Coomera												
Binna Burra AL *	4	5	1	5	8	74	149	415	131	0	792	
Illinbah TM *	2	8	0	2	6	14	172	435	108	0	747	
Tyungun AL *	7	4	0	0	8	55	87	380	57	0	598	
Canungra Army AL *	1	5	3	2	8	74	90	451	68	0	702	
Mt Tamborine	1	20	0	0	11	71	134	407	90	0	735	
Mt Tamborine AL *	0	12	1	1	12	53	103	401	68	2	653	
Clagiraba Road AL *	0	8	1	0	13	44	83	364	61	0	574	
Wongawallan AL *	2	7	0	1	11	48	61	217	35	0	382	
Oxenford	1	6	0	10	12	21	51	175	52	0	329	
Oxenford Weir AL *	1	5	0	5	12	25	53	202	51	0	354	
Coomera	3	5 in 2		0	8	16	40	126	30	0	233	
Monterey Keys AL *	1	5	0	5	10	12	37	117	57	0	244	
Coomera Shores AL *	1	4	1	0	12	17	46	169	67	0	317	
Maximum	7	20	3	10	13	74	172	451	131	2	792	

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Pimpama												
Luscombe AL *	1	3	0	1	6	35	60	187	16	0	309	
Hotham Creek AL *	1	3	0	2	5	27	37	54	27	0	156	
Norwell AL *	1	3	0	2	2	7	10	14	9	0	48	
Kerkin Road AL *	0	3	0	1	4	24	34	75	23	1	165	
Steiglitz Wharf AL *	3	1	0	0	5	22	41	110	40	0	222	
Maximum	3	3	0	2	6	35	60	187	40	1	309	

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Logan-Albert												
Darlington AL *	2	2	0	0	1	0	0	0	1	0	6	
O'Reillys AL *	6	9	0	3	5	55	184	382	139	0	783	
Lumeah AL *	7	4	0	0	5	13	57	103	19	0	208	
Nindooindah Dam AL *	2	2	0	0	4	12	62	108	16	0	206	
Nindooindah TM *	2	1	0	0	4	2	50	112	18	0	189	
Benobble AL *	1	2	0	0	8	57	102	523	49	0	742	
Laheys Lookout AL *	0	6	0	0	9	55	116	481	83	1	751	
Bromfleet AL *	0	8	0	0	4	26	50	247	22	0	357	
Bromfleet TM *	0	1	0	0	0	0	0	0	0	0	1	
Wolffdene AL *	0	1	1	0	4	39	61	203	16	1	326	
Bahrs Scrub AL *	1	2	2	0	3	58	55	203	16	0	340	
Canungra	1	3	0	0	7	54	105	407	85	0	662	
Forest Home TM *	0	2	0	0	4	3	60	259	28	0	356	
Maroon Dam AL *	0	0	0	24	4	8	75	215	22	0	348	

Maroon Dam	0	1	0	23	3	6.8	68	215	27	0	344
Palen Creek AL *	0	1	0	20	2	5	61	257	45	0	391
Mt Barney TM *	0	2	0	14	2	2	62	244	41	0	367
Ward Road TM *	0	0	0	3	2	6	26	152	25	0	214
Rathdowney AL *	0	2	0	0	3	11	54	161	28	1	260
Rathdowney TM *	0	2	0	0	2	2	32	13	2	1	54
Upper Running Ck TM *	1	4	6	4	2	0	88	89	27	3	224
Dieckmans Bridge AL *	0	4	0	9	2	4	0	0	0	0	19
Dieckmans Bridge TM *	0	4	0	8	2	3	61	141	28	0	247
Foxley AL *	0	1	1	0	3	7	74	98	18	0	202
Rudds Lane AL *	0	2	0	0	3	9	45	110	16	0	185
Tramway Lane TM *	0	3	0	0	2	3	51	131	17	0	207
Tamrookum TM *	0	3	0	0	3	2	56	203	22	0	289
Knapps Peak AL *	0	0	0	3	4	16	74	258	31	0	386
Kooralbyn AL *	2	3	0	0	5	24	77	323	26	0	460
Round Mountain TM *	1	1	0	0	3	2	51	193	23	0	274
Round Mountain AL *	1	2	0	0	3	15	58	235	31	0	345
Beaudesert Drumley Street AWS *	2	2	0	0	6	19	50	175	26	0	280
Beaudesert AL *	3	3	0	0	5	23	55	213	27	0	329
Bromelton Dam AL *	4	2	0	0	4	21	50	25	0	0	106
Walker Rd TM *	22	2	0	0	3	7	59	148	21	0	262
Undullah Rd TM *	11	2	0	0	7	2	52	173	15	0	262
Wilsons Peak AL *	0	2	0	15	6	24	142	434	151	0	774
Wilsons Peak AL-P *	1	2	0	11	6	22	131	413	145	0	731
Carneys Creek	0	2	0	22	4	6.4	64	258	50	0	406
Croftby TM *	0	0	0	13	4	4	74	237	36	0	368
Croftby AL *	0	0	0	13	6	11	78	240	36	0	384
Grimsey Rd TM *	0	2	1	0	4	3	60	115	18	0	203
Mt Sugarloaf AL *	0	1	0	0	4	19	68	0	22	0	114
Boonah AL *	1	2	0	0	4	15	61	149	18	0	250
Coulson AL *	0	2	1	0	3	19	61	230	28	0	344
Coulson TM *	0	3	0	0	5	7	64	226	16	0	321
Wyralong Dam AL *	19	14	0	0	5	39	64	219	30	0	390
Romani AL *	7	2	0	0	9	38	62	213	24	0	355
Yarrahappini TM *	1	4	0	0	9	2	49	156	21	0	242
Yarrahappini AL *	1	4	0	0	10	34	58	188	26	0	322
Maclean Bridge	1	2	0	0	5	29	55	172	21	0	285
Maclean Bridge AL *	1	2	0	0	5	33	59	145	22	0	267
Logan Village AL *	0	1	0	0	4	48	51	204	20	0	328
Waterford AL *	3	3	13	1	5	51	57	183	18	0	334
Stretton(Gowan Rd) AL *	1	2	2	0	12	44	38	158	15	0	272
Underwood(Millers Rd) AL *	1	1	7	0	15	42	37	130	17	0	250
Slacks Ck(Reserve Pk) AL *	2	4	2	0	10	45	43	150	19	0	275
Hillcrest(Wine Glass) AL *	2	1	2	0	5	49	38	152	15	0	264
Logan City SYN	4	2	10	1	7	47	52	192	16	0	329
Marsden (First Ave) AL *	4	5	5	0	9	44	46	147	23	0	283
Slacks Ck(Loganlea Rd) AL *	3	4	5	0	8	46	47	158	17	0	288
Carbrook AL *	4	4	0	0	7	53	57	138	10	0	273
Carbrook(Riedel Road) AL *	3	3	0	1	4	38	46	100	11	0	206
Priestdale AL *	3	4	10	0	10	51	44	111	14	0	247
Burbank AL *	0	2	13	1	10	48	46	135	19	0	274

Mt Cotton West AL *	3	4	5	0	9	63	60	161	17	0	322
Rochedale South AL *	2	3	11	1	16	64	46	152	25	0	320
Dunwich Airport TM *	0	0	0	0	0	0	0	0	0	0	0
Dunwich AL *	7	1	4	25	7	43	34	143	44	0	308
Maximum	22	14	13	25	16	64	184	523	151	3	783

Station Name	24 hour rainfall to 9am on											Total
	January											
	21	22	23	24	25	26	27	28	29	30	(mm)	
Stanley/Upper Brisbane												
Peachester	0	0	0	1	43	82	279	208	7	0	621	
Peachester AL *	0	2	3	3	40	68	268	199	3	0	586	
Ferris Knob AL *	0	2	3	1	34	62	195	0	0	0	297	
Woodford	0	1	2	1	31	52	172	101	3	0	363	
Woodford AL-P *	0	0	2	1	29	55	174	89	3	0	353	
Woodford AL-B *	0	0	2	1	29	55	174	92	4	0	357	
Lindfield	0	0	2	1	22	28	205	109	5.2	0	372	
Lindfield AL *	0	0	2	0	24	32	230	132	6	0	426	
Mt Kilcoy Weir TM *	0	0	0	0	17	17	96	89	4	0	223	
Kilcoy AL *	0	0	0	0	15	22	169	111	5	0	322	
Westvale AL *	2	1	0	0	12	39	128	79	4	0	265	
Hazeldean AL *	4	1	0	1	14	29	91	57	7	0	204	
Somerset Dam	4	0	0	0	14	38	77	73	7	0	214	
Somerset Dam Hw AL-P *	3	0	1	0	12	39	52	26	5	0	138	
Somerset Dam Hw AL-B *	3	0	1	0	12	39	52	26	5	0	138	
Top Of Brisbane AL *	0	0	0	1	18	15	181	38	7	0	260	
Monsildale AL *	0	0	1	0	22	27	277	74	10	0	411	
Mt Stanley AL *	0	0	4	0	14	19	145	45	6	0	233	
Blackbutt	1	0	0	0	14	31	195	100	9.6	0	350	
Blackbutt AL *	0	0	0	0	15	37	205	107	9	0	373	
Yarraman AL *	0	0	0	0	11	14	130	53	6	0	214	
Cooyar Creek AL *	0	0	0	0	12	22	176	44	7	0	261	
Linville TM *	0	0	0	0	10	17	38	59	6	12	142	
Linville AL *	0	0	0	0	12	24	153	65	6	0	260	
Devon Hills AL *	0	0	0	1	13	18	105	19	5	0	161	
St Aubyns AL *	0	0	0	0	14	20	177	98	8	0	317	
Mt Binga AL *	0	0	0	0	19	29	188	102	17	0	355	
Nukinenda AL *	0	0	0	0	15	20	161	111	11	0	318	
Boat Mountain TM *	1	0	0	0	12	16	126	100	12	0	267	
Boat Mountain AL *	1	0	1	1	12	22	137	107	13	0	294	
Glendale TM *	1	0	0	0	12	14	106	90	9	0	232	
Pohlman Range AL *	1	1	0	2	9	20	110	63	12	0	218	
Gregor Ck AL-P *	1	0	0	2	11	18	151	80	17	0	280	
Gregor Ck AL-B *	1	0	0	2	10	18	146	78	16	0	271	
Crows Nest	2	2	0	0	17	62	182	160	14	0	442	
Crows Nest AL *	0	1	0	0	13	46	148	127	14	0	349	
Perseverance AL *	1	1	0	0	12	53	117	110	8	0	302	
Ravensbourne AL *	4	4	0	0	19	104	197	204	13	0	545	
Cressbrook Dam AL *	0	2	0	0	8	41	84	66	14	0	215	
Redbank Creek AL *	3	2	1	0	15	77	161	166	20	0	445	

Eskdale AL *	2	0	0	0	16	62	197	168	19	0	464
Rosentretrs Bridge TM *	4	0	0	0	15	16	139	100	16	0	290
Rosentretrs Bridge AL *	5	0	0	0	15	54	150	99	17	0	340
Toogoolawah	3	0	0	0	13	35	109	76	15	0	251
Toogoolawah AL *	2	0	0	0	15	41	120	87	17	0	282
Mt Byron TM *	3	1	0	0	14	11	106	97	3	0	235
Caboonbah AL *	2	1	0	0	13	70	107	65	6	0	264
Esk	4	1	1	1	14	0	186	102	15	0	329
Glen Esk AL *	3	1	0	0	13	66	76	44	9	0	212
Bryden AL *	2	2	0	0	11	37	51	37	5	0	145
Hays Landing AL *	0	1	0	1	14	44	60	67	3.6	0	191
Wivenhoe Dam Hw AL-B *	0	1	0	0	8	43	35	30	4	0	121
Wivenhoe Dam Tw AL-P *	0	1	0	0	9	47	48	52	4	0	161
Maximum	5	4	4	3	43	104	279	208	20	12	621

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Lower Brisbane												
Toowoomba AL *	2	1	0	0	17	53	168	161	18	0	420	
Spring Bluff AL *	2	0	0	0	15	41	127	135	10	0	330	
Fifteen Mile AL *	2	1	0	0	11	42	107	101	13	0	277	
Paradise Creek Road AL *	1	1	0	0	9	44	123	108	9	0	295	
Upper Lockyer AL *	1	0	0	0	10	46	120	117	14	0	308	
Withcott AL *	1	2	0	0	15	25	89	70	33	0	235	
Helidon TM *	0	0	0	0	10	3	83	108	11	0	215	
Helidon AL *	1	0	0	0	11	40	99	133	13	0	297	
Gormans Gap AL *	1	2	0	0	14	33	90	122	30	0	292	
Flagstone Ck Bore TM *	1	1	0	0	11	2	42	94	12	0	163	
Flagstone Creek AL *	0	2	0	0	9	20	59	105	14	0	209	
Upper Sandy Creek AL *	2	1	0	0	15	86	163	201	18	0	486	
Sandy Creek Road AL *	Tr	1	0	0	13	17	80	65	17	0	193	
West Haldon AL *	0	1	0	0	9	9	72	130	22	0	243	
West Woodbine AL *	0	0	0	0	8	5	97	136	21	0	267	
Little Egypt AL *	0	1	0	0	10	11	65	122	25	0	234	
Ma Ma Creek AL *	1	2	0	0	14	29	75	160	26	0	307	
Goltz Road AL *	0	1	0	0	8	16	119	149	35	0	328	
Upper Blackfellow AL *	1	0	0	5	8	51	164	296	33	0	558	
Junction View AL *	0	0	0	0	9	12	113	157	27	0	318	
Upper Tenthill AL *	1	2	0	0	16	93	173	408	57	0	750	
Mt Sylvia AL *	0	1	0	0	14	13	79	172	20	0	299	
Mt Petersen AL *	0	1	0	0	13	13	42	63	21	0	153	
Tenthill TM *	0	0	0	0	1	0	0	0	0	0	1	
Tenthill AL *	0	0	0	0	12	18	46	92	20	0	188	
Tenthill Bore TM *	0	0	0	0	11	4	53	121	24	0	213	
Gatton AL *	2	1	0	0	14	83	76	148	17	0	341	
Gatton Uq AWS *	3	0	0	0	12	45	59	110	13	0	243	
Mt Castle AL *	4	5	0	37	17	134	233	709	85	0	1224	
Rockside Mt AL *	1	5	0	0	18	30	97	160	33	0	344	
Moon Road AL *	0	2	0	0	18	28	74	128	23	0	273	

Forest Hill AL *	2	1	0	0	12	24	58	117	15	0	229
Stony Ck Rd TM *	0	5	0	0	14	19	180	501	45	0	764
Thornton AL *	1	4	0	0	16	61	169	404	59	0	714
Mulgowie AL *	0	1	0	0	12	35	126	210	26	0	410
Schultz Lookout AL *	0	2	0	0	17	17	51	71	21	0	179
Showground Weir Hw TM *	4	1	0	0	15	40	61	105	15	0	241
Showground Weir AL *	4	1	0	0	15	40	62	106	14	0	242
Bill Gunn Dam AL *	7	2	0	0	16	36	62	119	15	0	257
Bill Gunn Dam TM *	7	2	0	0	15	37	62	119	15	0	257
Warrego Highway AL *	2	1	0	0	12	38	65	117	12	0	247
Lake Clarendon AL *	1	0	0	0	10	51	66	114	11	0	253
Lake Clarendon Hw TM *	1	0	0	0	10	50	66	114	11	0	252
Glenore Grove AL *	0	7	1	0	8	46	60	105	15	0	242
Batzloffs Rd TM *	0	1	0	0	10	13	58	79	7	1	169
Lyons Bridge AL-P *	0	1	0	0	9	38	44	45	8	0	145
Buaraba AL *	0	1	0	0	8	58	110	148	12	0	338
Atkinson Dam AL *	0	1	0	0	8	40	76	92	9	0	226
Atkinson Dam Hw TM *	0	1	0	0	8	40	76	92	9	0	226
O'Reilly's Weir AL *	0	1	1	0	8	41	43	40	4	0	138
Lowood Pump Station AL-B *	0	0	0	0	7	27	40	31	5	0	110
Lowood	0	0	0	0	10	44	58	53	7	0	172
Fernvale - Burns St	1	3	1	0	19	40	51	85	7	0	206
Savages Crossing AL *	0	2	0	0	14	41	51	99	6	0	213
Marburg AL *	0	1	1	0	10	26	77	78	6	0	199
Lake Manchester	0	5	0	0	14	0	0	0	259	0	278
Lake Manchester Hw TM *	0	5	0	0	13	29	33	47	4	0	131
Lake Manchester AL *	0	5	0	0	14	29	33	46	4	0	131
Mt Crosby TM *	0	4	0	0	20	39	74	223	3	0	363
Mt Crosby AL *	0	4	0	0	21	39	74	223	5	0	366
Colleges Crossing AL *	1	4	0	0	16	37	95	213	6	0	372
Karalee	4	4	0	0	14	35	79	214	12	0	362
Adams Bridge TM *	0	3	0	0	10	5	69	232	13	0	332
Adams Bridge AL *	0	3	0	0	9	36	66	210	11	0	335
Lower Mt Walker AL *	2	5	0	0	8	25	81	118	7	0	246
Spencers Bridge AL *	2	4	0	0	13	23	78	107	6	0	233
Grey's Plains Road AL *	0	2	0	0	12	35	105	215	28	0	397
Franklyn Vale AL *	3	4	0	0	11	32	102	165	24	0	340
Grandchester AL *	8	4	0	0	19	37	96	161	18	0	343
Kuss Road AL *	2	4	0	0	15	32	101	128	8	0	290
Kuss Road TM *	2	3	0	0	14	16	93	121	8	0	257
Tallegalla AL *	1	3	0	0	17	38	92	106	7	0	264
Rosewood Wwtp AL *	1	5	0	0	4	27	60	68	3	1	169
Rosewood Detention Basin AL *	1	1	0	0	13	25	81	111	7	0	239
Rosewood AL-B *	0	3	0	0	12	26	89	121	6	0	257
Rosewood AL *	0	3	0	0	11	24	78	113	6	0	235
Walloon AL-P *	1	1	0	0	10	23	68	102	4	0	209
Tarome	1	2	0	1	9	43	112	298	17	0	483
Tarome AL-P *	1	1	0	1	8	39	105	286	17	0	458
Moogerah Dam	0	1	0	2	5	23	84	293	33	0	441
Moogerah Dam Hw AL *	0	1	0	2	5	35	88	304	19	0	454
Toohills Crossing AL *	1	1	0	0	9	34	103	250	13	0	411

Toohills Crossing TM *	1	2	0	0	9	34	101	250	14	0	411
Kalbar TM *	0	1	0	0	6	27	66	170	14	0	285
Kalbar Weir AL *	0	2	0	0	6	25	80	189	8	0	310
Kalbar Weir Hw TM *	0	2	0	0	6	25	78	190	8	0	309
Harrisville AL *	0	2	0	0	8	20	51	113	3	0	197
Harrisville AL-B *	0	1	0	0	8	18	44	99	3	0	173
Amberley (Derm) TM *	1	2	0	0	9	10	74	150	5	0	251
Amberley AWS *	1	3	0	0	9	31	73	147	7.2	0	270
Washpool AL *	0	10	0	0	6	32	55	147	6	0	256
Peak Crossing AL *	4	8	0	0	7	30	53	146	8	0	256
Loamside AL *	1	1	0	0	9	28	55	170	6	0	270
Berrys Lagoon AL *	1	6	0	0	8	34	79	165	5	0	298
One Mile Bridge AL *	0	3	0	0	7	29	66	119	3	0	227
Brassall(Hancocks Br) AL *	0	3	0	0	11	28	72	156	3	0	273
Moggill AL-P *	1	2	1	0	14	43	71	145	6	0	283
Jindalee AL *	2	2	0	0	16	41	72	252	5	0	390
Brisbane City AL *	2	1	0	0	0	0	0	20	3	0	26
Maximum	8	10	1	37	21	134	233	709	259	1	1224

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Ipswich/Brisbane Creeks												
Churchill AL *	0	4	0	0	7	39	81	164	5	0	300	
Lyons AL *	4	3	0	0	6	41	65	237	13	0	370	
Ripley AL *	2	3	0	0	8	43	47	218	11	0	332	
Bundamba (Barclay St) AL *	0	8	1	0	8	33	52	161	8	0	271	
Springfield Lakes AL *	2	8	1	0	8	49	49	190	5	0	312	
Carole Park AL *	3	1	8	0	11	39	44	191	3	0	300	
Wacol AL *	1	0	1	0	13	50	48	170	3	0	286	
Greenbank(Thompson Rd) AL *	2	8	0	0	9	62	52	215	10	0	358	
Greenbank	3	5	1	0	8	52	44	189	11	0	313	
Forestdale(Johnson Rd) AL *	2	1	0	0	7	50	43	179	16	0	298	
Calamvale AL *	2	2	3	0	12	50	46	165	12	0	292	
Salisbury AL *	3	2	2	1	10	49	54	210	5	0	336	
Archerfield AWS *	3	3	4	0	11	32	41	157	3.4	0	255	
Inala AL *	2	3	5	0	11	35	42	176	4	0	278	
Corinda High AL *	3	1	4	0	11	39	40	138	1	0	237	
Holland Park West AL *	2	2	1	0	17	47	54	179	4	0	306	
Greenslopes	2	21 in 4				80 in 2		152 in 3			268	
East Brisbane AL *	1	2	2	0	18	48	56	181	3	0	311	
Eight Mile Plains AL *	1	2	8	0	10	50	54	167	16	0	308	
Wishart(Greenwood St) AL *	1	3	9	0	9	38	58	154	16	0	288	
Mansfield AL *	1	3	1	1	12	54	52	159	12	0	295	
Bulimba AL *	3	3	0	1	37	44	60	164	3	0	315	
Carindale AL *	1	3	0	2	15	51	48	143	6	0	269	
Camp Hill AL *	0	3	0	0	18	51	53	160	4	0	289	
Lytton AL *	4	3	0	3	22	27	42	122	4	1	228	
Hemmant AL *	1	1	0	1	16	43	39	120	2	0	223	
Ransome AL *	2	2	0	1	16	50	55	142	16	2	286	

Manly	8 in 4 days				0	16	34	33	115	12	0	219
Manly AL *	2	2	0	0	15	38	38	130	12	0	0	237
Wynnum Bowls Club AL *	2	1	0	0	14	31	55	116	8	7	0	234
Pullenvale AL *	1	2	0	0	24	44	84	277	4	0	0	436
Kenmore Hills AL *	0	3	0	0	33	50	86	299	8	0	0	479
Gold Ck Reservoir Hw TM *	0	4	1	0	42	66	87	329	15	0	0	544
Gold Ck Reservoir AL *	0	4	1	0	42	68	87	328	15	0	0	545
Green Hill Res AL *	1	5	0	0	36	49	73	280	5	0	0	449
Toowong AL *	2	5	0	0	43	40	93	224	5	0	0	412
Three Ways AL *	0	3	0	0	29	96	118	352	15	0	0	613
Enoggera Dam Hw TM *	0	4	0	0	48	57	69	312	8	1	0	499
Enoggera Dam AL *	0	4	0	0	48	58	70	312	8	1	0	501
Mt Coot-Tha AL *	1	5	0	0	43	66	92	319	8	0	0	534
Alderley AL *	2	6	0	1	42	42	66	202	1	0	0	362
Bowen Hills AL *	3	5	0	0	41	41	53	148	2	0	0	293
Brighton AL *	8	5	0	0	29	31	44	131	2	0	0	250
Upper Kedron AL *	1	5	0	2	42	72	67	277	7	0	0	473
Mitchelton(Osborne Rd) AL *	1	4	0	0	55	60	67	253	2	1	0	443
Alderley	3	5	0	0	50	120 in 2	221	2	2	0	0	409
Toombul(Nudgee Rd) AL *	3	5	0	4	37	41	53	139	2	0	0	284
Hendra AL *	3	6	0	3	36	37	51	153	2	0	0	291
Brisbane Ap AWS *	6	4	0	0	32	29	38	122	2.2	2	0	236
Luggage Point AL *	8	2	0	1	34	36	50	138	2	0	0	271
Frank Sleeman Park AL *	5	3	0	3	50	39	45	174	1	3	0	323
Geebung AL *	3	2	0	0	62	47	55	186	1	0	0	356
Boondall	9	2	0	2	46	32	46	157	2.6	4	0	301
Everton Hills AL *	2	4	0	1	44	49	63	246	3	0	0	412
Aspley Reservoir AL *	3	2	0	1	58	50	67	199	2	0	0	382
Deagon AL *	8	1	0	1	33	35	53	184	2	0	0	317
Maximum	9	8	9	4	62	96	118	352	16	7	0	613

Station Name	24 hour rainfall to 9am on											Total
	January											
	21	22	23	24	25	26	27	28	29	30	(mm)	
Pine/Caboolture												
Mt Glorious AL-P *	4	3	1	6	31	167	182	406	22	0	822	
Mt Nebo	4	3	0	1	38	128	112	406	12	0	705	
Mt Nebo AL *	3	3	0	2	40	134	115	447	13	0	757	
Highvale	2	3	1	1	26	88	88	317	12	0	536	
Cedar Ck Rd AL *	2	4	1	3	30	101	84	291	17	0	533	
Samford AL *	1	4	0	1	30	74	81	256	14	0	461	
Samford Village AL *	2	4	0	0	21	50	65	152	13	0	307	
Clear Mountain AL *	2	2	1	1	30	67	44	104	7	0	258	
Drapers Crossing AL *	2	3	0	1	26	58	73	220	4	0	387	
Cash's Crossing AL *	3	2	0	0	26	51	62	213	4	0	361	
Albany Creek AL *	3	2	0	1	28	48	57	220	3	0	362	
Normanby Way AL *	5	2	0	0	33	49	55	150	8	1	303	
Kluvers Lookout AL *	5	2	2	0	20	100	96	138	5	1	369	
Raynbird Creek AL *	9	1	1	2	29	118	168	311	10	0	649	
Laceys Creek AL *	5	2	1	1	20	92	121	204	7	0	453	

Baxters Creek AL *	5	1	3	0	22	88	203	264	5	0	591
Dayboro AL *	6	2	5	0	21	95	132	278	9	0	548
Dayboro Wwtp AL *	5	3	12	0	29	71	117	262	6	0	505
Mt Samson Rd AL *	3	3	5	1	36	74	114	268	5	0	509
North Pine Dam AL *	1	1	3	1	46	17	20	36	1	0	126
North Pine Dam AL-B *	1	1	3	1	46	17	20	39	1	0	129
Narangba	20	4	12	21	0	51	90	184	4	0	386
Browns Creek Road AL *	13	3	31	0	23	54	90	189	5	0	408
Lake Kurwongbah Hw TM *	3	2	6	2	54	42	51	165	2	0	327
Lake Kurwongbah AL *	3	3	5	0	0	42	53	164	2	0	272
Youngs Crossing AL *	3	1	6	1	70	49	96	165	2	0	393
Todds Road AL *	4	0	5	1	62	61	57	185	4	0	379
Lawnton AL *	4	1	0	1	59	45	45	142	4	1	302
John Bray Park AL *	6	4	0	1	5	44	56	165	6	2	289
Murrumba Downs AL *	6	2	0	0	36	48	57	160	3	0	312
Lipscombe Rd AL *	21	6	0	0	25	32	47	140	4	0	275
Woody Point AL *	10	3	0	0	42	39	42	109	2	0	247
Redcliffe AWS *	26	4	0	0	30	25	31	92	1	0	209
Mount Mee TM *	8	3	2	1	21	61	178	169	5	0	448
Mt Mee AL-P *	12	4	2	3	27	145	189	188	5	0	575
Mt Mee AL-B *	12	4	2	1	29	145	189	188	5	0	575
Moorina AL *	21	2	1	1	23	91	88	179	9	0	415
Oakey Flat Rd AL *	21	5	4	0	20	65	94	186	3	0	398
Burpengary(Rowley Rd) AL *	14	4	7	5	20	67	83	142	1	0	343
Burpengary (Dale St) AL *	15	2	2	0	17	53	76	144	2	0	311
Deception Bay AL *	18	4	0	0	18	32	49	145	2	0	268
Round Mt Reservoir AL *	3	2	1	1	20	54	85	134	5	0	305
Wamuran AL *	4	2	4	3	22	74	110	148	5	0	372
Upper Caboolture TM *	11	3	1	0	17	41	93	172	10	0	348
Upper Caboolture AL *	10	3	1	0	17	89	94	182	9	0	405
Caboolture Wtp AL *	10	1	1	0	18	72	112	148	3	0	365
Morayfield AL *	14	2	8	1	15	65	84	155	2	0	346
Sheepstation Creek AL *	11	2	6	0	15	55	88	174	2	0	353
Williams Rd AL *	3	3	1	1	4	71	102	162	10	0	357
Pumicestone Road AL *	5	4	5	0	12	62	88	168	3	0	347
Riversleigh Road AL *	16	2	4	0	15	44	83	163	2	0	329
Beachmere AL *	11	0	0	0	16	33	65	257	3	0	385
Bribie Island AL *	0	0	0	0	18	24	48	134	1	0	225
Godwin Beach	5	0	0	0	16	33	72	156	2	0	284
Bribie Island Quarry TM *	0	0	0	0	16	17	57	148	1	0	239
Westaways Creek TM *	0	5	0	2	28	29	80	143	3	0	290
Beerburrum AWS *	0	3	1	1	23	76	104	168	8	0	384
Rose Creek Road AL *	1	2	0	3	29	66	109	130	4	0	344
Maximum	26	6	31	21	70	167	203	447	22	2	822

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Mooloolah											
Bald Knob AL *	0	1	2	2	43	57	179	118	6	0	408

Ewen Maddock Dam AL *	0	1	2	2	48	55	191	153	7	0	459
Jordan St AL *	0	10	1	1	36	45	130	122	2	0	347
Sippy Downs AL *	0	0	0	0	51	25	141	112	3	0	332
Sugarbag Rd Wtp AL *	0	3	0	7	31	38	122	139	5	0	345
Palmview AL *	0	1	0	1	38	34	120	131	1	0	326
Meridan Way AL *	0	0	0	4	32	40	122	116	2	0	316
Parrearra Weir U/S AL *	0	0	0	1	35	30	111	104	0	0	281
Tanawha AL *	0	0	0	1	61	32	186	114	7	0	401
Bundilla AL *	0	1	0	0	58	23	137	106	1	0	326
Mountain Creek AL *	0	1	0	0	52	26	176	123	2	0	380
Golden Beach AL *	0	3	0	11	27	23	75	41	0	0	180
Landsborough	0	1	2	2	42	59	208	171	4	0	505
Landsborough AL *	0	1	2	1	46	72	216	167	4	0	509
Hume Lane AL *	0	0	1	1	46	72	249	180	14	0	563
Old Gympie Rd AL *	0	0	4	2	41	85	192	159	6	0	489
Beerwah AL *	0	0	1	3	39	85	161	137	5	0	431
Judds Road AL *	0	1	4	1	37	77	174	146	5	0	445
Glasshouse Mountains AL *	0	1	1	1	38	70	151	168	6	0	436
Mawsons Rd AL *	0	1	1	5	35	48	126	154	4	0	374
Maximum	0	10	4	11	61	85	249	180	14	0	563

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Maroochy												
Eerwah Vale AL *	0	1	0	11	83	87	182	119	2	0	485	
Eerwah Vale	0	3	1	11	82	86	216	133	2	0	534	
Ball Lookout AL *	0	0	1	4	88	69	207	293	2	0	664	
Eumundi	0	1	0	3	83	69	201	158	2	0	517	
Eumundi AL *	0	0	0	3	82	64	198	158	2	0	507	
Eumundi TM *	0	0	7	2	81	50	131	72	1	0	344	
Mapleton AL *	0	1	2	4	74	96	227	359	4	0	767	
Cooloolabin Dam AL *	0	1	2	7	98	133	301	258	3	0	803	
Poona Dam AL *	0	2	0	8	94	91	245	168	5	0	613	
Maroochy Intake Weir TM *	-	1	1	8	79	90	258	201	5	-	643	
Wappa Dam AL *	0	0	1	3	79	69	223	291	4	0	670	
Yandina TM *	0	0	18	4	68	53	197	146	3	0	489	
Yandina AL *	0	0	0	3	53	45	161	122	1	0	385	
Dunethin Rock AL *	0	4	0	3	74	32	107	97	2	0	319	
Yandina Creek AL *	0	0	0	4	71	53	166	143	2	0	439	
Upper Doonan AL *	0	0	0	1	71	41	120	100	4	0	337	
Doonan Creek AL *	0	0	0	1	66	38	121	103	1	0	330	
Coolum West AL *	0	1	0	6	69	37	147	129	2	0	391	
Coolum AL *	0	0	0	0	42	14	51	33	1	0	141	
Stoney Wharf Road AL *	0	1	0	0	57	20	164	83	3	0	328	
West Woombye AL *	0	1	0	1	87	73	372	181	5	0	720	
Nambour DPI - Hillside AWS *	0	5	0	0	80	54	82	67	41	0	329	
Bli Bli AL *	0	5	0	0	93	35	173	134	3	0	443	
Nambour AL *	0	3	1	0	70	58	210	178	5	0	525	
Palmwoods	0	6	0	0	86	48	197	138	4	0	479	

Palmwoods AL *	0	5	0	0	85	45	190	141	6	0	472
Palmwoods Sportsground AL *	0	5	0	1	95	54	202	134	6	0	497
Diddillibah AL *	0	1	0	1	78	39	164	119	3	0	405
Eudlo AL *	0	0	0	1	61	49	189	120	5	0	425
Eudlo Flats Rd AL *	0	4	0	0	86	37	184	123	6	0	440
Maroochydore Depot AL *	0	5	0	1	62	23	106	0	0	0	197
Picnic Point AL *	0	2	0	0	72	21	249	110	0	0	454
Maximum	0	6	18	11	98	133	372	359	41	0	803

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Noosa												
Rainbow Beach SYN	0	0	0	2	121	56	127	73	0	0	379	
Coops Corner AL *	0	0	0	1	104	55	135	98	3	0	396	
Coops Corner TM *	0	0	0	1	107	62	161	89	3	0	423	
Mount Elliot AL *	0	0	2	8	136	63	215	65	1	0	490	
Mount Wolvi AL *	0	0	0	6	94	59	176	100	5	0	440	
Black Pinch Road AL *	0	1	0	3	120	71	189	117	3	0	504	
Boreen Point AL *	0	0	0	3	75	53	139	161	1	0	432	
Lake Cooroibah AL *	0	1	0	2	81	55	138	89	2	0	368	
Mount Tinbeerwah AL *	0	1	0	12	98	81	193	136	5	0	526	
Tewantin AWS *	0	1	0	4	74	43	122	88	2	0	334	
Tewantin AL *	0	0	0	4	73	42	121	90	1	0	331	
Noosa Heads AL *	0	0	0	4	79	40	160	80	2	0	365	
Maximum	0	1	2	12	136	81	215	161	5	0	526	

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Mary												
Maleny AL *	1	0	0	2	59	108	312	287	8	0	777	
Maleny	0	2	1	2	63	111	242	259	48	0	728	
Baroon Boat Ramp AL *	0	3	2	1	85	94	275	257	4	0	721	
Obi Lookout AL *	0	2	0	2	61	91	243	150	7	0	556	
West Bellthorpe AL *	0	0	1	2	32	62	192	152	11	0	452	
Bellthorpe (Gap Rd) AL *	0	1	1	2	43	77	216	113	6	0	459	
Harper Creek AL *	0	1	2	1	43	53	173	121	9	0	403	
Grigor Road AL *	0	0	2	3	41	41	169	114	4	0	374	
Conondale AL *	0	0	1	1	54	60	198	122	3	0	439	
Bellbird Creek AL *	0	2	2	1	51	59	186	122	5	0	428	
Bellbird Creek TM *	0	2	2	1	53	62	173	119	6	0	418	
Coolabine Creek AL *	0	1	0	2	53	60	189	231	5	0	541	
Kenilworth H/S AL *	0	0	1	2	49	48	151	120	4	0	375	
Moy Pocket AL *	0	0	1	3	62	67	305	126	6	0	570	
Moy Pocket TM *	0	0	0	3	53	55	146	80	5	0	342	
Jimna Forestry AWS *	0	0	0	0	27	42	207	-	11	0	287	
Jimna AL *	0	0	0	0	25	36	176	105	10	0	352	
Sunday Creek AL *	0	0	0	2	30	76	317	148	12	0	585	
Borumba Dam Hw TM *	0	1	2	1	58	55	248	175	4	0	544	

Borumba Dam Hw AL *	0	1	1	5	57	55	255	175	4	0	553
Borumba Dam	0	1	2	1	67	46	243	199	4	0	563
Imbil P.O	0	0	5	12	70	57	183	168	0	2	497
Mortimer TM *	0	0	1	2	49	87	197	103	9	0	448
Zachariah TM *	0	0	0	5	82	71	285	124	3	0	570
Dagun Pocket AL *	0	0	0	5	71	44	163	73	1	0	357
Cooroy AL *	0	0	0	25	91	86	224	261	2	0	689
Pomona AL *	0	0	0	10	99	60	239	148	0	0	556
Lake Macdonald Dam AL *	0	0	0	10	108	90	209	135	5	0	557
Cooran TM *	0	2	0	6	95	66	187	164	0	0	520
Cooran AL *	0	1	0	8	105	77	228	182	1	0	602
Cedar Pocket Dam AL *	0	0	1	5	75	56	234	91	1	0	463
Gympie AWS *	0	1	0	5	74	43	239	61	3	0	426
Gympie AL *	0	0	0	6	83	50	352	71	2	1	565
Fishermans Pocket TM *	0	0	0	5	98	53	281	74	3	0	514
Brooyar TM *	0	0	0	9	36	36	254	54	1	1	391
Brooweena TM *	0	0	0	17	97	60	247	3	2	0	426
Mt Joseph TM *	0	0	0	10	101	73	251	13	1	0	449
Marodian TM *	0	2	0	12	73	80	347	28	3	0	545
Home Park TM *	0	0	0	19	67	69	306	21	1	0	483
Tiaro Po	0	1	0	24	65	75	209	17	3	0	394
Goomborian	0	0	2	2	98	55	188	93	2	0	440
Goomborian TM *	0	0	1	5	100	59	220	51	1	0	437
Maryborough AWS *	0	0	0	8	97	88	259	12	0	0	464
Ghost Hill AL *	0	0	0	7	63	101	220	6	0	0	397
Booral Road AL *	0	0	0	8	73	94	257	8	0	0	440
Black Swamp AL *	0	0	0	8	69	104	296	11	1	0	489
Riverheads	0	0	0	6	59	56	152	13	0	0	286
Maximum	1	3	5	25	108	111	352	287	48	2	777

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Burrum/Cherwell											
Fairlies Knob TM *	0	0	0	11	75	71	252	6	1	0	416
Musket Flat Mt AL *	0	0	0	12	84	56	288	2	0	0	442
Lenthalls Dam AL *	0	0	0	6	72	73	305	7	0	0	463
Howard AL *	0	0	0	10	63	73	312	10	1	0	469
Torbanlea AL *	0	0	0	9	70	85	376	15	0	0	555
Childers South	0	0	0	4	101	102	260	2	0	0	469
Upper Cherwell AL *	0	0	0	8	78	86	269	1	1	0	443
Railway Bridge AL *	0	0	0	6	76	88	288	4	0	0	462
Hervey Bay AWS *	0	0	0	16	59	71	174	10	0	0	331
Burrum Highway TM *	0	0	2	20	121	134	215	3	0	0	495
Leesons TM *	0	0	0	10	127	114	291	1	0	0	543
Woodgate Store	0	0	0	20	91	100	309	0	0	0	505
Takura Reservoir AL *	0	0	0	10	56	97	355	11	0	0	529
Maximum	0	0	2	20	127	134	376	15	1	0	555

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Burnett											
Upper Monal TM *	0	0	0	18	163	201	219	2	0	0	603
Dakiel TM *	0	0	2	7	150	28	156	0	1	0	344
Monto Township SYN	0	0	0	19	139	96	185	0	1	0	440
Abercorn	0	0	0	10	77	71	175	2	1	0	336
Colodan	0	0	0	9	94	88	98	2	0	0	291
Wuruma Dam	0	0	0	7	68	66	150	7	0	0	298
Eidsvold Bridge	0	0	0	0	44	47	170	1	1	0	262
Glenwood	-	-	-	-	28	30	198	-	-	-	256
Dykehead TM *	0	0	0	1	25	34	218	11	0	-	289
Brovinia TM *	0	0	0	0	19	3	242	6	0	0	270
Durong South	0	0	0	0	14	4	172	41	0	0	231
Kingaroy AWS *	0	0	0	0	16	15	234	62	5	0	332
Proston	3	0	0	0	19	245 in 2		62 in 2		0	310
Proston TM *	0	0	0	0	19	14	285	77	1	0	396
Dunollie	0	0	0	0	25	21	230	17	0	0	293
Cooranga TM *	0	0	0	0	19	19	233	15	0	0	286
Mundubbera	0	0	0	0	38	27	315	6	0	0	386
Reid Creek TM *	0	0	0	12	75	69	269	2	0	0	427
Gayndah Ap AWS *	0	0	0	2	39	39	283	4	1	0	368
Dandabah TM *	0	0	0	0	13	17	193	175	13	0	411
Brooklands TM *	0	0	0	0	7	3	138	63	7	0	218
Embreys Bridge	0	0	0	0	16	0	202	66	17	0	301
Nanango	0	0	0	0	16	11	183	58	6	0	274
Glenmore TM *	0	0	0	0	19	11	205	24	3	0	262
West Barambah TM *	0	0	0	0	20	16	200	19	6	0	261
Ban Ban TM *	0	0	0	2	53	24	291	12	3	0	385
Brian Pastures	0	0	0	0	42	29	268	5	3	0	347
Mt Lawless TM *	0	0	0	0	0	0	0	0	0	0	0
Dingle Dell TM *	0	1	0	6	84	97	322	2	0	0	512
Mt Perry	0	0	0	11	89	112	345	3	0	0	561
Mt Yeatman TM *	0	0	0	2	46	54	294	2	0	0	398
Byrnestown TM *	0	0	0	1	41	25	252	3	1	0	323
Biggenden	0	0	0	9	56	47	296	2	0	0	410
Biggenden TM *	0	0	0	7	3	21	325	1	0	0	357
Coringa TM *	0	0	0	5	60	57	334	2	1	0	459
Paradise Dam Hw TM *	0	0	0	10	61	58	378	3	0	1	511
Fig Tree TM *	0	0	0	16	76	74	407	2	0	0	575
Walla TM *	0	0	0	6	76	86	480	1	0	0	649
Woongarra TM *	0	0	0	18	104	138	240	0	0	0	501
Bundaberg AWS *	0	0	0	12	102	118	252	0	0	0	484
Maximum	3	1	2	19	163	201	480	175	17	1	649

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		

Kolan											
Mt Wallaby	-	-	8	26	177	182	356	-	-	-	749
Springfield TM *	0	0	9	20	182	215	314	0	0	0	740
Monduran	-	-	9	29	97	141	245	-	-	-	521
Gin Gin	-	-	-	18	100	147	-	-	-	-	265
Bucca Weir Hw TM *	0	0	0	21	102	137	349	1	0	0	610
Maximum	0	0	9	29	182	215	356	1	0	0	749

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Baffle												
Miriam Vale TM *	1	2	5	66	175	250	237	0	0	0	736	
Makowata	4	0	10	52	183	318	274	1	1	0	843	
Mimdale TM *	1	2	4	53	168	265	276	0	0	0	769	
Amphthill TM *	-	2	7	26	136	200	147	0	0	0	518	
Rosedale	-	3	9	32	140	-	-	-	-	0	184	
Captain Creek TM *	1	4	6	97	225	399	275	0	0	0	1007	
Rapleys TM *	3	4	8	76	189	297	223	0	-	-	800	
Town Of 1770	0	1	0	35	99	290	117	0	0	0	542	
Maximum	4	4	10	97	225	399	276	1	1	0	1007	

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Boyne												
Builyan	0	3	3	33	144	218	249	1	0	0	651	
Nagoorin TM *	0	1	1	38	176	257	215	0	0	0	688	
Milton TM *	0	0	0	45	228	302	190	0	0	0	765	
Gladstone Radar AWS *	0	0	0	162	254	228	176	-	0	0	821	
Gladstone Airport AWS *	0	0	1	147	272	220	111	-	0	0	751	
Maximum	0	3	3	162	272	302	249	1	0	0	821	

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Calliope												
Hazeldean	0	0	0	98	262	233	121	1	0	0	715	
Castlehope TM *	1	0	0	104	306	273	152	0	0	0	836	
Mt Larcom	0	0	0	134	270	422 in 2		0	0	0	826	
Maximum	1	0	0	134	306	273	152	1	0	0	836	

Station Name	24 hour rainfall to 9am on											Total
	January											
	21	22	23	24	25	26	27	28	29	30	(mm)	
Dawson												
Westgrove TM *	0	0	0	2	0	22	3	0	0	0	27	
Boxvale TM *	0	0	0	0	18	19	28	1	0	0	66	
Waddy Brae TM *	0	0	0	0	12	9	40	3	0	0	64	

Injune SYN	0	0	0	0	6	3	26	3	0	0	38
Injune TM *	0	0	0	0	5	3	23	5	0	0	36
Utopia Downs TM *	0	0	0	0	30	7	72	0	0	0	109
Pine Hills TM *	0	0	0	0	4	0	21	6	1	0	31
Peekadoo TM *	0	0	0	0	11	3	31	0	0	0	45
Eurombah Creek TM *	0	0	0	0	12	2	32	1	0	0	47
Tarana Crossing	0	0	0	0	19	8	44	0	0	0	71
Gilgulgul TM *	0	0	0	0	10	1	90	7	0	0	109
Woleebee	0	0	0	0	13	0	52	5	0	0	70
Windamere TM *	0	0	0	0	15	6	64	1	0	0	86
Currajong	0	0	0	0	33	20	69	2	0	0	124
The Sandstone	0	0	0	0	41	36	108	4	0	0	189
Taroom SYN	0	0	0	0	20	16	57	3	1	0	96
Taroom TM *	21	0	0	0	10	1	1	0	0	0	33
Broadmere TM *	0	0	0	0	22	20	35	0	0	0	77
La Palma TM *	1	0	0	0	12	12	39	2	0	0	66
Cockatoo Ck TM *	0	0	0	0	8	9	50	4	1	0	72
Camboon	0	0	0	75	62	58	19	6	0	0	220
Theodore	-	-	-	3	55	76	37	4	-	-	175
Woodleigh TM *	0	0	0	1	73	128	72	9	0	0	283
Moura	0	0	0	15	93	101	77	4	0	0	290
Blackboy Creek TM *	0	0	0	18	97	113	20	0	0	0	248
Bauhinia Downs	4	-	-	9	71	64	17	-	-	-	165
Redcliffe TM *	0	0	0	15	109	89	40	0	0	0	253
Roundstone Creek TM *	0	0	0	7	77	123	65	1	0	0	273
Bindaree TM *	0	0	0	11	105	78	68	2	0	0	264
Banana	0	0	0	0	113	107 in 4 days				0	220
Baralaba SYN	-	-	-	33	151	147	84	2	-	-	417
Beckers TM *	0	0	0	35	163	103	80	2	0	0	383
Blue Hills TM *	0	0	0	13	170	259	93	8	1	0	544
South Kariboe Creek TM *	-	-	0	3	99	59	82	2	0	0	245
Callide Dam Inflow TM *	0	0	0	22	117	141	38	3	0	0	321
Boolaroo Tops TM *	0	3	4	44	395	497	468	13	2	0	1426
Kroombit Tops TM *	0	1	2	41	281	373	199	6	3	0	906
Thangool Ap SYN	1	0	2	11	116	109	67	3	0	0	308
Biloela Townsite	2	-	2	17	129	-	47	-	-	-	197
Folding Hills TM *	40	0	0	-	98	138	71	4	0	0	351
Red Hill TM *	0	0	1	17	120	115	40	2	0	0	295
Besch's Hill TM *	18	0	1	77	451	302	88	3	0	0	940
Kingsborough TM *	0	0	0	35	199	122	14	1	0	0	371
Doreen TM *	0	0	0	33	189	140	17	0	0	0	379
Jambin	0	0	0	32	160	81	23	0	0	0	296
Craiglands TM *	-	-	-	28	122	74	56	5	0	0	285
Goovigen TM *	0	0	0	22	178	117	17	0	0	0	334
Upper Dee TM *	0	0	2	157	587	315	41	0	0	0	1102
Mundic Gully TM *	0	0	0	104	284	-	-	0	0	0	388
Number 7 Dam TM *	0	0	0	95	332	-	-	0	0	0	427
Kenbula TM *	0	0	0	95	369	161	25	1	0	0	651
Wura TM *	0	0	0	69	233	130	14	0	0	0	446
Wowan	0	0	0	46	243 in 3			0	0	0	289
Wowan Cemetery Rd TM *	0	0	0	51	206	-	-	-	-	-	257

Alma Ck Bore TM *	0	0	0	40	209	149	36	1	0	0	435
Rannes TM *	0	0	0	23	142	111	50	1	0	0	327
Duaringa	0	0	48	163	257	62	0	0	0	0	530
Maximum	40	3	48	163	587	497	468	13	3	0	1426

Station Name	24 hour rainfall to 9am on											Total
	January											
	21	22	23	24	25	26	27	28	29	30	(mm)	
Mackenzie												
Rewan	4	0	0	0	22	22	27	0	0	0	75	
Rewan TM *	1		0	0	10	6	11	0	0	0	28	
Wyseby	0	0	0	0	22	49	23	0	0	0	94	
Lake Brown TM *	7	-	0	0	12	33	14	1	0	0	67	
The Crescent AL *	0	0	0	2	35	34	66	0	0	0	137	
Mt Panorama AL *	0	0	0	2	41	99	4	0	0	0	146	
Rolleston AL *	0	0	0	1	30	44	56	0	0	0	131	
Rolleston Airport AWS *	0	0	0	1	28	85	9	-	-	0	123	
Katrina Downs TM *	0	0	0	3	27	38	16	0	0	0	84	
Somerby	0	0	0	0	34	36	18	0	0	0	88	
Red Rock TM *	0	0	0	2	32	30	7	1	0	0	72	
Humboldt AL *	0	0	0	2	42	29	4	1	0	0	77	
Helen Downs TM *	0	0	0	0	19	36	24	0	0	0	79	
Arcturus Downs AL *	0	0	0	0	22	34	4	0	0	0	60	
Springsure SYN	0	0	0	0	24	77	10	0	0	0	112	
Roddas Lookout AL *	1	0	0	0	30	61	5	1	0	0	98	
Springsure TM *	0	0	0	0	21	75	11	0	0	0	107	
Cowley TM *	0	0	0	0	15	26	8	1	0	0	50	
Springsure Creek Junction TM *	0	0	0	0	26	46	15	0	0	0	87	
Springsure Creek Junction AL *	0	0	0	1	40	43	14	0	0	0	98	
Blackdown Tableland TM *	1	0	0	15	123	241	30	0	0	0	410	
Glenora Road TM *	0	0	0	0	29	38	5	0	0	0	72	
Blackdown Tableland AL *	2	0	0	23	168	195	23	1	0	0	412	
Comet Weir TM *	0	0	0	0	41	52	5	0	0	0	98	
Comet Weir AL *	0	0	0	2	44	27	5	0	0	0	78	
Comet	0	0	0	2	43	55	5	0	0	0	105	
Upper Claude River AL *	0	0	0	0	0	0	0	0	0	0	0	
Mantuan Downs TM *	0	0	0	0	2	3	0	7	0	1	13	
Wharton Creek	7	0	0	0	7	0	0	0	0	0	14	
Glen Rock AL *	0	0	0	0	1	6	0	0	0	0	7	
Echo Hills AL *	0	0	0	0	1	23	0	0	0	0	24	
Raymond AL *	0	0	0	0	2	10	1	0	0	0	13	
Upper Van Dyke AL *	1	0	0	0	2	2	1	0	0	0	6	
Penjobe TM *	4	0	0	0	2	2	1	0	0	0	9	
Heathwood AL *	1	0	0	0	18	20	5	0	0	0	44	
Van Dyke Creek AL *	0	0	0	0	11	18	5	0	0	0	34	
Bogantungan TM *	0	0	0	1	23	34	3	0	0	0	62	
Green Valley AL *	0	0	0	0	18	24	0	0	0	0	42	
Billaboo AL *	0	0	0	8	64	49	4	0	0	0	125	
Mt Mayde AL *	0	0	0	0	15	16	0	0	0	0	31	
Lochington AWS *	2	0	0	0	5	17	1	-	-	0	25	

Ducabrook AL *	1	0	0	0	7	20	0	0	0	0	29
Kulumur Range AL *	0	0	0	0	23	45	8	0	0	0	76
Craigmore TM *	-	-	-	0	13	21	6	0	0	0	40
Craigmore AL *	1	0	0	0	17	20	3	0	0	0	41
Avocet AL *	0	0	0	1	28	36	6	0	0	0	71
Fairbairn Dam AL *	0	0	0	2	26	19	0	0	0	0	47
Emerald Ap AWS *	0	0	0	3	34	23	2		0	0	62
Emerald AL *	0	0	1	2	37	16	3	0	0	0	58
Emerald Radar AL *	0	0	0	3	43	21	2	0	0	0	69
Peakvale	0	0	25	0	43	30	0	0	0	0	98
Sunny Park AL *	0	0	2	9	67	10	22	0	0	0	110
Tieri AL *	0	0	0	1	11	0	2	0	0	0	14
West Wolfgang Creek TM *	0	0	0	13	72	21	3	0	0	0	109
Clermont TM *	0	0	0	8	79	37	4	0	0	0	128
Clermont	0	0	0	6	90	47	0	0	0	0	143
Sandy Creek Bridge TM *	0	0	0	6	80	44	2	0	0	0	132
Florence Vale AL *	0	0	7	1	43	29	2	0	0	0	81
Valeria AL *	0	0	0	1	75	7	2	0	0	0	85
Valeria TM *	0	0	0	1	79	46	3	0	0	0	129
Capella (Rowe's Hill) AL *	0	0	0	2	118	21	3	0	0	0	145
Capella	0	0	0	4	105	39	8	0	0	0	156
Anakie	0	0	0	0	33	45	10	0	0	0	88
Keilambete AL *	0	0	0	1	34	44	3	0	0	0	81
Keilambete TM *	0	0	0	1	34	54	4	0	0	0	93
Sapphire AL *	0	0	0	0	27	20	0	0	0	0	47
Rubyvale AL *	0	0	0	1	47	29	2	0	0	0	79
Gregory Highway AL *	0	0	1	2	60	2	2	0	0	0	67
Duckponds TM *	0	0	0	2	64	56	6	0	0	0	128
Duckponds AL *	0	0	0	3	69	38	3	0	0	0	113
Riley's Crossing TM *	0	0	0	1	59	44	27	0	0	0	131
Rileys Crossing AL *	0	0	0	2	64	29	27	1	0	0	123
Bedford Weir Tw AL *	0	0	0	5	104	29	12	0	0	0	150
Middlemount AL *	0	0	1	21	296	13	12	1	0	0	344
Middlemount TM *	0	0	1	21	278	16	9	0	0	0	325
Bingegang Weir AL *	0	0	0	12	149	3	56	2	0	0	222
Mt Ewan TM *	0	0	0	73	106	6	10	0	0	0	195
Isaac River Bridge TM *	0	0	3	33	100	8	2	0	0	0	145
Mt Spencer TM *	0	3	8	131	208	5	0	0	0	0	355
Deverill TM *	0	0	0	54	112	12	4	0	0	0	182
Dysart AL *	0	0	0	18	136	0	-	-	0	0	154
Carfax	0	0	14	45	202	12	8	0	0	0	281
Mt Bridget TM *	0	6	2	107	245	20	10	0	0	0	390
Cardowan	0	0	0	102	218	25	0	0	0	0	345
Doraville	0	12	7	141	204	1	4	0	0	0	368
Blue Mountain	1	10	18	149	145	5 in 2		0	0	0	328
Prospect Creek TM *	0	4	17	150	148	7	6	0	0	0	332
Funnel Creek TM *	-	-	1	77	170	24	8	-	-	-	280
Braeside TM *	0	-	-	71	174	15	6	0	0	-	266
Nebo TM *	0	0	1	66	109	9	26	0	0	0	211
Cockenzie TM *	0	0	4	60	148	18	5	0	0	0	235
Bee Creek TM *	0	0	3	60	150	21	8	0	0	0	242

Upper Bee Ck TM *	0	0	12	219	232	0	7	0	0	0	470
Pink Lagoon TM *	0	0	0	0	0	0	0	0	0	0	0
St Lawrence SYN	0	4	1	107	224	21 in 4 days					357
St Lawrence [1] AWS *	0	6	0	119	209	20	1	-	0	0	355
Yatton TM *	-	1	-	34	285	-	4	-	-	-	324
Coolmaringa TM *	0	0	0	11	162	104	30	0	0	0	307
Maximum	7	12	25	219	296	241	66	7	0	1	470

Station Name	24 hour rainfall to 9am on											Total
	January											
	21	22	23	24	25	26	27	28	29	30	(mm)	
Fitzroy												
Riverslea TM *	0	0	0	42	221	168	26	0	0	0	457	
Melrose	0	0	1	17	213	125	8	1	0	0	366	
Westwood TM *	0	0	0	77	252	92	10	0	0	0	431	
The Gap TM *	0	1	0	14	172	86	16	0	0	0	289	
Yaamba	0	0	0	44	314	41	13	0	0	0	412	
Hedlow Airfield TM *	0	0	0	108	205	-	-	-	-	-	314	
Samuel Hill AWS *	0	1	4	103	370	-	76	-	0	1	556	
The Glen TM *	0	0	4	51	190	33	4	0	0	0	283	
South Yaamba TM *	0	0	0	48	330	42	23	0	0	0	443	
Glenlands	-	-	-	168	459	183	41	-	-	-	851	
Rockhampton AWS *	0	0	0	118	349	49	29	Tr	0	0	545	
Rockley Station				116	350	193					659	
Raglan Ck TM *	0	0	1	93	237	165	51	0	0	0	547	
Byfield	3		12	110	427	62	72				686	
Pacific Heights				63	557	75	82				777	
Yeppoon AWS *	0	1	0				94	0	0		95	
Maximum	3	1	12	168	557	193	94	1	0	1	851	

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Plane											
Carmila TM *	2	2	7	119	276	19	1	0	0	0	426
Mt Christian TM *	0	0	0	0	0	0	0	0	0	0	0
Koumala TM *	2	4	16	152	173	2	6	0	0	0	355
Sarina	-	-	-	-	112	3	3	-	-	-	118
Kinchant Dam TM *	0	8	5	122	134	0	0	0	7	0	276
Mt Vince West TM *	0	9	5	136	130	0	0	0	0	0	280
Maximum	2	9	16	152	276	19	6	0	7	0	426

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Pioneer											
Greenmount AL *	0	10	6	112	94	0	0	0	0	0	222
Plevna AL *	1	13	10	141	125	23	11	0	0	1	325
Ridgelands AL *	0	14	10	150	120	12	12	0	0	0	318

Teemburra Ck TM *	0	17	6	160	97	0	1	0	0	1	282
Teemburra Dam AL *	0	9	5	-	76	0	1	0	0	4	95
Whiteford's TM *	0	7	1	112	132	2	2	0	0	2	258
Whiteford's AL *	0	7	1	111	122	1	1	0	0	2	245
Hannaville AL *	0	12	13	153	200	0	3	0	0	6	387
Sarich's AL *	0	7	3	130	107	1	1	0	0	0	249
Mt William TM *	-	2	25	134	156	2	-	-	-	-	319
Clarke Range AL *	0	17	29	112	90	21	6	0	0	0	275
Clarke Range2 AL *	1	18	31	113	94	20	6	0	0	0	283
Eungella AL *	0	40	10	153	131	22	21	0	0	0	377
Finch Hatton AL *	0	24	11	159	99	0	5	0	0	3	301
Gargett AL *	0	16	9	164	3	0	0	0	0	0	192
Septimus TM *	0	8	-	129	78	0	0	0	0	0	215
Dow's Creek AL *	0	18	8	159	82	0	2	0	0	5	274
Mirani Weir TM *	0	15	4	127	64	0	2	0	0	0	212
Mirani Weir AL *	0	17	5	143	69	1	1	0	0	0	236
Mirani	0	9.5	5	128	162	1	2	-	-	0	308
Marian-Eton Rd TM *	0	13	-	147	141	0	0	0	0	0	301
Dumbleton Rocks AL *	0	8	6	141	70	0	1	0	0	0	226
Hospital Bridge AL *	1	4	4	208	82	0	2	0	0	0	301
Mackay AWS *	0	0	8	159	75	0	1	0	-	0	243
Mackay Ap AWS *	0	3	5	189	84	0	1	0	0	0	282
Mackay AL *	0	1	2	219	78	0	1	0	0	0	301
Rowallan Park AL *	0	2	3	163	82	0	1	0	0	0	251
Gooseponds AL *	0	3	2	224	84	0	2	0	0	0	315
Bakers Creek AL *	0	2	5	195	76	0	1	0	0	0	279
Brightley TM *	0	7	7	166	163	0	0	0	0	0	343
Homebush TM *	2	8	11	135	133	0	0	0	0	0	289
Munburra Rd TM *	0	12	7	187	103	1	2	0	0	0	312
Mt Roy TM *	0	5	7	109	78	1	3	0	0	0	203
Mt Jukes	-	15	10	124	242	5	2	-	-	-	398
Mt Charlton	-	9	10	162	82	-	-	-	-	-	263
Calen TM *	0	2	4	121	40	0	0	0	0	0	167
Forbes Road TM *	3	1	0	130	54	1	4	0	0	21	214
Jochheims TM *	3	2	2	222	84	0	2	0	0	0	315
Maximum	3	40	31	224	242	23	21	0	0	21	398

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Proserpine											
Hecate	1	2	35	157	102	2	-	-	-	2	301
Hecate TM *	-	-	8	157	78	-	1	-	-	-	244
Crystal Brook	-	-	15	159	51	-	-	-	-	-	225
Proserpine Ap AWS *	0	2	14	178	45	0	17	0	0	3	259
Proserpine Fuller St	-	2	14	151	29	1	-	-	-	6	203
Lower Gregory TM *	0	1	15	159	32	0	34	0	0	0	241
Maximum	1	2	35	178	102	2	34	0	0	6	301

Station Name	24 hour rainfall to 9am on	Total
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	January										(mm)
	21	22	23	24	25	26	27	28	29	30	
Don											
Upper Don AL *	0	1	4	123	78	2	4	0	0	0	212
Boundary Creek AL *	0	0	2	159	65	2	10	0	0	2	240
Pretty Bend TM *	-	-	-	144	75	-	4	-	-	25	248
Emu Creek AL *	0	0	7	141	101	1	19	0	0	1	270
Ida Creek TM *	0	2	5	153	68	1	16	0	0	3	248
Ida Creek AL *	0	2	5	163	79	1	17	0	0	3	270
Moss Vale AL *	0	1	4	137	59	0	13	0	0	10	224
Mt Dangar AL *	0	1	9	136	63	0	16	0	0	0	225
										2.0 in 2	
Warden Bend	-	-	10	177	78	0.6	20	-	-		288
Roma Peak	-	4	6	159	99	2	16	-	3	-	289
Roma Peak AL *	0	1	4	148	84	2	15	0	0	3	257
Reeves AL *	0	0	8	156	83	0	17	0	0	3	267
Bowen Pump Station AL *	0	0	22	124	48	0	12	0	0	0	206
Bowen SYN	0	0	24	131	34	1.2	11	0	0	0	201
Guthalungra TM *	0	0	25	164	38	1	16	1	1	0	246
Maximum	0	4	25	177	101	2	20	1	3	25	289

Station Name	24 hour rainfall to 9am on											Total (mm)
	January											
	21	22	23	24	25	26	27	28	29	30		
Burdekin												
Glen Harding	2	30	48	109	7	8	-	-	-	-	204	
Lake Lucy TM *	1	4	16	79	32	0	0	0	0	0	132	
Lucky Springs	-	-	3	37	9	4	-	-	-	-	53	
Greenvale Town	-	-	6	45	12	2	-	-	-	-	65	
Blue Range TM *	0	0	5	66	10	0	0	0	0	0	81	
Mt Fullstop TM *	0	0	3	95	21	0	0	0	0	0	119	
Mt Bradley TM *	0	0	15	147	11	0	0	0	0	0	173	
Laroonia TM *	0	0	8	186	18	0	0	0	0	0	212	
Paluma AL *	17	15	129	347	27	0	0	0	0	0	535	
Paluma	185 in 3			405	32	-	1	-	-	-	623	
Paluma Dam AL *	14	35	203	328	23	0	1	0	0	0	604	
Bluff Downs TM *	0	0	1	73	8	0	0	0	0	0	82	
Gainsford TM *	0	0	0	103	14	0	0	0	0	0	117	
Keelbottom TM *	-	-	17	168	52	-	-	-	-	-	237	
Charters Towers SYN	0	0	2	138	7	0	0	0	0	0	148	
Sellheim AL *	0	0	1	127	10	1	3	0	0	0	142	
Ravenswood AL *	0	0	1	147	24	2	1	0	0	0	175	
Ravenswood	-	-	2	133	27	2	3	-	-	-	167	
Violet Grove TM *	0	0	0	0	0	3	0	0	0	0	3	
Ulcanbah	-	-	-	-	14	7	0	-	-	-	21	
Winvic	-	-	-	6	48	20	-	-	-	-	74	
Twin Hills TM *	-	-	-	-	-	9	3	-	0	0	12	
Belyando Crossing TM *	0	0	0	20	45	11	3	0	0	0	79	
Eaglefield TM *	0	0	0	42	114	8	7	0	0	0	171	
Dooruna Downs	-	-	-	-	88	14	-	-	-	-	102	

Bowen Development Rd TM *	0	0	0	19	64	11	4	0	0	0	98
St Anns TM *	0	0	0	53	62	4	0	0	0	0	119
St Anns AL *	0	0	0	62	68	4	0	0	0	0	134
Scartwater AL *	0	0	0	69	58	11	1	0	0	0	139
Mt Mcconnel	-	-	-	82	82	7	-	-	-	-	171
Pentland TM *	0	0	0	13	11	1	0	0	0	0	25
Betts Creek TM *	0	0	0	12	5	0	0	0	0	0	17
Broadleigh Downs	-	-	-	69	41	-	-	-	-	-	110
Balfes Creek	-	-	-	72	35	-	-	-	-	-	107
Taemas AL *	0	0	0	52	32	4	0	0	0	0	88
Taemas	-	-	-	45	-	-	-	-	-	-	45
Taemas TM *	0	0	0	2	41	4	0	0	0	0	47
Burdekin Dam	-	-	-	72	32	6	1	-	-	-	111
Burdekin Dam AL *	0	0	0	55	25	5	1	0	0	0	86
Turrawalla Station	-	1	-	89	101	3	4	-	-	-	199
Blenheim AL *	0	1	0	81	97	9	5	0	0	0	193
Old Racecourse TM *	-	4	-	70	63	5	17	-	-	-	159
Eungella Dam AL *	0	5	5	104	114	24	14	0	0	0	266
Ernest Creek TM *	-	-	-	114	71	3	-	-	-	-	188
Urannah TM *	-	-	-	105	106	2	-	-	-	-	213
Sutherland AL *	0	0	1	122	108	7	5	0	0	2	245
The Stonewall AL *	0	0	0	101	85	8	4	0	0	0	198
Jacks Creek AL *	0	0	0	108	101	2	5	0	0	0	216
Weetalaba AL *	0	0	0	96	148	4	0	0	0	0	248
Collinsville SYN	0	0	0	109	122	7	13	0	0	0	251
Myuna AL *	0	0	0	118	122	2	1	0	0	0	243
Dalbeg AL *	0	0	1	134	61	1	0	0	0	0	197
Expedition Pass AL *	0	0	3	213	84	0	4	0	0	21	325
Upper Bogie AL *	0	0	2	144	105	6	10	0	0	0	267
Mt Pleasant AL *	0	1	4	178	95	0	6	0	0	0	284
Eton Vale AL *	0	0	3	138	96	4	2	0	0	0	243
Strathbogie AL *	0	0	6	108	-	-	-	-	-	-	114
Millaroo AL *	0	0	2	174	30	0	7	0	0	0	213
Landers Creek AL *	0	0	3	209	49	0	5	0	0	0	266
Clare AL *	0	0	14	197	30	0	28	0	0	0	269
Mt Kelly AL *	0	2	19	146	10	3	0	0	0	0	180
Ayr AL *	0	3	27	203	8	2	0	1	0	0	244
Inkerman Bridge AL *	0	2	18	147	6	1	2	0	5	0	181
Brandon AL *	4	0	22	175	6	5	4	0	0	0	216
Yellow Gin Creek AL *	0	0	17	140	23	2	17	0	15	0	214
Rita Island AL *	0	1	25	164	23	1	5	0	21	0	240
Groper Creek AL *	0	4	17	126	18	1	6	0	3	0	175
Home Hill	2 in 3	6	21	158	11	20 in 4			-		218
Ayr DPI AWS *	0	2	20	179	7	5	1	0	0	0	216
Alva Beach AWS *	2	4	36	156	11	1	6	0	1	0	217
Maximum	17	35	203	405	148	24	28	1	21	21	623

Station Name	24 hour rainfall to 9am on											Total
	January											

	21	22	23	24	25	26	27	28	29	30	(mm)
Haughton											
Mingela AL *	0	0	3	165	27	0	18	0	0	0	213
Upper Reid AL *	0	0	8	161	31	0	0	0	0	0	200
Cameron Hill AL *	0	0	7	194	21	0	14	0	0	0	236
Four Mile AL *	0	0	3	237	56	0	14	0	0	0	310
Mt Piccaninny TM *	0	0	8	197	19	0	10	0	0	11	245
Mt Piccaninny AL *	0	0	8	197	18	0	10	0	0	13	246
Donnington Airpark AL *	0	1	13	161	27	0	0	0	0	0	202
Upper Major Creek AL *	0	6	40	302	42	2	0	0	0	0	392
Major Creek AL *	0	1	13	249	37	1	22	0	0	0	323
Major Creek TM *	0	0	12	226	34	1	18	0	0	0	291
Powerline TM *	0	2	16	184	20	1	12	0	0	0	235
Powerline AL *	0	2	15	172	17	1	12	0	0	0	219
Giru North	-	-	26	246	15	-	-	-	-	-	287
Giru AL *	0	2	28	220	14	0	0	0	2	0	266
Upper Barrattas AL *	0	0	4	202	29	0	3	0	6	1	245
Maximum	0	6	40	302	56	2	22	0	6	13	392

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Ross/Bohle											
Cungulla AL *	3	3	39	142	8	0	0	0	3	0	198
Whites Creek AL *	0	2	37	182	16	1	0	0	0	0	238
Alligator Creek AL *	0	1	31	141	20	0	1	0	0	0	194
Stuart AL *	0	0	40	234	9	0	0	0	0	0	283
Stuart Creek AL *	0	1	34	203	14	0	0	0	0	0	252
Calcium AL *	0	0	15	191	19	0	4	0	0	0	229
Nettlefield AL *	0	0	15	166	21	0	0	0	0	0	202
Woodlands AL *	0	0	32	178	23	1	0	0	0	0	234
Brabons AL *	1	0	20	293	23	0	1	0	0	0	338
Mcdonalds AL *	0	0	11	129	20	1	0	0	0	0	161
Cormacks AL *	1	0	23	150	16	0	0	0	0	0	190
Gleasons Mill AL *	2	1	24	257	18	0	0	0	0	0	302
Ross River Dam AL *	0	0	16	223	20	0	0	0	0	0	259
The Pinnacles AL *	0	0	30	272	14	0	4	0	9	0	329
Black Weir (Riverway) AL *	1	1	39	184	13	0	2	0	0	0	240
Kirwan AL *	2	0	44	179	11	0	1	0	0	0	237
Aplin Weir AL *	1	0	40	200	13	0	3	0	0	0	257
Rooney's Bridge AL *	0	4	58	226	11	0	2	0	0	0	301
Mysterton AL *	0	2	58	205	10	0	2	0	0	0	277
Castle Hill AL *	4	2	73	178	10	0	0	0	0	0	267
Louisa Creek AL *	0	3	63	167	6	0	0	0	0	0	239
Cluden AL *	2	1	45	218	9	0	1	0	0	0	276
North Ward AL *	5	1	80	185	9	0	0	0	0	0	280
Pallarenda AL *	12	3	90	181	11	0	0	0	0	0	297
South Townsville AL *	4	4	67	211	9	0	1	0	0	0	296
Mt Margaret AL *	2	0	34	237	36	0	2	0	0	0	311
Deeraqun AL *	2	1	59	221	16	0	0	0	0	0	299

Little Bohle River AL *	0	0	40	192	13	0	1	0	0	0	246
Bohle River AL *	0	0	23	187	11	0	0	0	0	0	221
Bohle River TM *	2	0	38	191	12	0	0	0	0	0	243
Dalrymple Road AL *	1	1	56	204	15	0	0	0	1	0	278
Mt Bohle AL *	0	2	62	193	8	0	0	0	3	0	268
Yabulu Qld Nickel	5	2	86	220	4	-	-	0	0	0	317
Townsville Airport AL *	4	1	77	169	9	0	0	0	0	0	260
Townsville AWS *	4	2	69	145	11	0	0	0	0	0	230
Nelly Bay AL *	2	2	74	140	6	0	0	0	0	0	224
Picnic Bay AL *	3	8	93	178	9	0	0	0	0	0	291
Maximum	12	8	93	293	36	1	4	0	9	0	338

Station Name	24 hour rainfall to 9am on										Total
	January										
	21	22	23	24	25	26	27	28	29	30	(mm)
Black R/Bluewater Ck											
Upper Black River AL *	4	0	30	279	47	0	0	0	0	0	360
Black River AL *	3	1	72	234	8	0	0	0	0	0	318
Black River TM *	3	1	74	245	8	0	0	0	0	0	331
Upper Bluewater AL *	13	1	48	269	11	0	0	0	0	0	342
Toomulla AL *	7	5	96	183	15	4	0	0	0	0	310
Toolakea AL *	3	1	102	173	7	0	0	0	0	0	286
Bluewater AL *	1	2	94	192	7	0	0	0	0	0	296
Bluewater TM *	0	2	82	182	7	0	0	0	0	0	273
Woolshed AWS *	2	0	26	292	42	0	0	-	-	-	362
Paradise Lagoon AL *	9	8	91	219	13	0	0	0	0	0	340
Rollingstone	10	11	100	232	12	-	-	-	-	-	365
Rollingstone AL *	13	10	96	248	11	0	0	0	0	0	378
Mutarnee Store	3	14	101	226	13	0	-	-	-	-	357
Maximum	13	14	102	292	47	4	0	0	0	0	378

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Herbert											
Herberton AL *	7	10	69	68	17	5	0	0	19	1	196
Herberton	8	-	94	80	19	8	-	-	12	1	222
Silver Valley TM *	7	22	71	85	24	6	0	1	2	0	218
Ravenshoe	-	-	150	86	-	-	-	-	-	-	236
Ravenshoe AL *	25	31	154	88	12	9	0	2	1	0	322
Archers Creek TM *	5	27	69	83	16	7	0	11	0	0	218
Mt Garnet	10	24	60	100	31	13	-	21	3	-	262
Mt Garnet AL *	3	25	55	87	25	10	0	27	1	0	233
Wooroora TM *	11	64	118	97	8	9	0	-	0	0	307
Upper Rudd Creek AL *	4	7	41	83	6	21	1	0	12	0	175
Gunnawarra AL (Rudd Ck) *	4	26	81	94	8	18	0	5	2	0	238
Gleneagle AL *	43	73	67	85	9	6	0	0	14	0	297
Murray Springs AL *	7	100	92	100	5	2	3	0	7	0	316
Yourka AL *	23	96	123	86	10	4	0	0	9	0	351

Kirrama AL *	20	99	137	100	5	0	1	0	0	0	362
Blencoe Falls TM *	12	99	96	98	12	1	6	-	0	0	324
Nash's Crossing AL *	28	170	244	226	8	0	0	0	6	0	682
Zattas AL *	42	157	202	234	5	0	4	0	1	0	645
Gowrie Creek TM *	37	149	203	219	3	0	4	0	0	0	615
Abergowrie TM *	36	152	271	182	9	0	1	0	0	0	651
Abergowrie AL *	28	118	191	167	9	0	1	0	0	0	514
Elphinstone Pkt	38	107	196	199	19	-	10	-	-	-	569
Abergowrie Bridge AL *	31	85	201	174	14	0	7	0	0	0	512
Hawkins Creek	29	161	207	254	15	-	-	-	-	-	666
White Crystal TM *	3	33	78	182	22	-	1	0	0	0	319
Michael Creek AL *	7	15	69	209	19	1	2	-	-	-	322
Running Creek TM *	1	22	73	174	6	-	-	-	-	-	276
Upper Stone	9	34	70	273	6	-	-	-	-	-	391
Peacock Siding AL *	7	38	71	198	3	0	0	0	0	0	317
Trebonne AL *	22	127	128	199	8	0	0	0	0	0	484
Poverty Hill AL *	17	44	75	201	6	0	0	0	0	0	343
Ingham SYN	50	102	131	211	11	0	0	-	-	0	505
Ingham Depot AL *	17	67	93	176	7	0	0	0	3	0	363
Ingham Pump Station TM *	32	105	138	241	8	0	0	0	0	0	524
Ingham Pump Station AL *	31	113	139	262	11	0	0	0	0	0	556
Gairloch	39	97	148	206	9	-	-	-	-	-	499
Gairloch AL *	42	86	123	193	21	0	0	0	0	0	465
Cardwell Range	43	106	214	219	17	-	-	-	-	-	599
Cardwell Gap AL *	46	110	217	233	14	0	0	0	0	0	620
Halifax	51	80	148	154	18	-	-	-	-	-	451
Halifax AL *	54	86	153	158	16	0	0	0	0	0	467
Allingham Forrest Drive	38	94	98	207	15	-	-	-	-	-	452
Bambaroo	45	15	87	172	9	-	-	0	0	0	328
Victoria Sugar Mill	61 in 3	85	131	185	9 in 5					-	471
Lucinda Po	24	78	163	135	7	-	-	-	-	-	407
Maximum	54	170	271	273	31	21	10	27	19	1	682

Station Name	24 hour rainfall to 9am on											Total
	January											
	21	22	23	24	25	26	27	28	29	30	(mm)	
Tully/Murray												
Maalan Road AL *	29	62	222	140	12	15	0	0	0	0	480	
Tully Weir AL *	13	137	183	92	9	2	1	3	0	-	440	
Koombooloomba AL *	12	147	232	86	6	2	0	0	1	0	486	
Kareeya	34 in 3	136	254 in 2	7.4	3 in 4					-	434	
Bolinda Estate AL *	51	252	296	108	1	0	0	0	7	0	715	
Davidson Creek AL *	35	277	213	66	0	0	0	0	0	0	591	
Tully AL *	82	251	265	73	9	0	6	0	0	0	686	
Tully Sugar Mill	78	246	280	78	9	1	-	0	0	0	692	
Banyan Creek TM *	88	263	258	84	8	0	6	0	0	0	707	
Bulgun Creek AL *	125	282	373	133	5	1	16	0	0	0	935	
Bingil Bay	77	172	226	67	3	1.4		0	0	0	546	
South Mission Beach AL *	96	227	230	81	6	0	0	-	1.2	-	641	
Euramo AL *	93	223	249	70	13	0	3	0	0	0	651	

Euramo TM *	87	213	235	67	12	0	1	2	1	0	618
Upper Murray AL *	32	155	165	81	1	0	0	-	0	0	434
Upper Murray TM *	30	145	145	71	1	0	0	0	0	0	392
Russell-Henry Rd TM *	68	156	200	76	11	1	0	0	0	0	512
Murray Flats AL *	108	173	216	74	18	0	2	4	0	0	595
Kennedy Valley TM *	26	212	7	132	2	0	0	0	8	0	387
Bilyana AL *	54	218	233	92	2	1	0	0	8	0	608
Cardwell SYN	22	197	144	139	2.6	0	33	0	0	0	538
Maximum	125	282	373	140	18	15	33	4	8	0	935

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Johnstone											
Malanda AL *	23	26	108	67	2	5	0	0	11	0	242
Glen ALlyn TM *	32	30	191	65	4	4	0	0	11	0	337
Mckell Road AL *	17	31	143	89	8	8	0	1	3	0	300
Topaz AL *	45	35	223	52	3	1	0	0	0	0	359
Bartle View AL *	22	49	250	75	1	3	0	0	0	0	400
Greenhaven	28	52	236	125	10	12	-	1	0.6	-	465
Greenhaven AL *	27	48	220	116	9	11	0	1	0	0	432
Millaa Millaa AL *	30	52	192	61	3	2	0	0	0	0	340
Crawfords Lookout AL *	65	121	172	87	1	1	0	0	2	0	449
Fisher Ck TM *	128	162	128	45	0	2	0	-	15	0	480
Rankin Creek TM *	79	100	180	65	1	3	0	0	1	0	429
Nerada AL *	66	75	204	82	0	2	0	0	1	0	430
Tung Oil TM *	138	181	161	73	0	2	0	-	1	0	556
Tung Oil AL *	136	178	168	71	0	2	0	0	1	0	556
Mcavoy Bridge AL *	85	140	160	56	2	2	0	0	0	0	445
Daradgee	67	143	175	25	2.2	4	0	0	0	-	416
Saltwater Creek AL *	69	145	143	49	2	1	0	0	0	0	409
Sutties Creek AL *	26	110	203	82	5	3	0	0	0	0	429
Menavale AL *	31	292	178	85	1	0	0	0	1	0	588
Corsis AL *	101	189	210	67	1	1	0	0	5	0	574
Central Mill TM *	109	275	152	64	1	0	0	0	0	0	601
Central Mill AL *	113	287	172	64	0	0	0	0	0	0	636
Mourilyan Mill AL *	86	239	197	45	1	0	0	0	0	0	568
Mourilyan Bore TM *	82	213	185	42	1	0	0	0	0	0	523
South Johnstone AWS *	99	288	173	58	1	0.4	0	0	0.2	0	620
Sweeney Creek U/S AL *	67	153	140	52	1	1	0	0	0	0	414
Marco Street AL *	118	204	152	64	1	1	0	0	0	0	540
Innisfail SYN	58	148	135	51	1.8	2	0	0	0	0	396
Innisfail Wharf AL *	62	153	127	40	0	2	0	0	0	0	384
Japoonvale TM *	50	297	230	91	2	0	0	-	-	0	670
Lower Liverpool TM *	60	332	166	65	4	0	0	0	0	0	627
Maximum	138	332	250	125	10	12	0	1	15	0	670

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	

Mulgrave/Russell											
Goldsborough Valley AL *	37	30	186	103	4	10	0	2	5	0	377
The Fisheries TM *	42	19	137	84	4	2	1	-	9	0	298
The Fisheries AL *	43	20	156	85	4	3	2	0	10	0	323
Gillies Lookout AL *	34	19	181	86	8	9	3	3	19	0	362
Peets Bridge TM *	34	15	149	85	4	1	2	-	23	0	313
Peets Bridge AL *	35	15	175	86	4	5	2	11	25	0	358
Gordonvale AL *	30	8	150	44	4	8	1	4	20	0	269
Simmonds Creek TM *	16	5	139	28	4	1	0	-	26	0	219
Hills Creek TM *	13	6	162	27	17	-	-	-	-	-	225
Mt Sophia	13	18	181	85	5	5	-	-	64	-	371
Bucklands TM *	46	45	116	34	3	6	0	-	-	0	250
Babinda	183 in 3	26	146	73	-	-	-	-	-	-	428
Clyde Rd AL *	71	39	133	61	2	4	0	6	0	0	316
Maximum	71	45	186	103	17	10	3	11	64	0	428

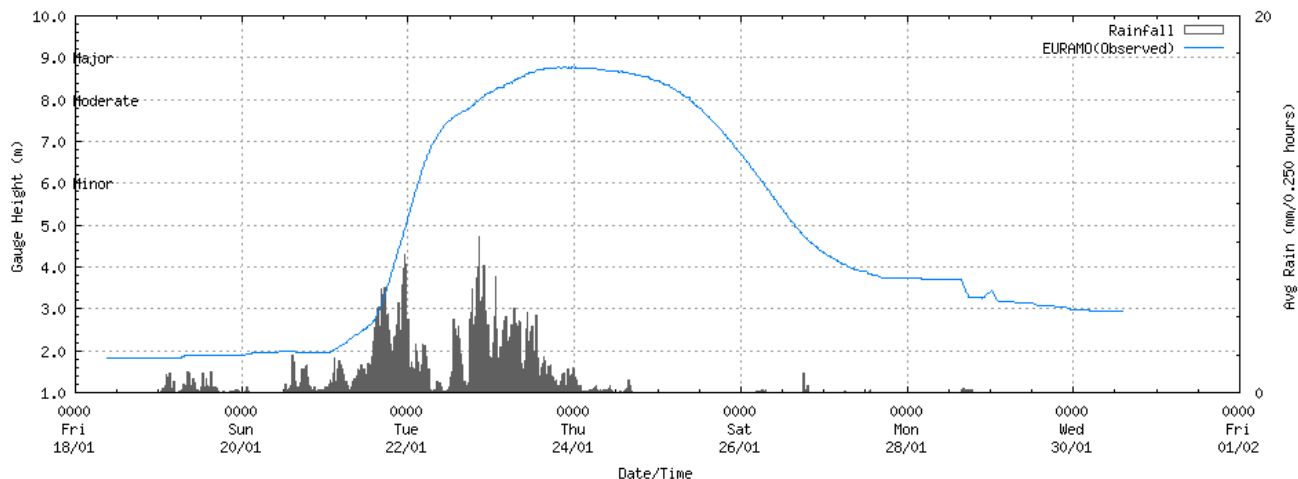
Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Barron											
Leslie Ck TM *	10	20	120	63	4	18	1	0	12	0	248
Atherton Solar Crescent	13	16	125	110	20	20	-	-	15	-	319
Boar Pocket AL *	23	23	206	125	8	7	1	3	18	0	414
Bones Knob AL *	8	14	94	109	27	20	2	0	6	0	280
Tinaroo Dam AL *	7	12	68	54	14	20	8	0	4	1	188
Walkamin DPI	72 in 3	8	73	-	-	46 in 4				0	81
Mareeba Ap AWS *	15	7	89	77	16	5	1	0	4	0	214
Mareeba TM *	32	5	87	59	27	0	0	0	1	0	211
Mareeba AL *	31	5	86	57	25	0	0	0	1	0	205
Emerald Crest AL *	21	11	93	68	18	1	0	0	3	0	215
Bilwon AL *	20	43	112	36	52	0	1	0	2	0	266
Bolton Road AL *	9	7	86	38	33	0	0	0	5	0	178
Mona Mona AL *	34	21	177	50	47	3	0	0	38	0	370
Flaggy Creek AL *	26	31	174	55	51	0	0	2	14	0	353
Myola AL *	25	31	229	61	45	0	2	0	11	0	404
Kuranda Railway Station	-	-	235	-	-	-	-	-	-	-	235
Kamerunga Br AL *	15	19	208	91	32	2	0	0	7	0	374
Saddle Mountain AL *	21	18	182	26	28	0	1	1	14	0	291
Copperlode Dam AL *	9	8	248	123	14	1	0	0	6	4	413
Brinsmead AL *	10	13	146	37	25	0	0	0	5	0	236
Cairns Ap AWS *	8	12	112	24	27	3	0	3	8	2	200
Cairns Airport AL *	10	16	117	22	27	6	0	1	7	1	207
Tamarind Gdns	30	27	166	57	6	2	-	-	6	-	295
Mossman South	139	79	158	14	11	1	-	-	10	-	412
Port Douglas Warner St	-	89	95	20	12	-	-	6	13	-	235
Reef Park	88	69	138	31	27 in 3			-	-	-	353
Black Mt TM *	18	12	183	46	17	-	-	-	5	-	281
Maximum	139	89	248	125	52	20	8	6	38	4	414

Station Name	24 hour rainfall to 9am on										Total (mm)
	January										
	21	22	23	24	25	26	27	28	29	30	
Daintree/Endeavour											
O'Donoghue Rd TM *	198	44	155	10	9	2	0	0	10	0	428
Whyanbeel Ck TM *	126	48	217	28	8	3	0	3	17	0	450
Bairds TM *	44	73	126	22	16	0	9	2	1	0	293
Daintree Village	45	60	113	21	12	13	-	-	11	-	275
Daintree Tea	76	60	126	13	-	-	-	-	-	-	275
China Camp TM *	53	102	132	11	58	3	0	0	3	0	362
Hazelmere	112	90	70	21	50	7	-	-	-	-	350
Flaggy TM *	74	9	1	1	1	0	1	0	0	0	87
Beesbike TM *	66	91	71	27	33	0	0	-	0	0	288
Cooktown Ap AWS *	58	108	60	6.2	28	3	0	0	-	0	263
Maximum	198	108	217	28	58	13	9	3	17	0	450

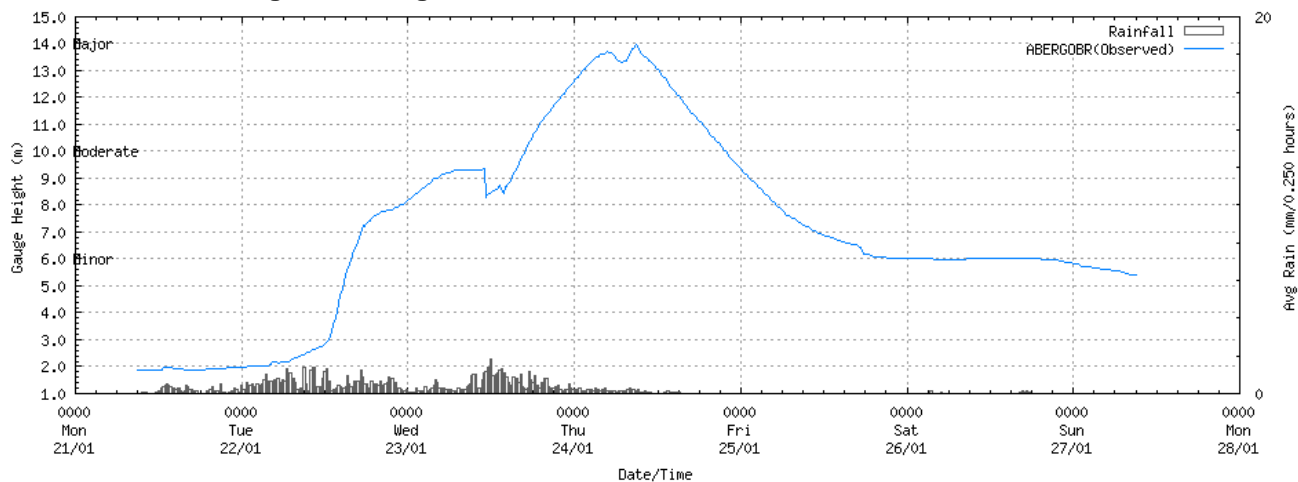
Appendix 3. Hydrographs

Shown below are selected hydrographs from key stations recorded during the Ex-Tropical Cyclone Oswald event.

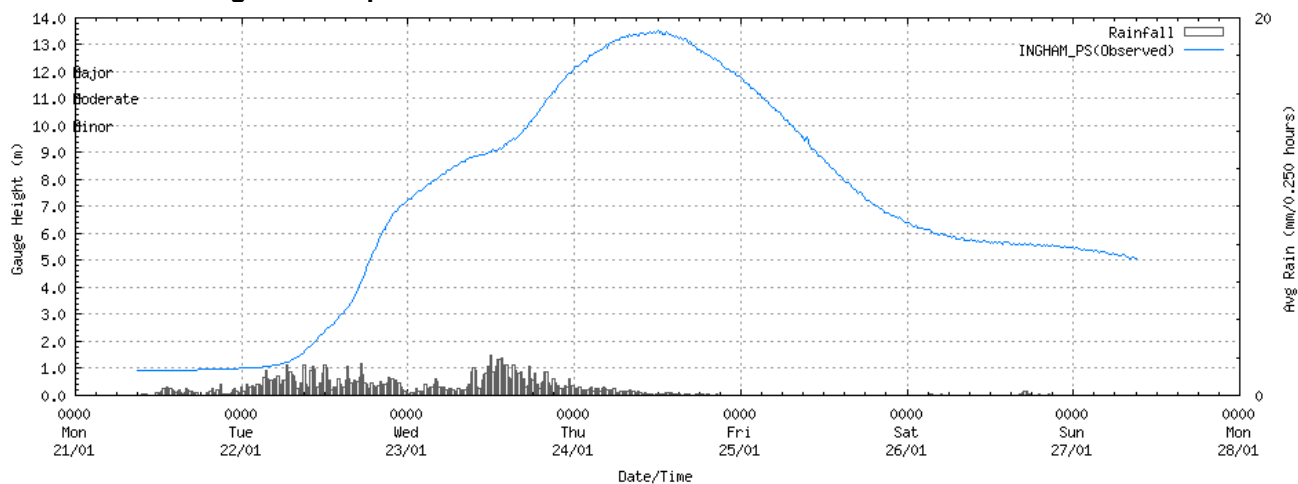
Tully River at Euramo Alert



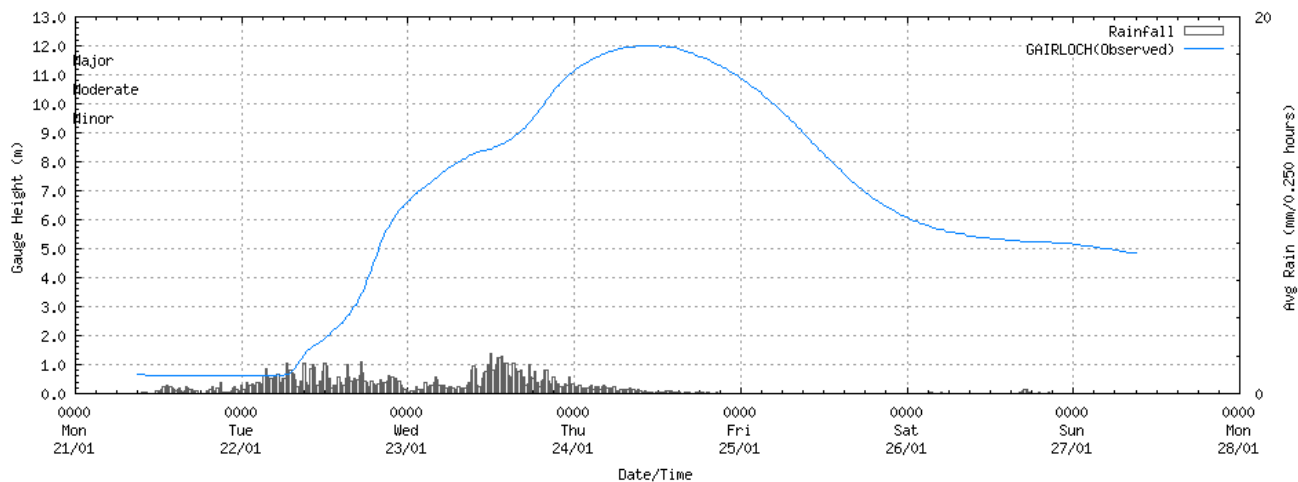
Herbert River at Abergowrie Bridge Alert



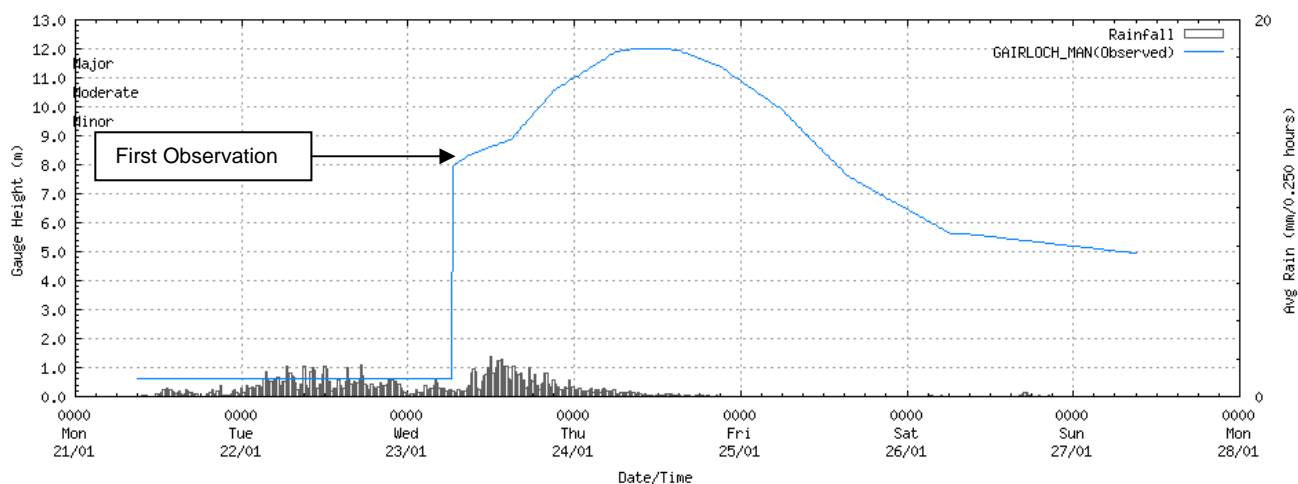
Herbert River at Ingham Pump Station Alert



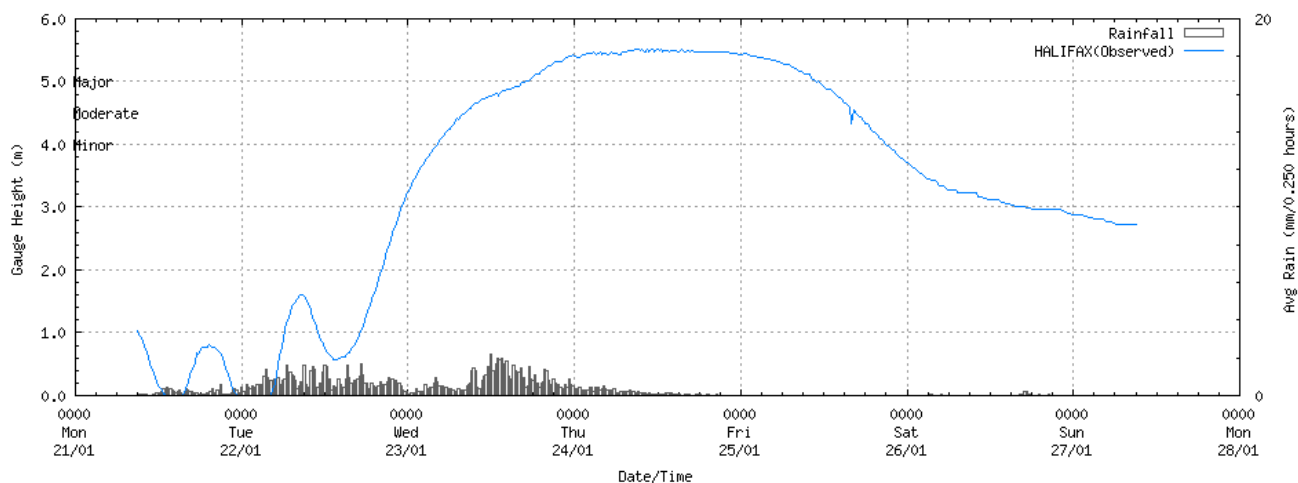
Herbert River at Gairloch Alert



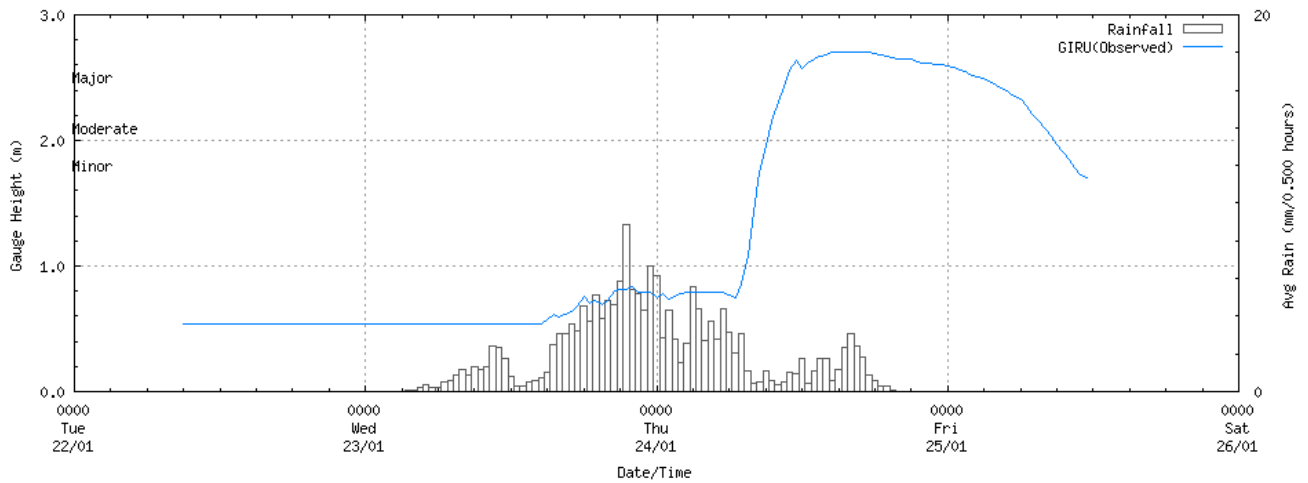
Herbert River at Gairloch Manual



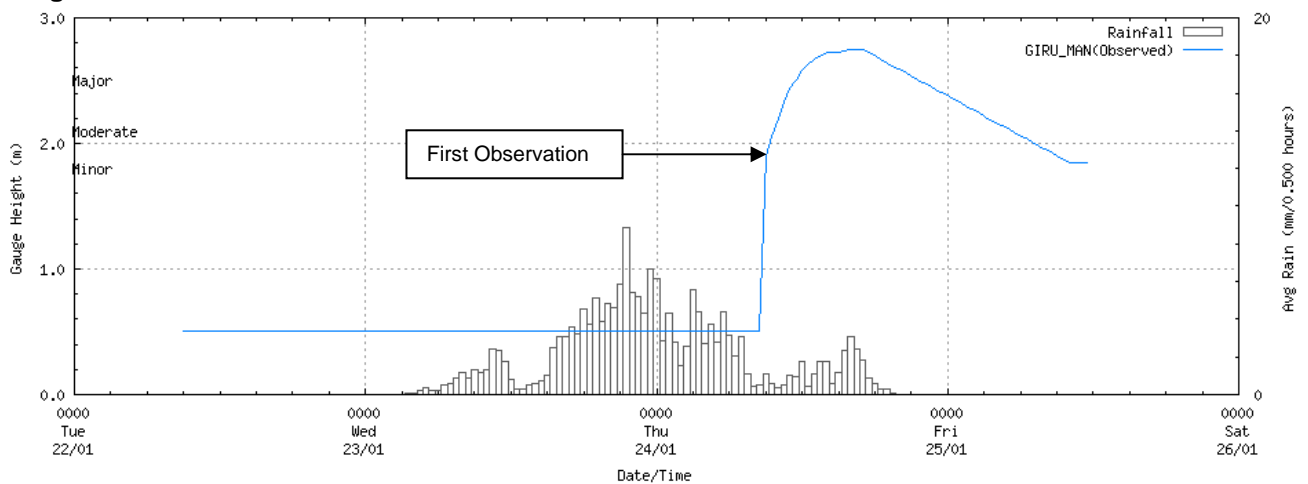
Herbert River at Halifax Alert



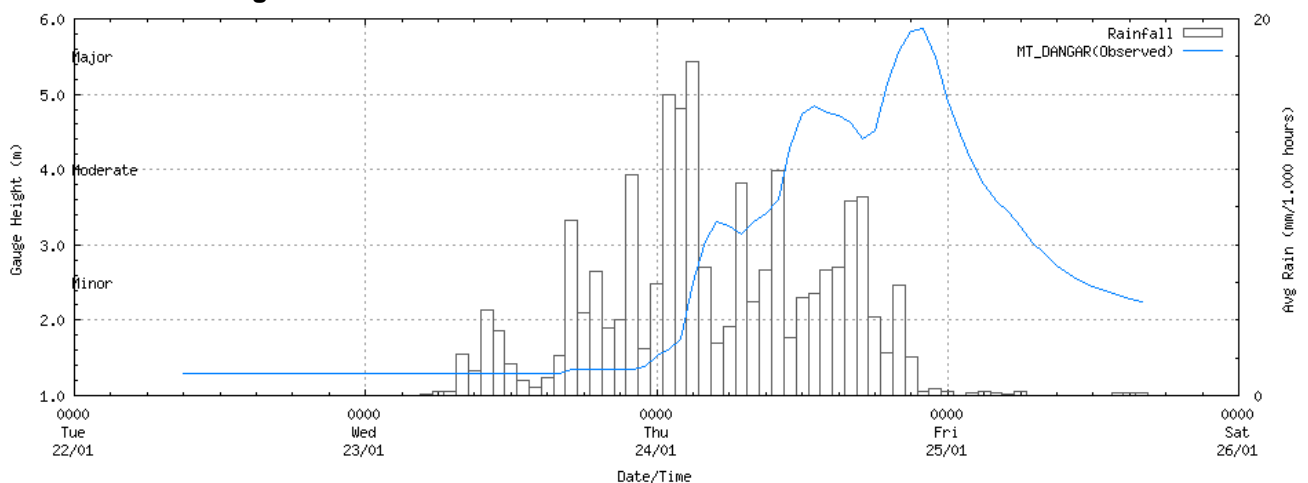
Haughton River at Giru Alert



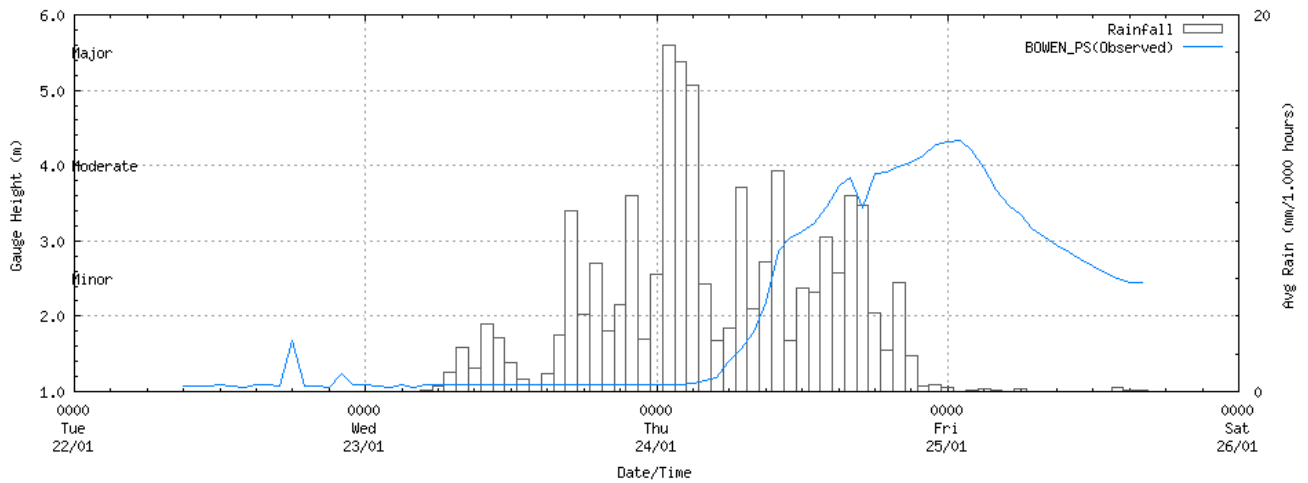
Haughton River at Giru Manual



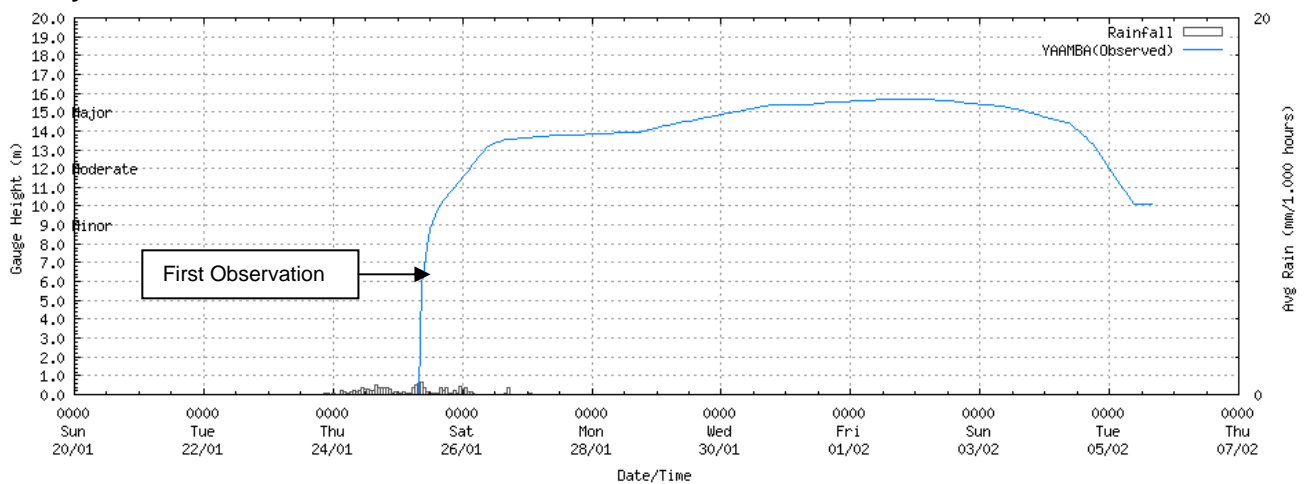
Don River at Mt Dangar Alert



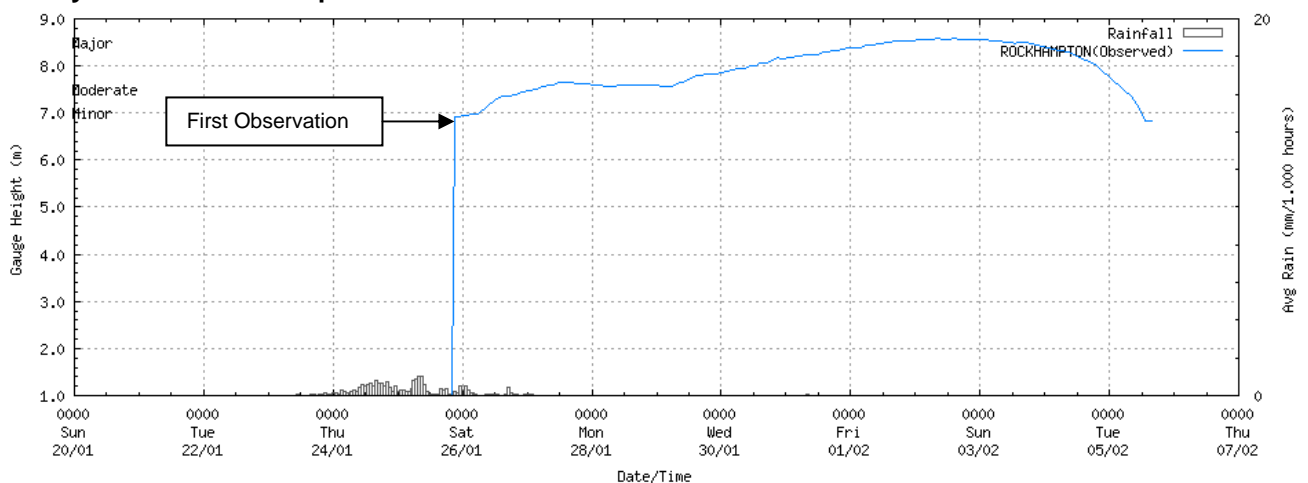
Don River at Bowen Pump Station Alert



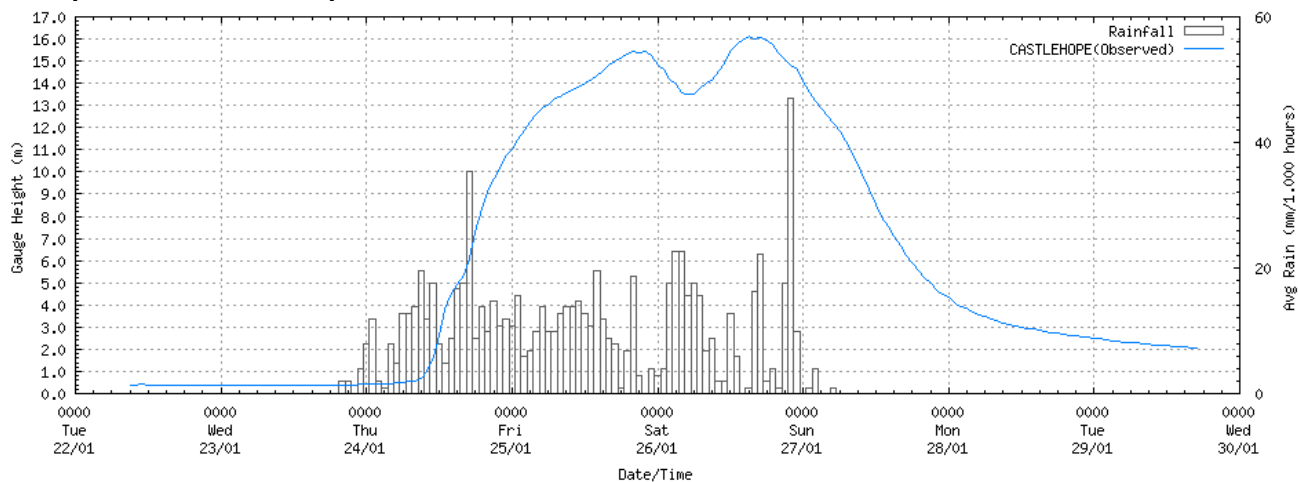
Fitzroy River at Yaamba Manual



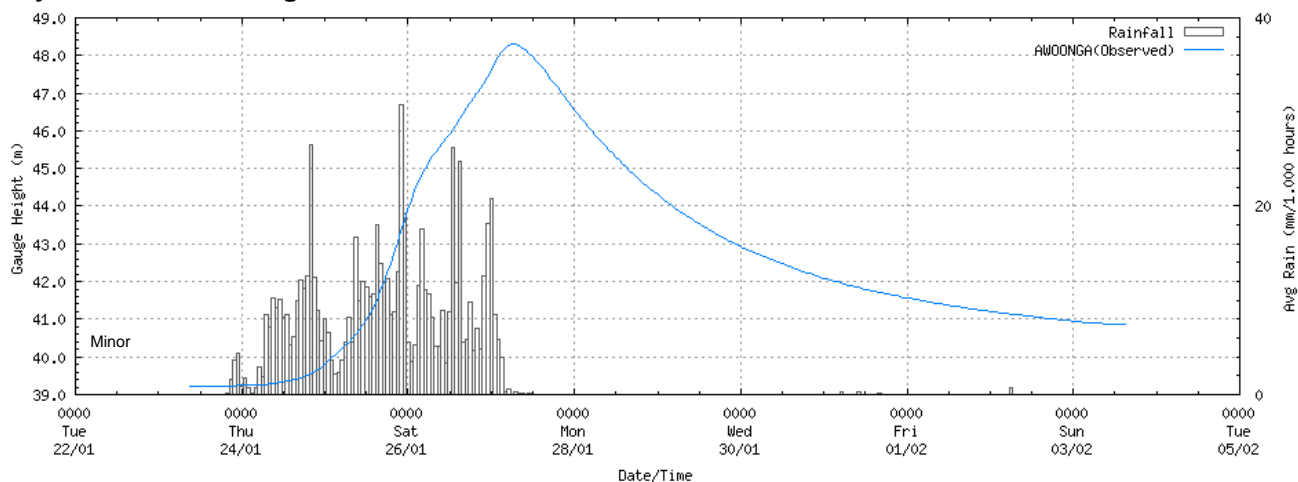
Fitzroy River at Rockhampton Manual



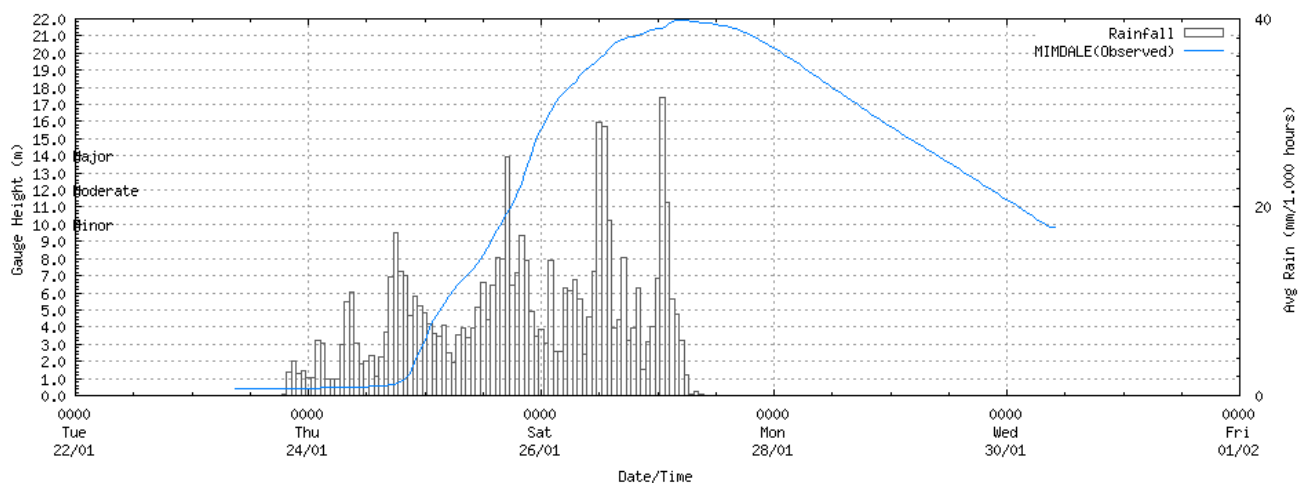
Calliope River at Castlehope TM



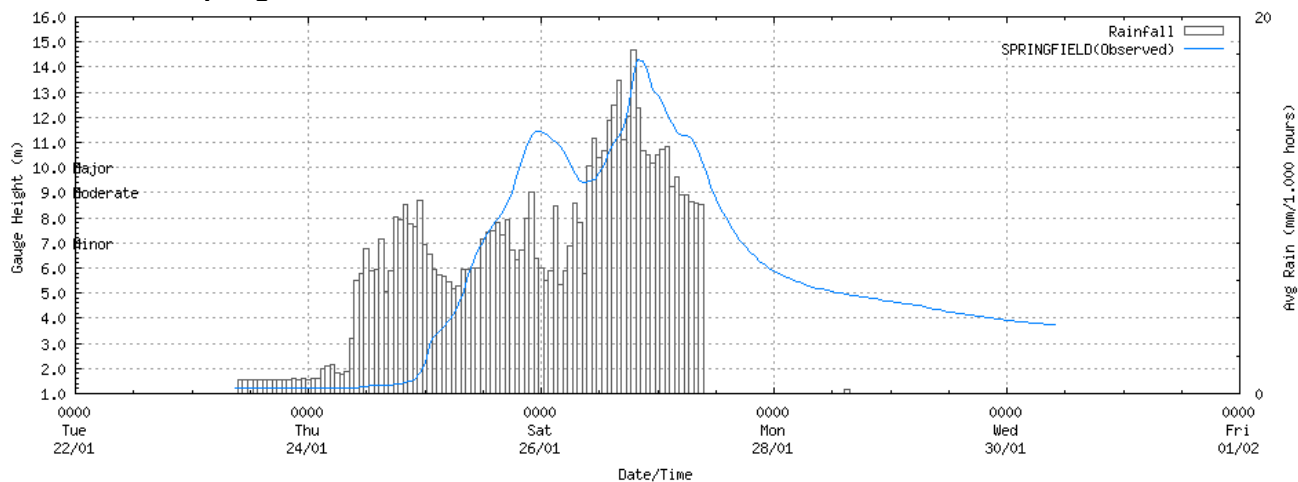
Boyne River at Awoonga Dam Hw TM



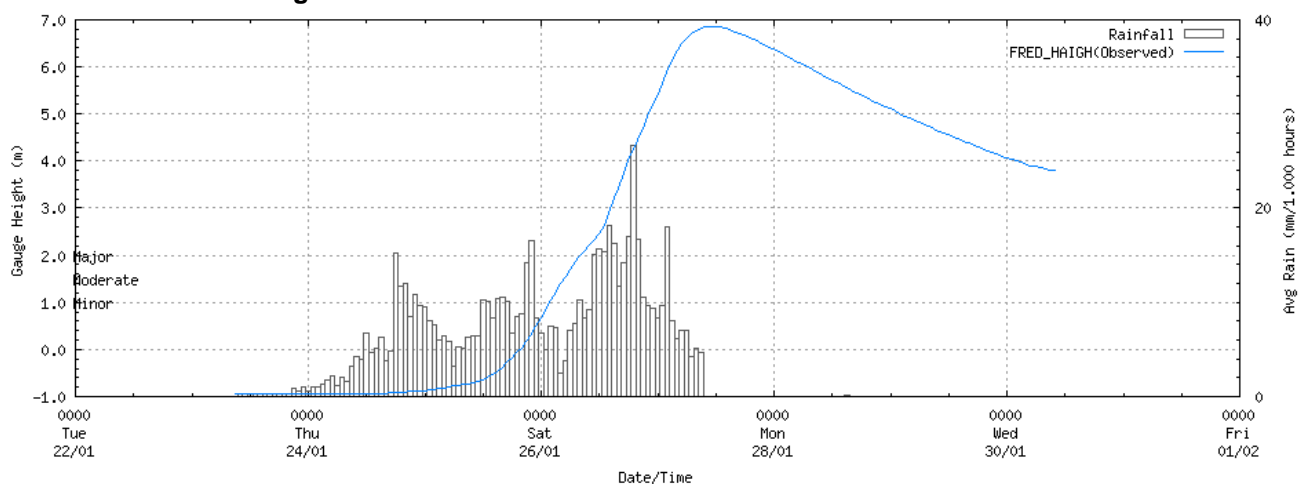
Baffle Creek at Mimdale TM



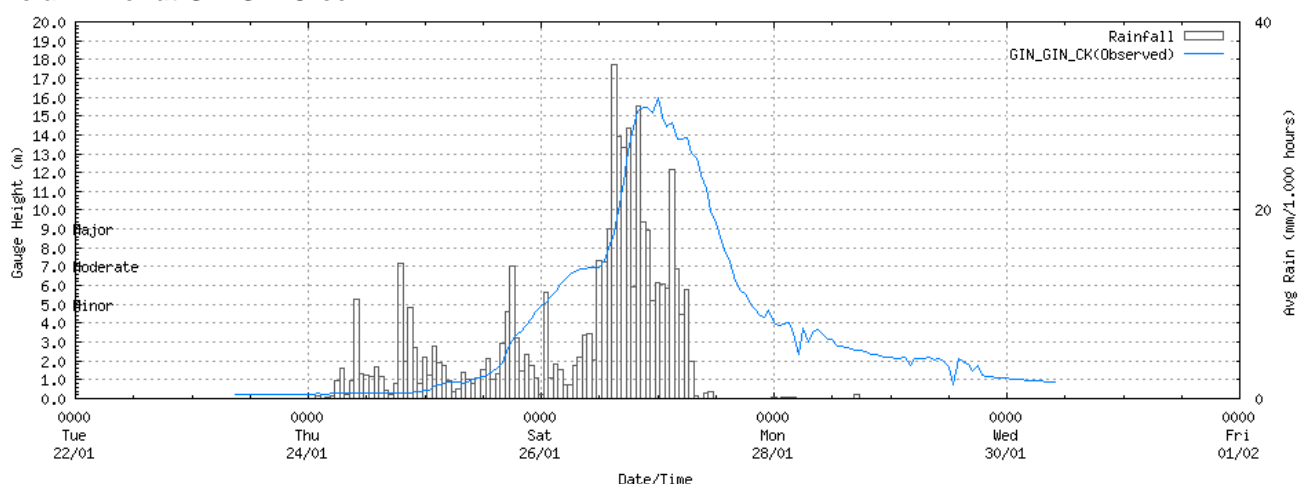
Kolan River at Springfield TM



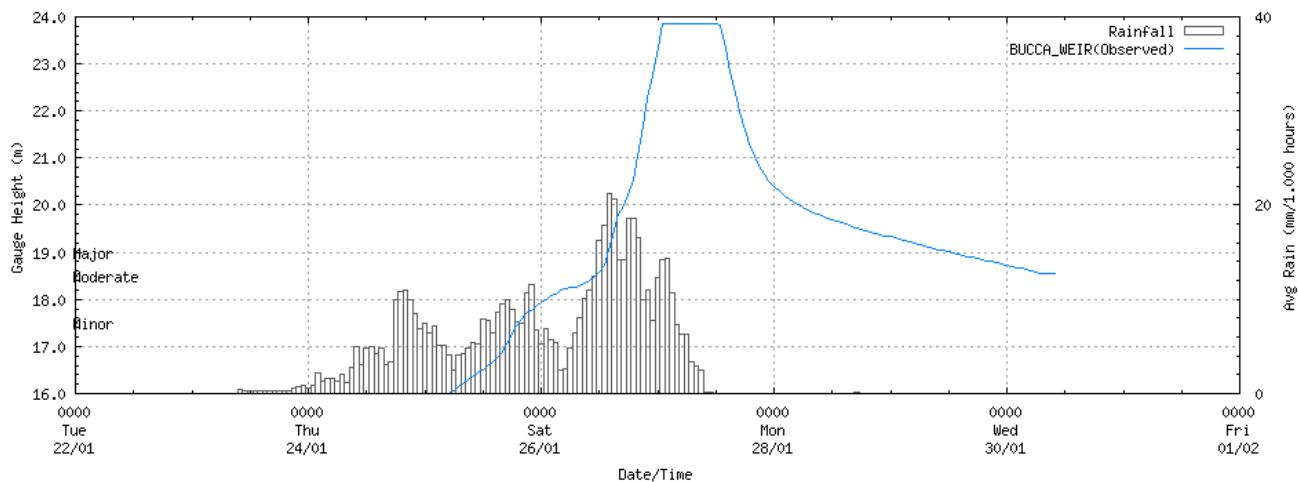
Kolan River at Fred Haigh Dam TM



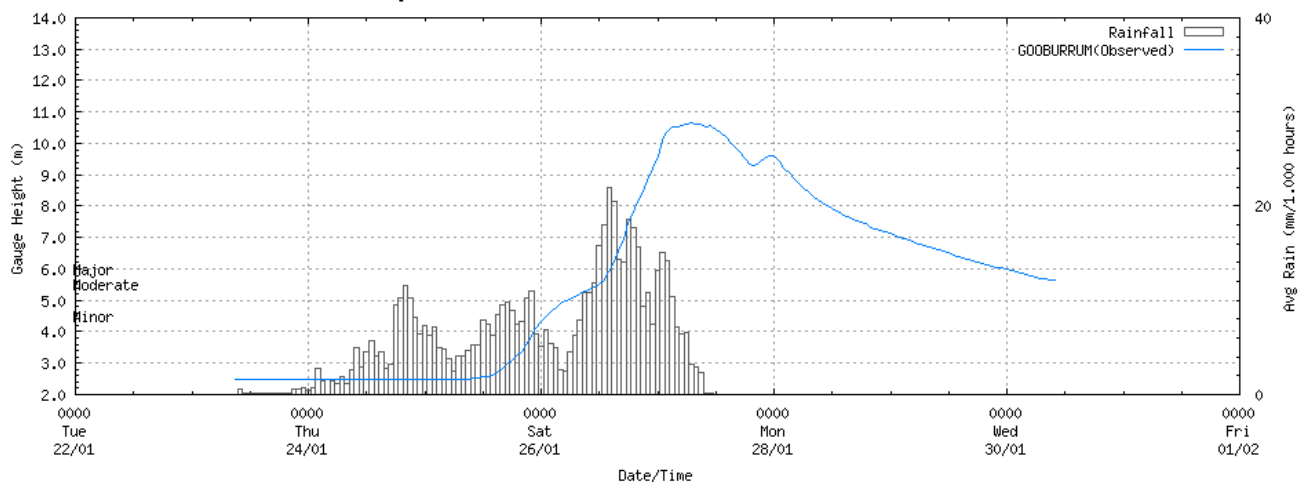
Kolan River at Gin Gin Creek TM



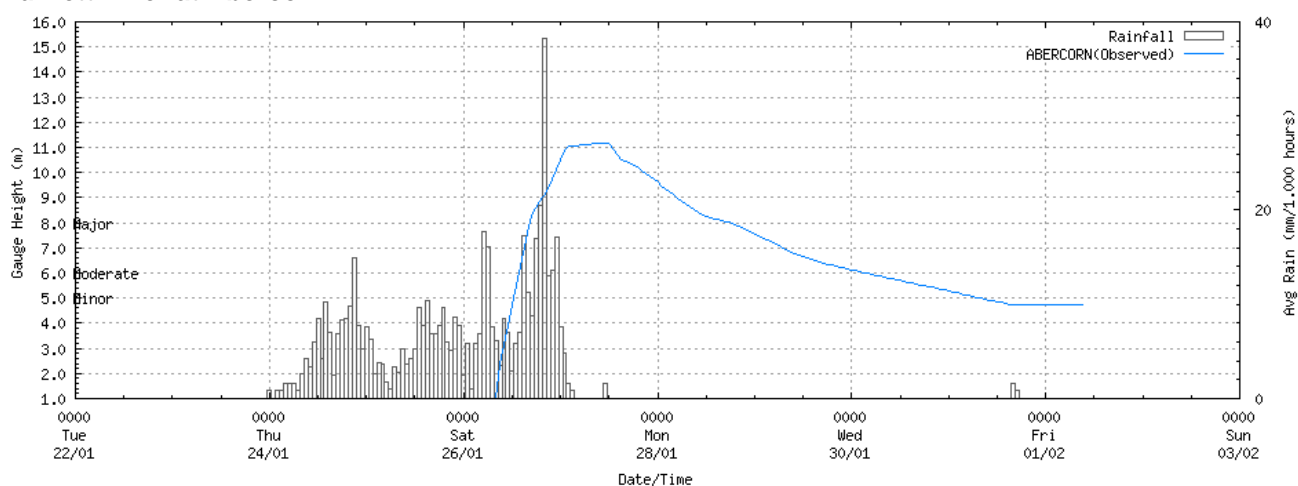
Kolan River at Bucca Weir Hw TM



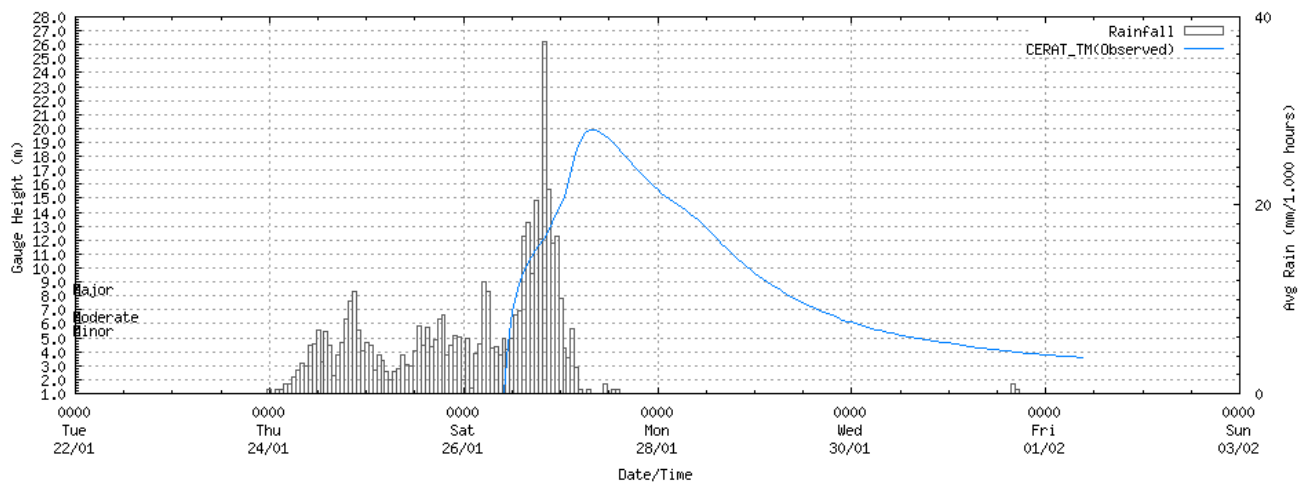
Kolan River at Gooburrum Pump Station TM



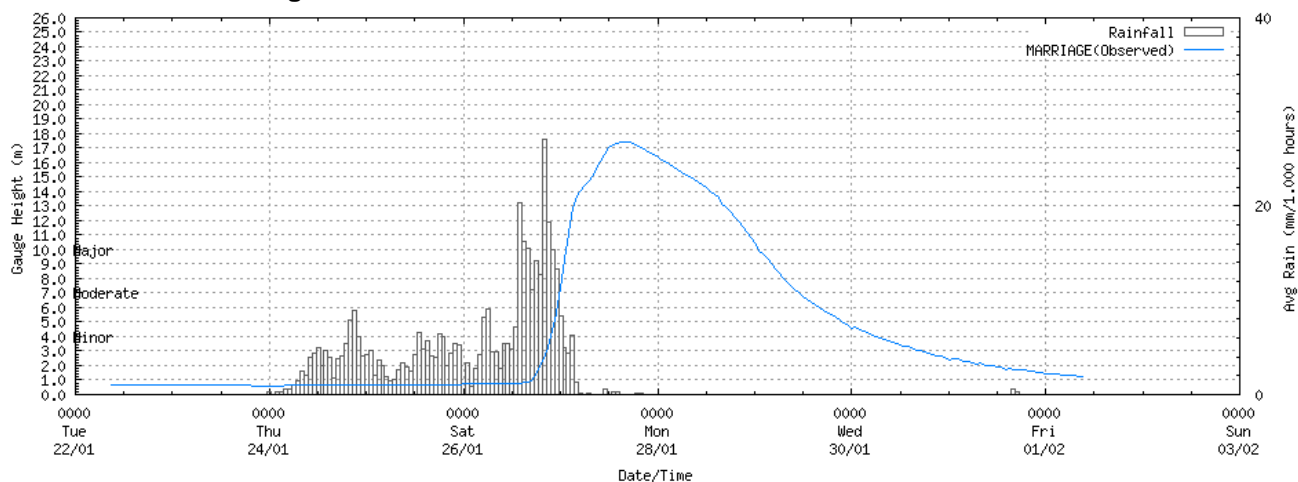
Burnett River at Abercorn TM



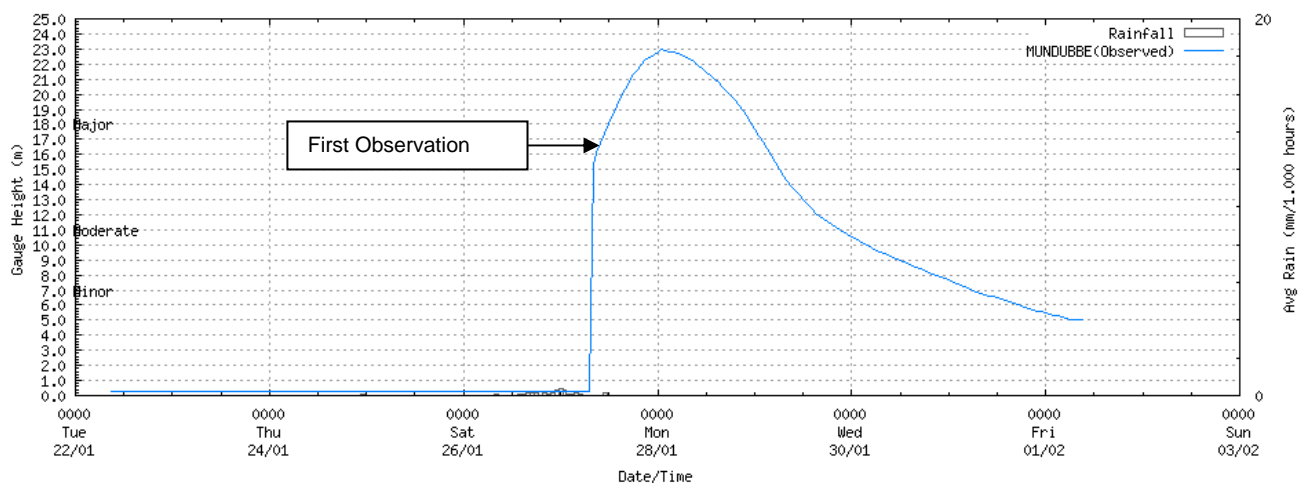
Burnett River at Ceratodus TM



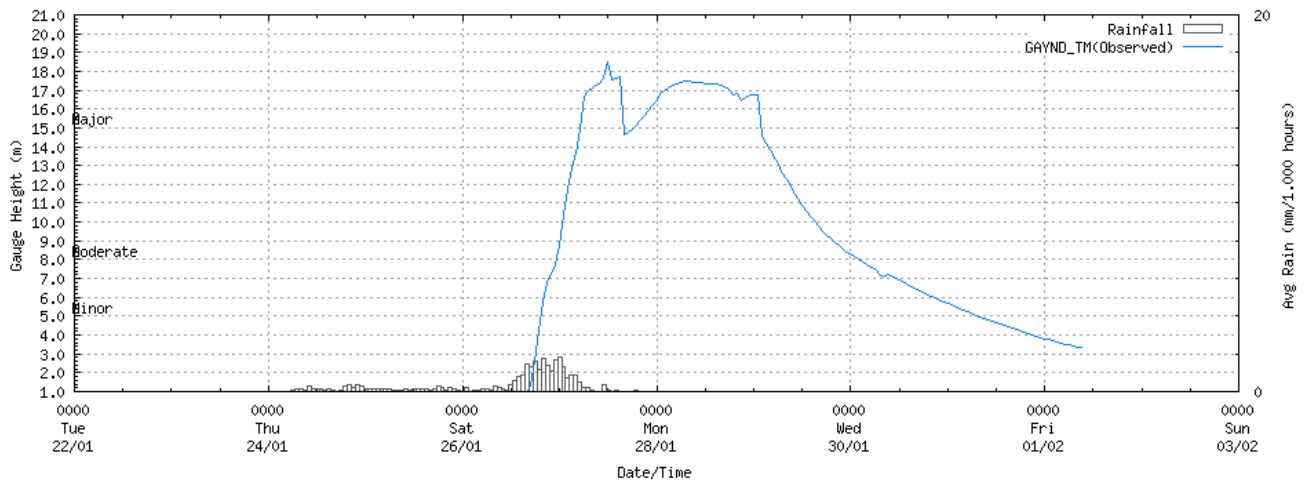
Burnett River at Marriages TM



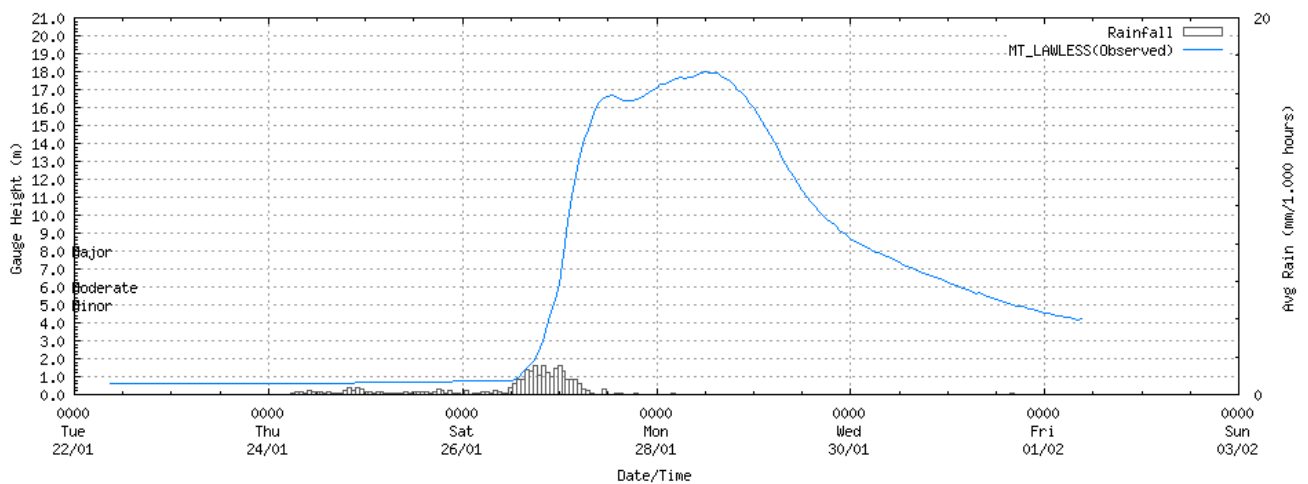
Burnett River at Mundubbera Manual



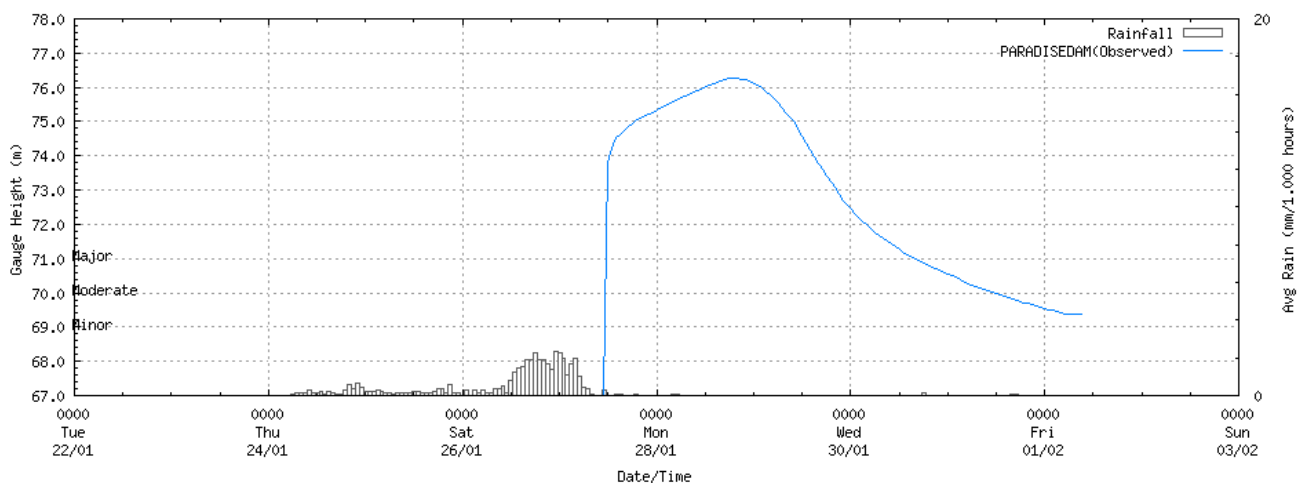
Burnett River at Gayndah Flume TM



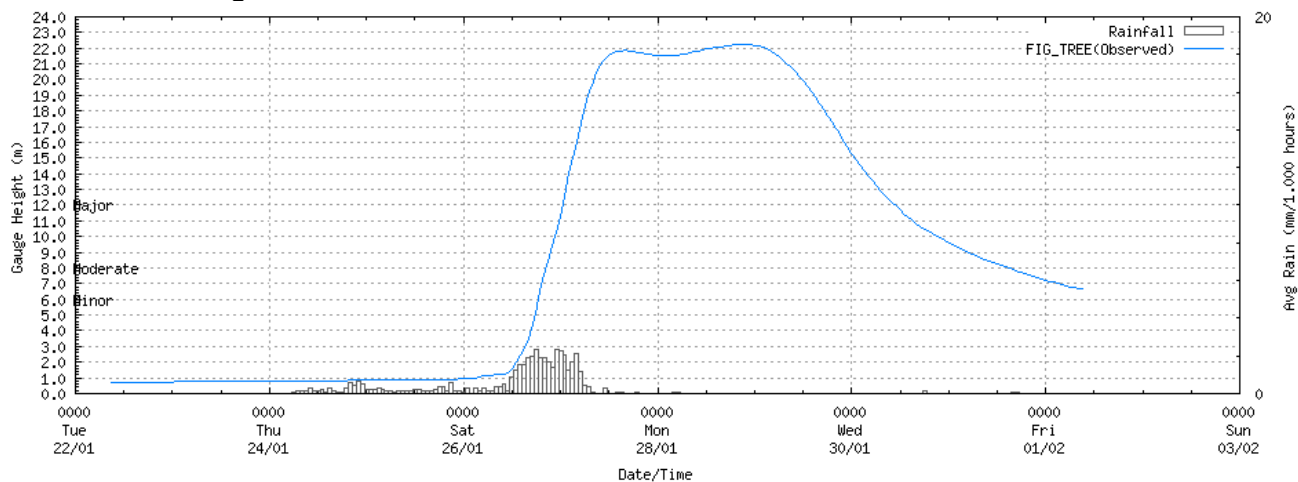
Burnett River at Mt Lawless TM



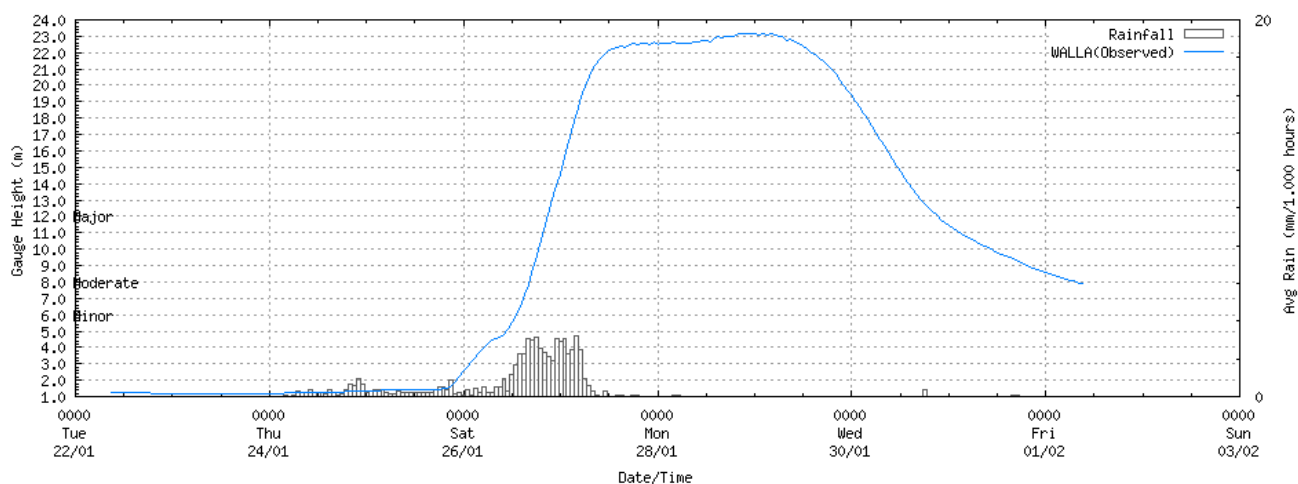
Burnett River at Paradise Dam TM and Manual



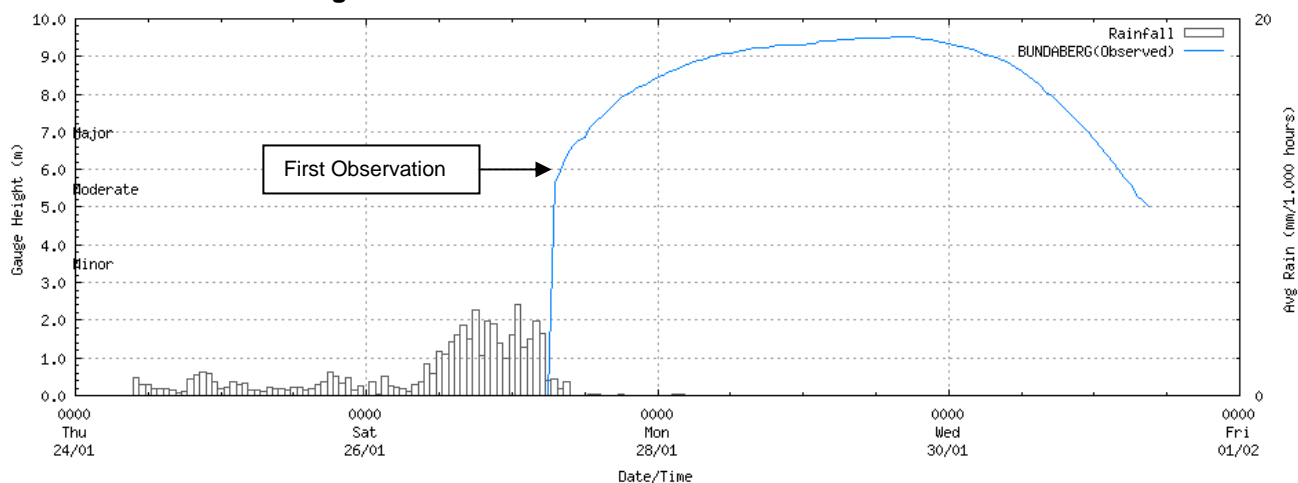
Burnett River at Fig Tree TM



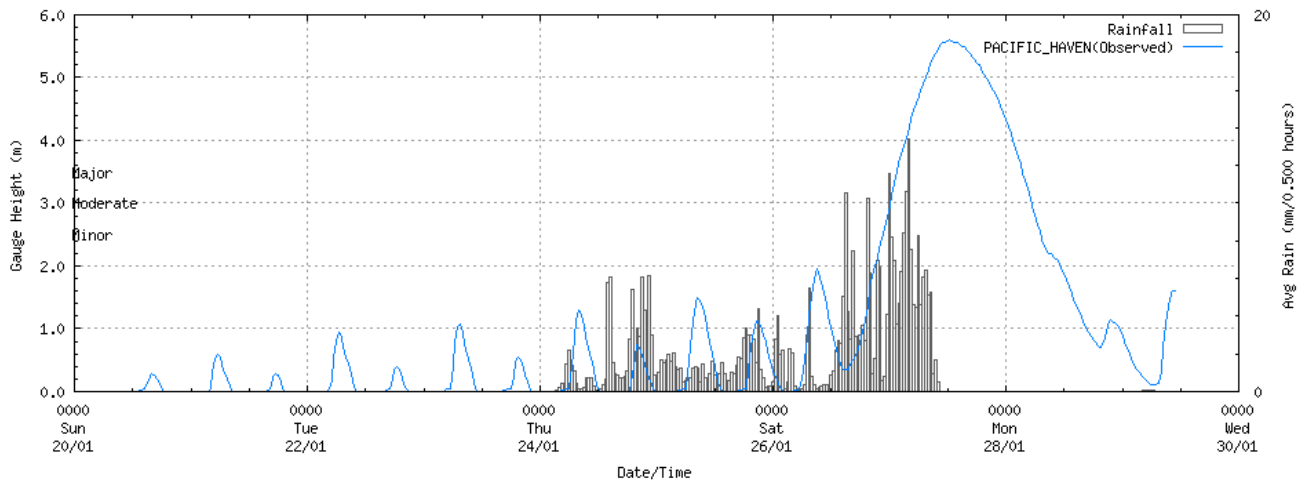
Burnett River at Walla TM



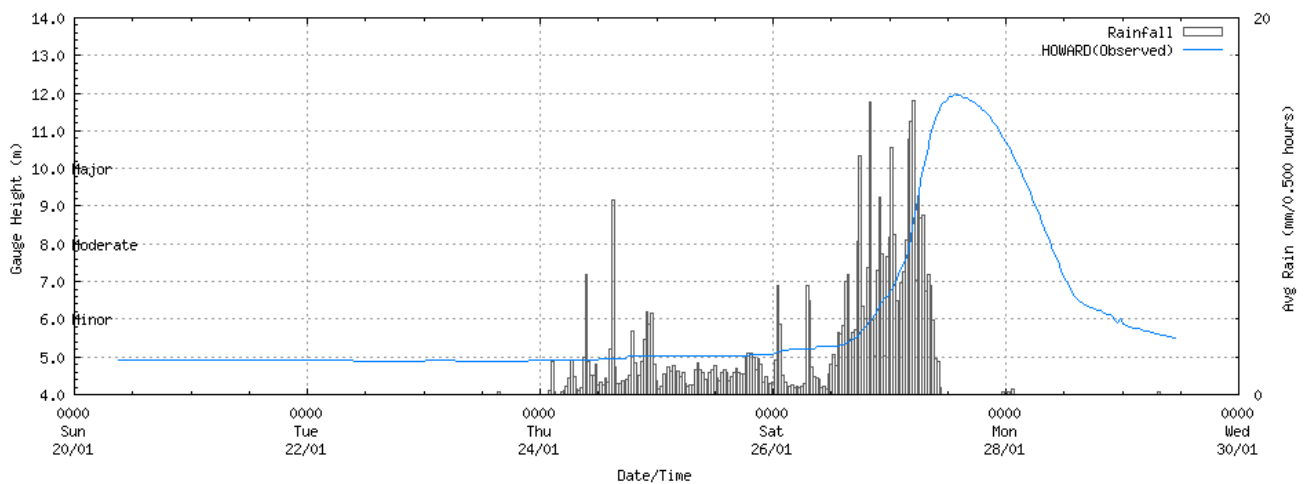
Burnett River at Bundaberg Manual



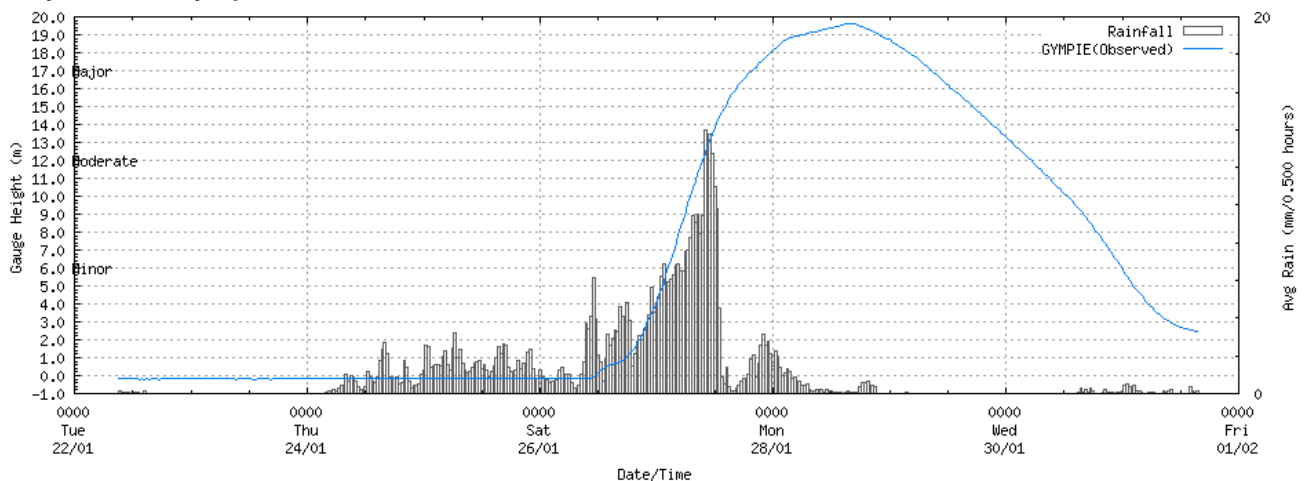
Cherwell River at Pacific Haven AL



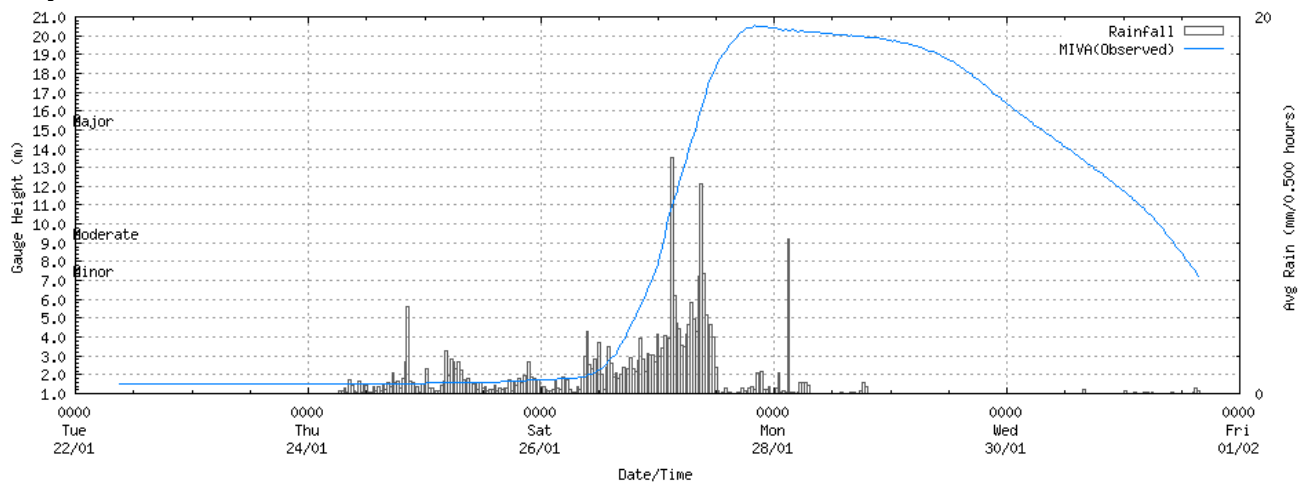
Burrum River at Howard AL



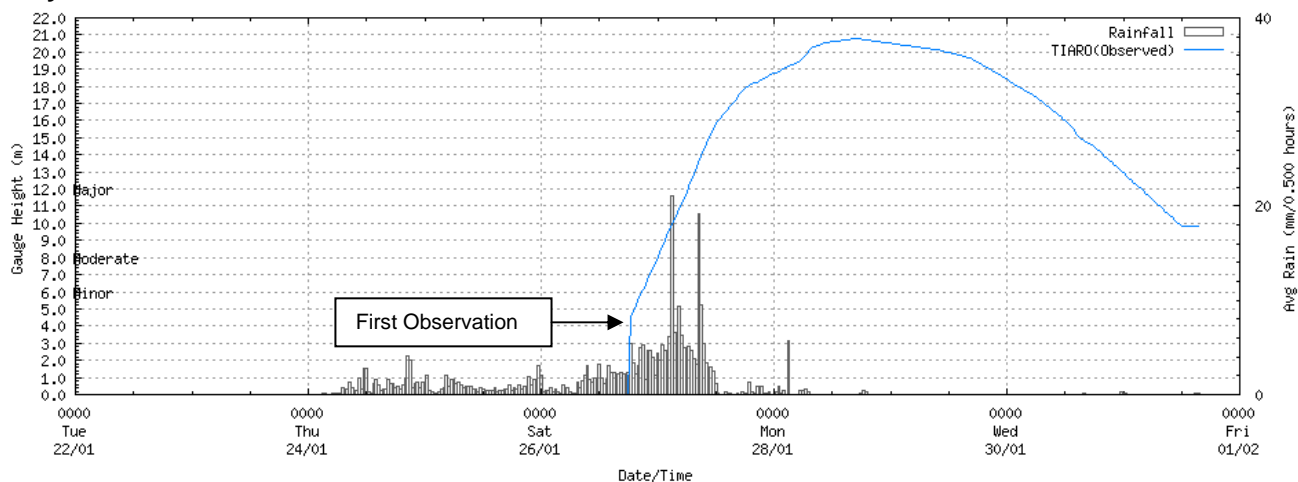
Mary River at Gympie AL



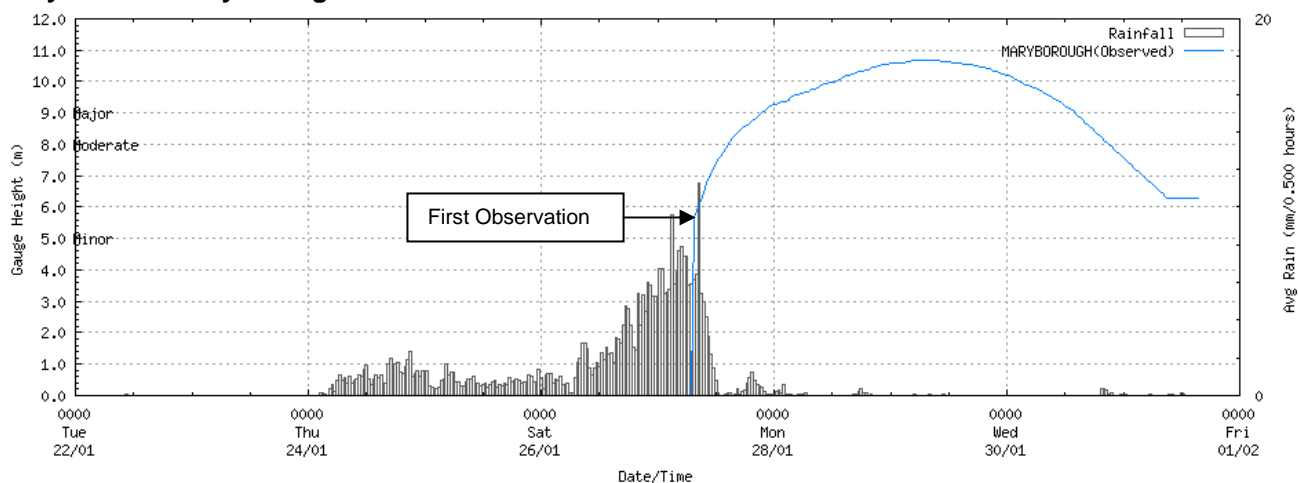
Mary River at Miva TM



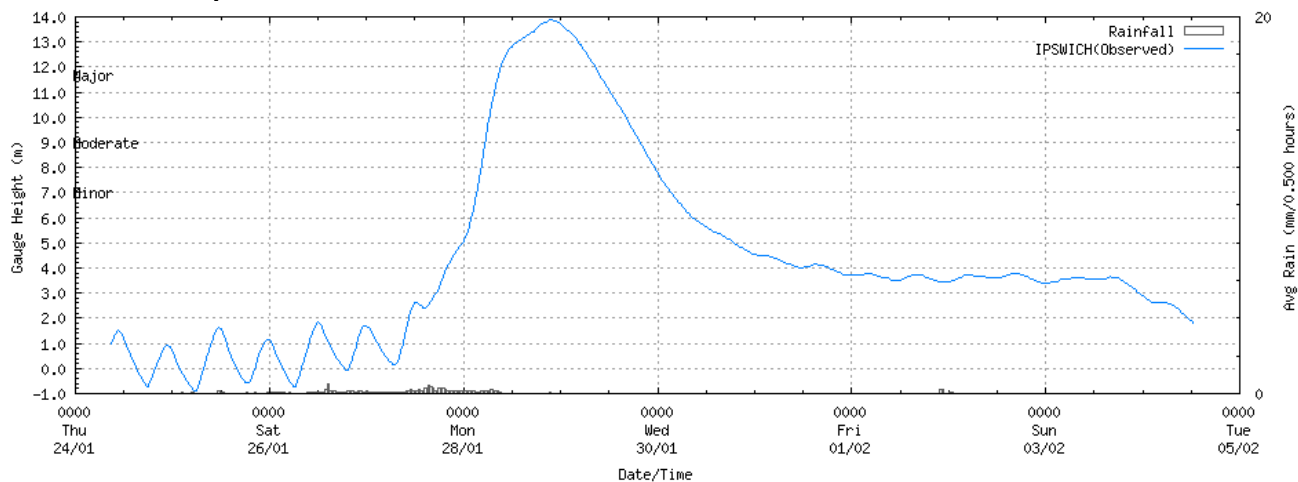
Mary River at Tiaro Manual



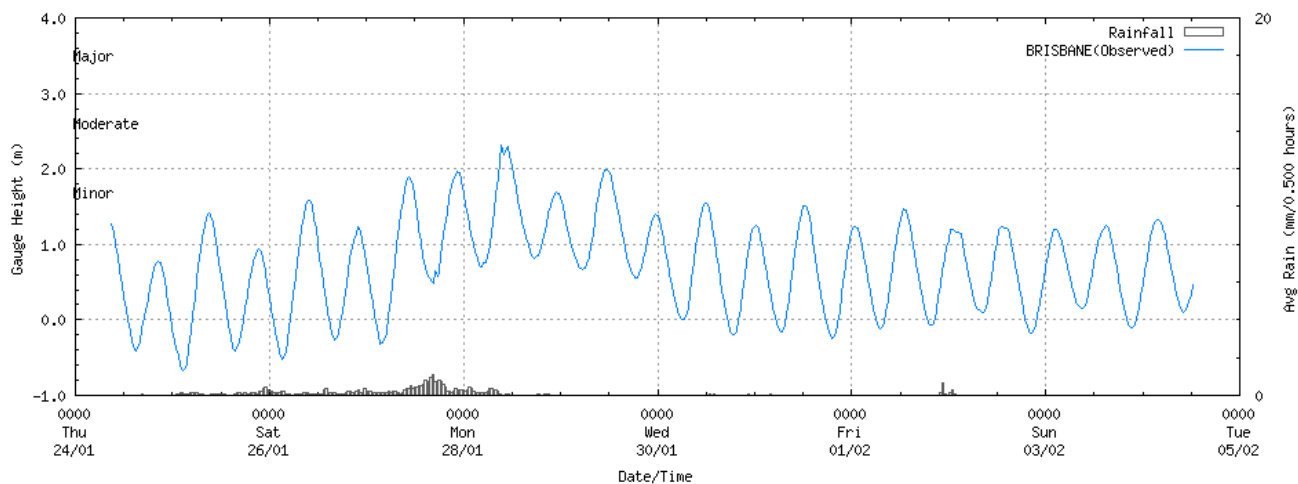
Mary River at Maryborough Manual



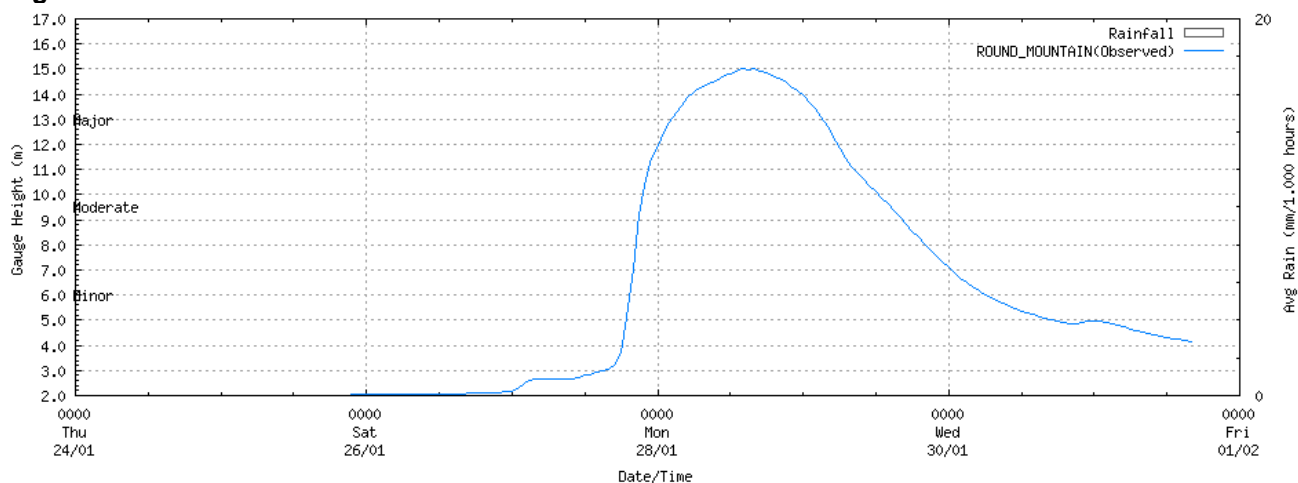
Bremer River at Ipswich AL



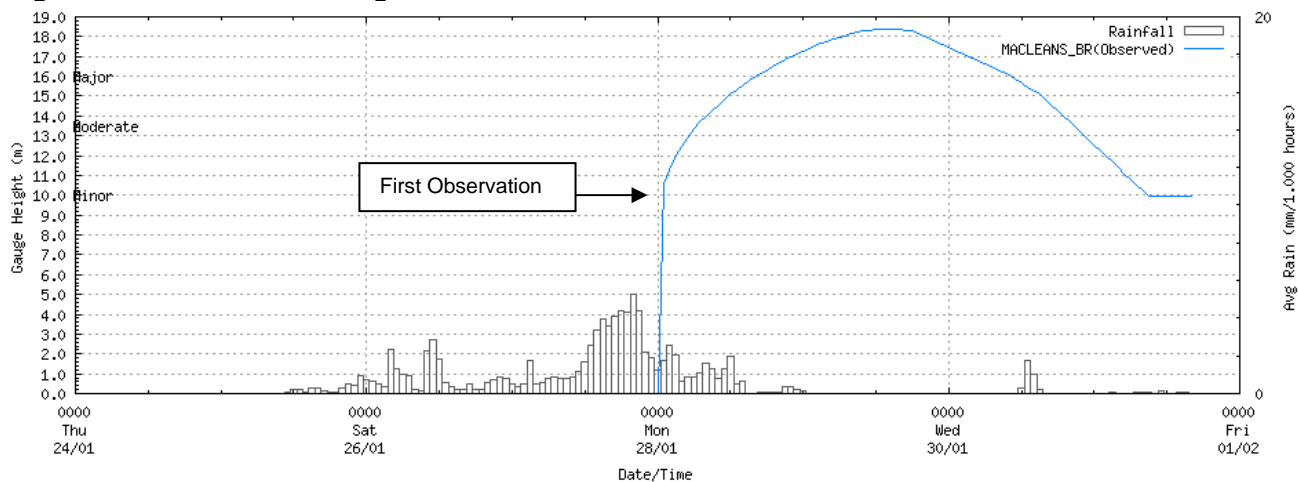
Brisbane River at Brisbane AL



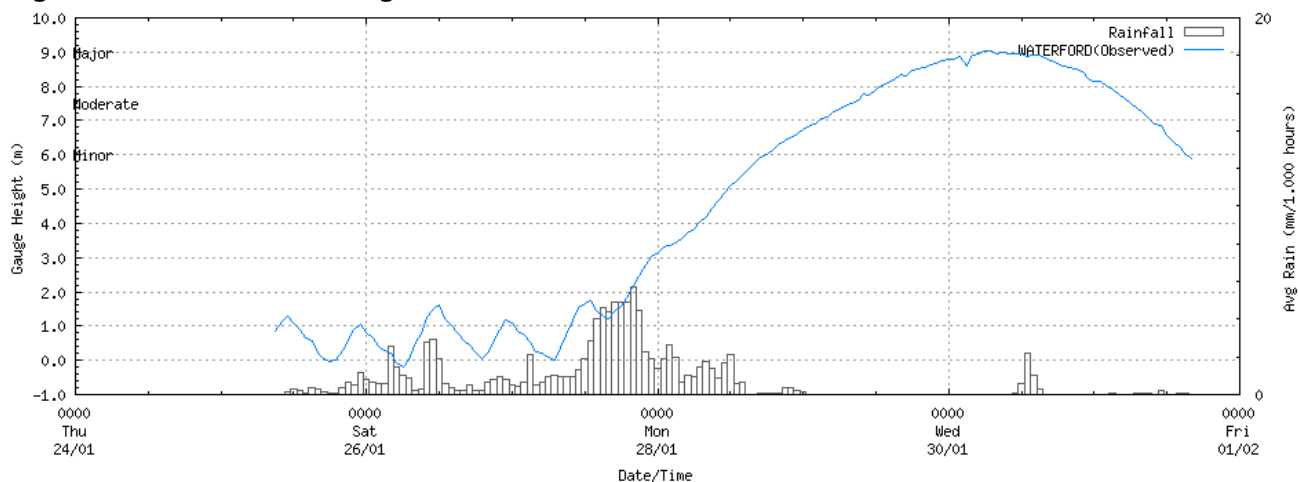
Logan River at Round Mountain AL



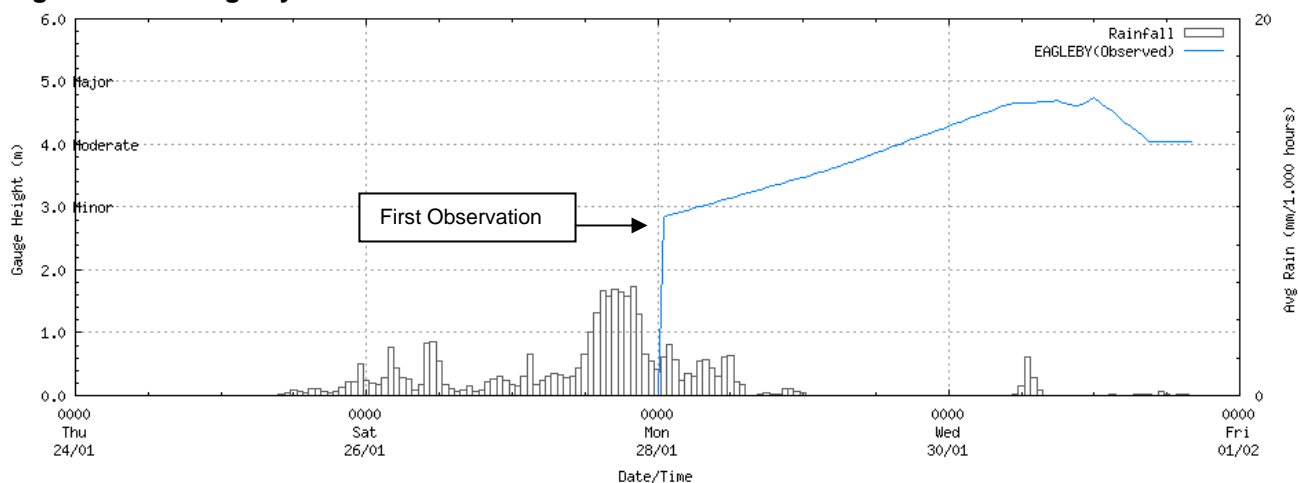
Logan River at Macleans Bridge Manual



Logan River at Waterford Bridge AL



Logan River at Eagleby Manual



Appendix 4. DNRM Usage Agreement



Queensland Government

Department of Natural Resources and Mines

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