

North Queensland Disaster Issues

Key Facts

- From late January 2019 a monsoon moved across north Queensland causing protracted heavy rainfall across a large area.
- Townsville experienced an unprecedented weather event, receiving one year's worth of rain – 1158 mm – over a seven-day period.
- In addition, multiple occurrences of one in-100-year rainfall rates, were recorded, notably in Bluewater Creek and Sandy Plateau (north of Mackay).
- Record major flood levels were recorded for the Ross and Leichardt Rivers, and major flood levels for the Haughton, Upper Burdekin, Flinders and Herbert Rivers and parts of the Diamantina.
- Flash flooding and landslides are a significant and ongoing concern, with roads such as the Hervey Range Road closed due to multiple landslides and erosion.
- On 10 February 2019, Townsville's status as disaster declared was lifted when it was determined the risk to people, property and the environment had significantly reduced.
- There are still high levels of flood water in the Carpentaria area. Significant water is coming down the Diamantina catchment with initial estimates of up to 1974 levels in Birdsville in about 7-8 days' time (as at Monday 18 February 2019). It is possible Birdsville will be cut off for three weeks as a result.
- Major-General Stuart Smith AO DSC was appointed the State Recovery Coordinator for this disaster, an expansion of his role coordinating recovery from the bushfires of late 2018.
- Brigadier Steve Jobson is commander of Joint Task Force 646 – a RAAF Air Command Aerospace Operational Support Group which is a component of the government response to the natural disaster in north west Queensland.
- The Honourable Mark Furner MP, Minister for Agricultural Industry Development and Fisheries and his senior staff were based in Mount Isa and provided on-the-ground direction with Brigadier Jobson.

- Minister Furner also met with producers in Julia Creek to discuss recovery efforts related to the recent flooding including their concerns on water contamination and availability of drinking water for stock.

Key Issues

Damage Assessments

Electricity supply

Schools and Childcare Centres

Ross River Dam and Operations

- Ross River Dam is owned by Townsville City Council with operations and maintenance under contract to SunWater.
- The dam has three spillway gates that are used to release excess flows from the dam. The gates have an automatic operating sequence, developed during their design, which varies the release flows according to reservoir levels. There is a manual override available to the dam operator should circumstances warrant.

- Sustained heavy rainfall over many days resulted in the dam reaching its Full Supply Level at 1pm on 30 January 2019. Releases from the dam then commenced under automatic operation in accordance with the Emergency Action Plan.
- Heavy rainfall continued, and the dam water level rose, gate releases increased automatically following the design sequence through Wednesday and Thursday until 11am on 1 February 2019.
- At that time, in response to an instruction from Townsville City Council, SunWater increased the gate openings by manual override to specified levels that increased the outflow. This instruction was given to provide an additional buffer of capacity in anticipation of heavy rain forecasted to continue for the next few days.
- Gate operations were regularly adjusted by Townsville City Council as it attempted to balance dam release rates with timings of flood evacuations and the associated risks until 8.30pm on 4 February 2019 when automatic operation was re-engaged.
- Manual operation was again initiated at 12pm on 5 February 2019 in anticipation of possible heavier rainfall forecast to occur on 7 February 2019.
- There was close communication between the Bureau of Meteorology, SunWater, Townsville City Council and the relevant local disaster management stakeholders throughout the event. Protocols for triggers, responses and communications are described in the Emergency Action Plan.
- The dam operations of Ross River Dam and associated emergency procedures will be the subject of a review by the Inspector-General Emergency Management. Any improvements that the Inspector-General identifies will be investigated with an aim to incorporate them into the emergency operation of Ross River Dam and other dams across the state.

Insurance

- The Honourable Jackie Trad MP, Deputy Premier, Treasurer and Minister for Aboriginal and Torres Strait Islander Partnerships, has called on insurance companies to treat people reeling from the devastating floods in Townsville and north west Queensland with compassion.

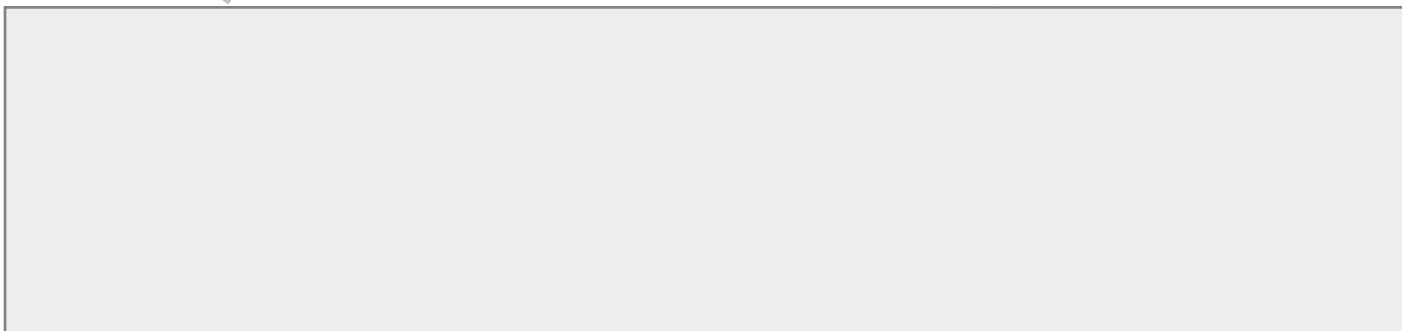
- On 10 February 2019, media reported Insurance Council of Australia chief executive Rob Whelan as saying:
 - flood insurance cover is readily available to all householders and businesses in Townsville;
 - customers who decided against purchasing flood cover, or chose to opt out, should still lodge a claim through their insurer or insurance broker; and
 - most policies include storm cover.
- Mr Whelan said the Insurance Council of Australia would hold two forums in Townsville in the coming weeks to guide policyholders about making a claim.
- The Deputy Premier hosted an Insurance Industry Roundtable in Townsville on 15 February 2019.
- Those in attendance included the State Recovery Co-ordinator; local elected representatives; representatives of the major insurance companies, the insurance industry peak body and insurance broker bodies; small business owners; and local business representatives
- A wide range of issues were discussed including:
 - the need for insurers to respond quickly to claims, be fair and compassionate and use local contractors for repair work, wherever possible
 - problems encountered by small businesses re flood coverage
 - cost and availability of flood coverage for business
 - role of brokers and agents
 - lack of progress on addressing flood coverage for small business (recommendation 15 of the Natural Disaster Insurance Review September 2011)
 - the approach of individual insurance companies in responding to the natural disaster in North Queensland
- Key outcomes were:
 - Qld Government will increase advertising of the North Qld Flood Register which lists licensed contractors available to undertake repairs
 - Insurance industry and broker representatives will meet directly with small business owners at Fairfield Central Shopping Centre to discuss their insurance concerns

- The Deputy Premier will write to the Federal Treasurer and Shadow Treasurer regarding the lack of progress in addressing flood coverage for small business as recommended by the Natural Disaster Insurance Review 2011
- Additionally, the insurance industry had already arranged for two insurance forums to be held in Townsville on 25 February and 25 March to allow local residents and businesses to talk to insurers, Legal Aid and the industry dispute resolution body

Community Recovery Hubs



Federal Financial Assistance



Queensland/Federal Joint Disaster Recovery Funding Arrangements

- Essential Services Safety and Reconnection Scheme was activated in the 13 LGAs of Burdekin (targeted areas only), Burke, Charters Towers (targeted area only), Cloncurry, Cook (targeted areas only), Douglas (targeted areas only), Flinders, Hinchinbrook (targeted areas only), McKinlay, Palm Island, Richmond and Townsville and Winton (targeted areas only).
- Personal Hardship Assistance Scheme which includes the Emergency Hardship Assistance Grant, Essential Services Hardship Assistance, Essential Household Contents Grants and Structural Assistance Grant, was activated in the 14 LGAs of Burdekin (targeted areas only); Burke, Charters Towers (targeted areas only), Cloncurry, Cook (targeted areas only), Douglas (targeted areas only), Flinders, Hinchinbrook (targeted areas only), McKinlay, Palm Island, Richmond, Townsville, Winton (targeted areas only) and Wujal Wujal.
- As at 18 February 2019, more than \$10.48 million in emergency hardship assistance has been paid, benefitting more than 59,455 people.
- Counter Disaster Operations grants and Restoration of Essential Public Assets grants activated in the 32 LGAs of Barcoo, Boulia, Burdekin, Burke, Cairns, Carpentaria, Cassowary Coast, Charters Towers, Cloncurry, Cook, Croydon, Diamantina, Douglas, Etheridge, Flinders, Hinchinbrook, Hope Vale, Kowanyama, Lockhart River, Longreach, Mackay, Mareeba, McKinlay, Mornington, Mount Isa, Palm Island, Richmond, Townsville, Whitsunday, Winton, Wujal Wujal and Yarrabah.

- Disaster Assistance (Small Business) Loans, Disaster Assistance (Essential Working Capital) Loans Scheme for Small Business, are available in the eight LGAs of Burdekin, Cloncurry, Douglas, Flinders, Hinchinbrook, McKinlay, Richmond and Townsville.
- Disaster Assistance (Essential Working Capital) Loans Scheme for not profit organisations and Disaster Assistance (Not-for-profit organisations) Loans are available in the eight LGAs of Burdekin, Cloncurry, Douglas, Flinders, Hinchinbrook, McKinlay, Richmond and Townsville.
- Disaster Assistance (Primary Producer) Loans, Disaster Assistance (Essential Working Capital) Loans Scheme for primary producers and Freight subsidies for primary producers are available in the 14 LGAs of Burdekin, Burke, Cloncurry, Carpentaria, Charters Towers, Croydon, Douglas, Etheridge, Flinders, Hinchinbrook, McKinlay, Richmond, Townsville, and Winton.
- Category C Special Disaster Assistance Recovery grants of up to \$75,000 are available for eligible primary producers in the nine LGAs of Burdekin, Burke, Carpentaria, Cloncurry, Douglas, Flinders, Hinchinbrook, McKinlay, Richmond, Townsville and Winton.
- On 15 February 2019, the Honourable Annastacia Palaszczuk MP, Premier and Minister for Trade, and Senator the Honourable Linda Reynolds MP, Assistant Federal Minister for Home Affairs, announced Category C recovery grants under the Disaster Recovery Funding Arrangements for Small Businesses and not-for-profit organisations grants of up to \$25,000 activated in the LGAs of Townsville, Cloncurry, McKinlay, Richmond and Flinders.

Land rent assistance

Charitable/NGO support

Animal Welfare – Fodder and Fuel Drops

- Producers are unable to accurately give stock losses at this stage and it may be several weeks before producers in lower catchment areas will know these figures.
- Stock losses are likely to be in the hundreds of thousands. As the water subsides, other disease and pest considerations may become apparent such as three-day sickness.
- Biosecurity Queensland has provided support to the Local Disaster Management Group and District Disaster Management Group with guidance around the management of animal welfare incidents associated with the rainfall events in north and north west Queensland.
- This has included establishing communication channels to animal welfare inspectors to triage and assist farmers and graziers with enquiries.
- The State and Federal Governments are working together to deliver fodder to stranded livestock in the Gulf shires. This fodder drop operation was a joint effort involving the Australian Defence Force – Joint Task Force 646, local government, agricultural industry groups and the Department of Agriculture and Fisheries (DAF).
- DAF led the coordination of the fodder drop effort.
- The fodder drop activity is a significant undertaking given the widespread extent of the flooding, getting access to many of the flooded communities, and the number of livestock involved.
- This activity involves identifying producers in need and sources of available fodder and then identifying points where fodder can be stockpiled for final distribution to impacted producers' properties.

- On 14 February 2019, media reported Joint Task Force 646 were completing these fuel and fodder drops by 15 February 2019.
- The need for fodder drops is being regularly reviewed and continuing to be undertaken as required.
- Road closures and a lack of available aviation fuel were challenges to the operation, but roads are now opening up and stocks of aviation fuel have been dropped by the Australian Defence Force at strategic locations to support the program.
- Another issue complicating the successful fodder drop effort is the nature of the terrain and soil. Fodder needs to be placed in areas that will not lead to animals getting bogged in mud when they access the food.
- Importantly, while the donation of fodder is welcomed, care needs to be taken that weeds and other pathogens are not spread as a result of the response effort, creating longer term issues.

Disposal of Dead Stock

- Biosecurity Queensland also provided specialist advice regarding the disposal of large numbers of dead stock.
- A Biosecurity Queensland officer commenced work in Julia Creek to help develop a carcass disposal prioritisation plan across the impacted shires.
- An Oversight Group, which will include representatives from both State and Federal agencies, will provide support to local government to implement the plan.
- On 14 February 2019, media reported a strategic plan for carcass clean-up was being developed by Joint Task Force 646 which is made up of State Government and other Federal Government agencies including the Australian Army. Using hi-tech surveillance aircraft, Joint Task Force 646 will be able to assess high density carcass areas around the north west by flying over paddocks and detecting dead carcasses so crews can then react on the ground.
- With more than 300,000 dead cattle to deal with, the plane will help with planning between local councils and the Joint Task Force to coordinate technical advice and cattle carcass disposal.
- The flooding increases the risk of the spread of invasive plants, pests and diseases. Of note is the outbreak of Panama Disease Tropical Race 4 contained on properties in the Tully region.

- The Government has requested special vigilance at this time and that movements occur in compliance with established protocols.

Communications to farmers

- Biosecurity Queensland has established communication channels to animal welfare inspectors to triage and assist farmers and graziers with enquiries.

Health Warnings

- As at 17 February 2019, Queensland Health advises of twelve confirmed cases of melioidosis in the Townsville area and one confirmed case in Mount Isa.
- One of the 12 people confirmed as being affected by melioidosis has died, which Queensland Health advises is probably not due to exposure to flood water.
- Melioidosis is a disease caused by a bacterium that can be found in muddy surface waters. The bacterium usually enters the body via unprotected cuts and sores on the skin or via inhalation of dust or droplets. Although rare, it can also be caused by ingestion of contaminated water.
- Those most at risk at developing melioidosis are children, the elderly and adults with underlying medical conditions including diabetes, chronic lung or kidney diseases, cancers and treatments which lower immunity.
- Although treatable by antibiotics, there is no vaccine to prevent melioidosis. The messaging is therefore focused on warning those most at risk, including the elderly and adults with low immunity, to not participate in the clean-up of flood waters and to seek help instead.
- All Queensland Health hospitals are fully open to provide treatment to anyone that feels unwell after contact with flood waters.
- Queensland Health is providing advice to GPs and Emergency Departments in flood affected areas on the risks of infection from contact with flood waters.
- The Townsville Hospital and Health Service is conducting extensive targeted local media messaging and will continue to provide advice to the local community on the risks of contact with flood waters.

- Local Disaster Management Groups across Queensland, with the support of Queensland Health, have been promoting health messaging after the flooding event started including generic warnings about health risks from flood waters.
- The warnings encourage all residents to take precautions to avoid any skin infections during the clean-up period by wearing protective clothing like boots and gloves and wash thoroughly with soap after exposure to soap or muddy water.
- The Queensland Chief Health Officer, Dr Jeannette Young, held a media conference and printed media messaging on the health risks associated with the flooding event was produced and circulated.
- There is no vaccine to prevent melioidosis which is why the warnings urge those most at risk, including the elderly and adults with low immunity, to not participate in the clean-up of flood waters and to seek help instead.
- Other health warnings issued include:
 - using insect repellent and wearing long and loose clothing as mosquitos carrying disease like dengue fever may be more common following the flooding;
 - consider using a licensed asbestos removalist as some homes built prior to 1990 may contain asbestos material and asbestos waste should be removed with caution and not mixed with other waste;
 - residents are also discouraged from attempting to catch or remove snakes, and instead should call a local licensed snake removalist;
 - all residents are encouraged to report any crocodiles as soon as possible to the Department of Environment and Science on 1300 130 372.

Mental Health

- There are eight mental health workers located in Townsville at Community Recovery Centres and on Community Outreach Teams to assist flood-affected people.
- Seven mental health clinicians were brought in to replace flood-affected clinicians in inpatient and community mental health services.

- On 13 February 2019, four additional mental health staff arrived in Townsville and from 11 February 2019, mental health professionals were operating in Winton, Julia Creek and Richmond.
- The presence of existing and additional mental health specialists in the Townsville region will be maintained for as long as they are needed.
- A dedicated Mental Health Response Plan is being implemented for flooding in Townsville and surrounding areas including exploring ways to establish a mental health recovery team to provide services for the medium- and long-term recovery period.
- Queensland Health initiated contact with the Royal Flying Doctor Service to coordinate the immediate mental health response to the affected shires in North West, Central West and Townsville Hospital and Health Services.
- Queensland Health, the Royal Flying Doctor Service and Western Queensland Primary Health Care have been meeting daily to coordinate actions for these shires.
- The initial response is three pronged:
 - the Royal Flying Doctor Service established a mental health professional-staffed telephone service available to volunteers and frontline health and other service providers who are in contact with people affected by the flood event. The mental health professionals can provide advice and/or information on accessing local service providers;
 - on 11 February 2019, the Royal Flying Doctor Service flew in experienced mental health professionals to Winton, Julia Creek and Richmond who are in contact with local councils and are assessing the needs in these areas and is advising the coordinating group on how and when to escalate the level of mental health services to be brought in. The Royal Flying Doctor Service is looking to fly in mental health professionals to other areas; and
 - NQ Connect is providing a 24-hour mental and social support service, providing confidential counselling during flood recovery
- Regional Adversity Clinicians from the Tackling Regional Adversity through Integrated Care program from Mount Isa and Townsville are involved in planning for a service response in Cloncurry and Richmond and Hughenden. The Regional Adversity Clinicians from

Townsville will be driving out to Richmond with another mental health clinician to liaise with the Royal Flying Doctor Service clinician and the local hospital and will be available to provide clinical services as required.

- Queensland Health has distributed information about online disaster recovery for adults, young people and parents of young children.
- Queensland Health is exploring with shire councils whether an outbound telephone contact service to check-in with community members would be valued. The timing of the introduction of this service will depend on feedback from the shire councils.
- Primary Health Networks in northern and western Queensland have combined resources, with additional funding from the Federal Government, to provide NQ Connect, which provides free phone and online counselling service for flood affected Queenslanders.

Roads and Transport



2019 Monsoon Trough Rainfall and Flood Review

- The Inspector-General Emergency Management is conducting the 2019 Monsoon Trough Rainfall and Flood Review.
- The review will assess aspects such as:
 - the preparation and planning by state and local governments and the community;
 - the response to the weather event, including measures taken to inform the community protect life and private and public property, and manage the supply of essential services;
 - dam operations, in particular for the Ross River Dam, and associated emergency procedures;
 - resourcing, overall coordination and deployment of personnel and equipment.
- Public submissions close on 31 March 2019. Information on how to make a submission to the Review can be found online.

Queensland Government response

- This has been a truly devastating event across North and North West Queensland and the Queensland Government will support all affected communities to get back on their feet.
- The Queensland Government is here for the long haul in what will no doubt be a long-term recovery effort.

Contact	Kyla Hayden	Elizabeth Fellows
Department	Social Policy, Premier and Cabinet	Environment Policy, Premier and Cabinet
Phone: – Work – Mobile		

Approved / Not approved / Noted

Signature:.....

PW / SZ / MP / TS / SK

Dated...../...../.....

DEPARTMENT OF NATURAL RESOURCES, MINES AND ENERGY
RESPONSE TO REQUEST FROM THE DEPARTMENT OF PREMIER AND CABINET

CTS No.	02952/19
DATE REQUESTED	5/2/2019
DATE OF RESPONSE	5/2/2019
ISSUE	North Queensland Flood
PREPARED BY	Name: Chris Nielson Position: Director Business Unit: Dam Safety, Operations Support Phone Number: [REDACTED]
FINAL APPROVAL	Name: Mandy Downes Position: Executive Director Business Unit: Operations Support, Natural Resources Phone Number: [REDACTED]

KEY ISSUES

- Ross River Dam is located approximately 19 kilometres south-southwest of the city of Townsville and is owned by Townsville City Council and operated under contract by SunWater. As well as providing potable water supply it has a flood mitigation function with three gates on the spillway (**Image 1**).



Image 1

- The dam was originally constructed in the 1970s, then upgraded in 1987 and 2007. The dam meets the acceptable flood capacity requirements as set out in the Department of Natural Resources, Mines and Energy's Guidelines as well as ANCOLD's Guidelines.

- There is a large Population at Risk (PAR) downstream of the dam in the order of 120 000. This includes most of the city of Townsville and surrounding suburbs (**Image 2**). Ross River Dam has the third highest number of downstream PAR in Queensland (after Wivenhoe and Hinze dams). Note that there is an inundation risk to both Ross and Bohle River floodplains, with inundation extending into the northern suburbs of Townsville.

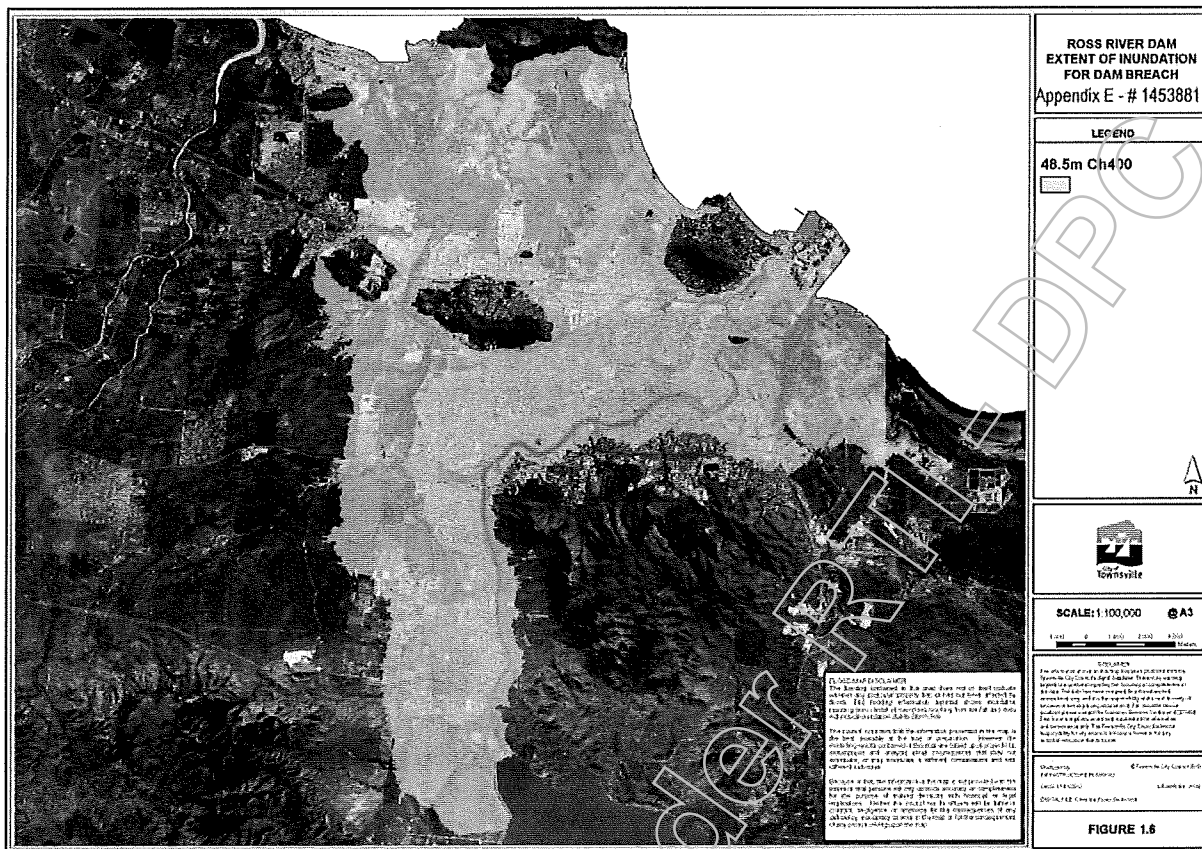


Image 2

- Suburban development in the past decade has progressively occurred along the Ross River floodplain, to the extent that there are now houses up to 500 metres downstream of the main spillway and embankments, highlighting example of PAR close to the dam structures.
- Dam details are as follows:
 - Catchment Area = 75000 Ha
 - FSL = 38.55 m
 - Height of dam wall = 31.4 m
 - Spillway crest = 34.66 m AHD
 - Storage capacity at FSL = 233,187 ML
 - Embankment Crest Level = 48.0 m AHD
 - Capacity at Dam Crest Level = approx. 1,200,000 ML
- The design flood capacity for the dam is 3655m³/s.
- The gates are operated when reservoir levels exceed the fully supply level of 38.55m. They are typically operated automatically according to the sequence of openings shown in the attached table, where gates are opened progressively wider as reservoir levels rise. In turn, release flows from the dam increase. A key transition occurs between reservoir levels 42.5 metres and 43.00 metres, where the gates are fully opened and do not impede water flow. This results in a rapid increase in release flows from approximately 900m³/s to 1900 m³/s.
- The gates can be operated manually by the dam operator. This is typically done when requested by the dam owner, in response to an unexpected event or as part of routine maintenance and testing.

GOVERNMENT ROLE IN FLOOD WATER RELEASE

- A gate operations sequence for flood releases from the dam based on a water level – gate opening relationship was developed as part of the design for the latest upgrade of the dam. The design satisfied normal dam safety standards and construction was completed in accordance with the design.

- The Dam Safety Regulator does not normally have a role during flood events. However if action is taken, or to be taken by the dam owner were considered to compromise the safety of the dam the Dam Safety Regulator can give directions under Chapter 4 Part 1 Division 4 of the *Water Supply (Safety and Reliability) Act 2008*.
- Under Chapter 4 Part 2 of the Regulation, Ross River Dam has not been prescribed to require a Flood Mitigation Manual. Wivenhoe, Somerset and North Pine Dams are the only dams where that requirement applies.

ATTACHMENTS

- **Attachment 1** – Ross River table of gate openings

Released under RTI - DPC

Ross River–2017/18–i2



Appendix C4: Ross River Dam gate discharges

The discharge values and the corresponding gate openings are shown in Table C3 and Table C4.

Table C3: Gate openings & discharges–water level rising 250mm increments - 2016

Headwater Level 2012 (m AHD)	Headwater Level (m above FSL)	Headwater Level (m above Spillway)	Gate Opening G _o (m)			2016 Discharge (m ³ /s)			
			Left	Centre	Right	Left	Centre	Right	Total
			1	2	3	1	2	3	
38.55	0.00	3.89	0.00	0.00	0.00	0	0	0	0
38.65	0.10	3.99	0.00	0.25	0.00	0	20	0	20
38.75	0.20	4.09	0.25	0.25	0.25	18	20	18	57
39.00	0.45	4.34	0.50	0.50	0.50	37	41	37	114
39.25	0.70	4.59	0.75	0.75	0.75	56	61	56	173
39.50	0.95	4.84	1.00	1.00	1.00	75	83	75	232
39.75	1.20	5.09	1.25	1.25	1.25	95	104	95	293
40.00	1.45	5.34	1.50	1.50	1.50	115	126	115	356
40.25	1.70	5.59	1.50	1.75	1.50	118	149	118	385
40.50	1.95	5.84	1.75	1.75	1.75	139	153	139	431
40.75	2.20	6.09	2.00	2.00	2.00	160	177	160	497
41.00	2.45	6.34	2.25	2.25	2.25	182	201	182	565
41.25	2.70	6.59	2.50	2.50	2.50	205	225	205	635
41.50	2.95	6.84	2.75	2.75	2.75	228	251	228	706
41.75	3.20	7.09	2.75	3.00	2.75	233	276	233	742
42.00	3.45	7.34	3.00	3.00	3.00	256	282	256	795
42.25	3.70	7.59	3.25	3.25	3.25	281	309	281	870
42.50	3.95	7.84	3.50	3.75	3.75	324	356	324	1003
42.75	4.20	8.09	3.75	11.50	3.75	330	636	330	1296
43.00	4.45	8.34	11.50	11.50	11.50	605	667	605	1877
43.25	4.70	8.59	11.50	11.50	11.50	634	698	634	1966
43.50	4.95	8.84	11.50	11.50	11.50	663	730	663	2056
43.75	5.20	9.09	11.50	11.50	11.50	692	763	692	2148
44.00	5.45	9.34	11.50	11.50	11.50	722	796	722	2241
44.25	5.70	9.59	11.50	11.50	11.50	753	829	753	2335
44.50	5.95	9.84	11.50	11.50	11.50	784	863	784	2430
44.75	6.20	10.09	11.50	11.50	11.50	815	898	815	2527
45.00	6.45	10.34	11.50	11.50	11.50	846	932	846	2625
45.25	6.70	10.59	11.50	11.50	11.50	878	967	878	2724
45.50	6.95	10.84	11.50	11.50	11.50	910	1003	910	2823
45.75	7.20	11.09	11.50	11.50	11.50	943	1039	943	2924
46.00	7.45	11.34	11.50	11.50	11.50	976	1075	976	3026
46.25	7.70	11.59	11.50	11.50	11.50	1009	1111	1009	3129
46.50	7.95	11.84	11.50	11.50	11.50	1042	1148	1042	3233
46.75	8.20	12.09	11.50	11.50	11.50	1076	1185	1076	3337
47.00	8.45	12.34	11.50	11.50	11.50	1110	1223	1110	3442
47.25	8.70	12.59	11.50	11.50	11.50	1144	1260	1144	3548
47.50	8.95	12.84	11.50	11.50	11.50	1178	1298	1178	3655
47.75	9.20	13.09	11.50	11.50	11.50	1213	1336	1213	3763
48.00	9.45	13.34	11.50	11.50	11.50	1248	1375	1248	3871

Dana Wilmington

From: Michelle Parker
Sent: Friday, 8 February 2019 2:13 PM
To: Justin Carpenter; Elizabeth Fellows
Subject: FW: Terms of Reference - IGEM review 070219.DOCX
Attachments: Media release - IGEM review 070219 (V2).docx; Terms of Reference - IGEM review 070219.DOCX

FYI only – latest version of the IGEM review TOR for the flood event. The media statement has been released (today).



Queensland
Government

Michelle Parker

Director
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From: Rebecca McGarrity <rebecca.mcgarrity@premiers.qld.gov.au>
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To: 'Denise.Spinks@ministerial.qld.gov.au' <Denise.Spinks@ministerial.qld.gov.au>; 'Chris Perkins' <Chris.Perkins@ministerial.qld.gov.au>
Cc: Dave Stewart <david.stewart@premiers.qld.gov.au>; Mark Cridland <mark.cridland@premiers.qld.gov.au>; Kyla Hayden <Kyla.Hayden@premiers.qld.gov.au>; Michelle Parker <Michelle.Parker@premiers.qld.gov.au>
Subject: Terms of Reference - IGEM review 070219.DOCX

Hi Denise

As per our discussions, please see the attached TOR for the IGEM review and draft Media statement.

We have removed the specific reference to Townsville and we have included a “catch-all” which includes: “other related matters the Inspector-General Emergency Management considers relevant, including for example land use planning and building codes.”

Thanks



Queensland
Government

Rebecca McGarrity

Executive Director
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The 2019 Monsoon Trough Rainfall and Flood Review

Terms of Reference for a review of preparedness for and response to the monsoon trough rainfall and flooding event across Queensland

Purpose

Section 16 C of the *Disaster Management Act 2003* provides the Inspector-General Emergency Management with functions including:

- to regularly review and assess the effectiveness of disaster management by the State, including the State disaster management plan and its implementation;
- to review, assess and report on performance by entities responsible for disaster management in the State against the disaster management standards;
- to report to, and advise, the Minister about issues relating to the functions above
- to make all necessary inquiries to fulfil the functions above.

In accordance with these functions, the Office of the Inspector-General Emergency Management will assess the effectiveness of preparedness activity for and response to the monsoon trough rainfall and flooding event in January and February 2019 that occurred in Queensland.

Approach

For the weather event in January and February 2019, the Review team will work closely with the Queensland Police Service, Queensland Fire and Emergency Services, local, state and federal agencies, and other relevant entities to assess:

- the preparation and planning by state and local governments and the community;
- the response to the weather event, including measures taken to:
 - inform the community;
 - protect life and private and public property; and
 - manage the supply of essential services;
- dam operations, in particular for the Ross River Dam, and associated emergency procedures;
- resourcing, overall coordination and deployment of personnel and equipment; and
- other related matters the Inspector-General Emergency Management considers relevant, including for example land use planning and building codes.

The Review will identify lessons that will inform continuous improvement in Queensland disaster management arrangements. The scope of these lessons will be bound by the Standard for Disaster Management in Queensland and other relevant doctrine.

In conducting the Review, the team will consider the views of community members, relevant agencies and operational staff, and also be informed by any relevant expert advice.

Reporting

The Review report will be based on relevant Shared Responsibilities of the Standard for Disaster Management in Queensland.

The Review report will be provided to the Minister for Fire and Emergency Services by 17 June 2019. Before finalising the Review report, the Review team will consult with entities on relevant draft findings and recommendations.



Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Saturday, 2 February 2019 10:32 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Bohle at Dalrymple.JPG; Ross River at Aplin Weir.JPG; Ross River Dam.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 9:59 pm EST on Saturday 2 February 2019 Flood Warning Number: 28

Major flood levels are continuing in the Bohle River at Mt Bohle during Saturday evening. Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are currently rising and approaching the minor flood level.

The Ross River at Aplin Weir is currently at 2.36 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during Sunday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River. Major flooding is continuing further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be around the major flood level of 7.00 metres and falling. The Bohle River at Mt Bohle is likely to remain around the major flood level (7.00 m) overnight Saturday into Sunday.

Black River and Bluewater Creek:

Stream levels along the Black River are currently falling and renewed rises are occurring in Bluewater Creek but both remain below the minor flood level.

Renewed rises similar to those recorded in previous days are likely with the heavy rainfall expected overnight Saturday into Sunday.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 12:00 am EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.04, Rising, 09:35 PM SAT 02/02/19 Bohle R at Hervey Range Rd Alert, 6.85, Falling, 09:44 PM SAT 02/02/19 Bohle R at Dalrymple Rd Alert, 10.99, Falling, 09:17 PM SAT 02/02/19 Black R upstream Bruce Hwy TM, 2.25, Steady, 09:08 PM SAT 02/02/19 Bluewater Ck at Bluewater Alert, 4.93, Rising, 09:43 PM SAT 02/02/19 Ross R at Ross River Dam Alert, 42.29, Steady, 09:02 PM SAT 02/02/19 Ross R at Black Weir (Riverway) Alert, 1.85, Steady, 09:45 PM SAT 02/02/19 Ross R at Aplin Weir Alert, 2.36, Rising, 08:59 PM SAT 02/02/19 Ross R at Rooneys Bridge Alert, 3.85, Rising, 09:26 PM SAT 02/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Saturday, 2 February 2019 8:00 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Rosss at Dam.JPG; Ross at Appin Weir.JPG; Bohle at Hervey Range.JPG; Rainfall since 0900.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 7:43 pm EST on Saturday 2 February 2019 Flood Warning Number: 27

Major flood levels are continuing in the Bohle River at Mt Bohle during Saturday. Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are currently rising and approaching the minor flood level.

The Ross River at Aplin Weir is currently at 2.21 metres and steady. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during Sunday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River. Major flooding is continuing further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the major flood level of 7.00 metres and falling. The Bohle River at Mt Bohle is likely to remain above the major flood level (7.00 m) overnight Saturday into Sunday.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are currently below the minor flood level and falling. Renewed rises are likely with heavy rainfall expected overnight Saturday into Sunday.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 10:00 pm EST on Saturday 02 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.49, Falling, 07:16 PM SAT 02/02/19 Bohle R at Hervey Range Rd Alert, 7.20, Falling, 07:14 PM SAT 02/02/19 Bohle R at Dalrymple Rd Alert, 11.29, Falling, 07:16 PM SAT 02/02/19 Black R upstream Bruce Hwy Alert, 2.49, Falling, 07:03 PM SAT 02/02/19 Bluewater Ck at Bluewater Alert, 4.83, Falling, 07:08 PM SAT 02/02/19 Ross R at Ross River Dam Alert, 42.27, Rising, 06:37 PM SAT 02/02/19 Ross R at Black Weir (Riverway) Alert, 1.75, Falling, 06:45 PM SAT 02/02/19 Ross R at Aplin Weir Alert, 2.21, Steady, 06:21 PM SAT 02/02/19 Ross R at Rooney's Bridge Alert, 3.85, Falling, 06:22 PM SAT 02/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: [REDACTED]
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC

Key Messaging

Report Time

02/02/2019 16:00

Report ID

R13150721

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- Record monsoonal rainfall is expected to continue over the weekend and continue into next week, with further heavy falls expected between Cairns and Bowen.
- Multiple Emergency Alerts have been issued to residents due to the unprecedented weather, impacting Far North, North and North West Queensland.
- The situation in Townsville is deteriorating, with significant flooding already occurring in some parts of the town. More than 35 swift water rescues have been conducted and 80 evacuations carried out by emergency workers, mostly around Townsville.
- Police are out in the community speaking with residents in areas affected or expected to be affected by flooding. Extra officers have been deployed across the Townsville District.
- Police are urging Townsville residents to plan ahead and take appropriate action to ensure their safety and the safety of their loved ones and pets.
- Residents in low-lying areas should consider relocating to higher ground nearby should they need to evacuate.
- Leaving early is often the safest option. Residents should already be considering if this is safe to do so and appropriate to their circumstances.
- People who need to evacuate are asked to seek alternative accommodation with friends and family before seeking help from Townsville's four evacuation centres at Alligator Creek, Bluewater, Cranbrook and Heatley.
- For centre details go to www.disaster.townsville.qld.gov.au
- Ergon Energy reported that, as of 2.30 pm Saturday, around 5000 Townsville customers were without power.
- A renewed burst in the monsoon is forecast to come through far north Queensland into Sunday, bringing further heavy rainfall to the region.
- The Ross River Dam is approaching its maximum capacity and further controlled releases of water are planned for early tomorrow morning.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).

Sub Issue

Safety

- Emergency alerts have been issued for Hughenden, Palm Island, Black River, Bluewater, Beach Holm, Yabulu, Toolakea, Bohle River, Saunders Creek, Stoney Creek, Deeragun, Jensen, Burdell, Condon, Rassmussen, Kelso, Kirwan, Giru, Alligator Creek, Nome, Julago, Cluden, Rosslea, Hermit Park, Ooonoonba, Idalia, and Railway Estate.
- Emergency services workers are on the ground and working with partner agencies to respond to requests for



Key Messaging

assistance due to severe weather.

- More than 30 Swift Water Rescue firefighters have been deployed to the Hinchinbrook, Townsville, Burdekin, Ayr and Mount Isa areas.
- Twenty extra ambulance service workers have also been deployed to Townsville.
- The State Emergency Service (SES) received more than 400 requests for assistance in the past 24 hours. Most of these were for the Townsville area and included requests to supply sandbags, flood assistance and tarps.
- The SES is supplying more than 20,000 sandbags to Townsville in anticipation of further heavy rainfall and increased flooding in the coming days.
- Damage assessments are being carried out on properties in affected areas. Assessors will gain a greater understanding of the extent of the damage as access and conditions permit.
- For damage and flood assistance contact the SES on 132 500 or log a job using the SES Assistance app.

Health

- Residents on Palm Island are advised to boil their drinking water.

General Advice

- Residents in flood affected zones should also be aware of the possibility of sewage backflows. If residents are having issues with sewage entering their property, information is available on the [Townsville City Council website](#).
- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor. Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- It is important residents avoid water activities until local councils can confirm water quality is safe again.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.
- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Be Crocwise and if you see a crocodile, please report it as soon as possible to the Queensland Department of Environment and Science on 1300 130 372. If you see a snake, don't attempt to catch or remove it - contact a local licensed snake removalist if you need assistance.
- If you have lost power, the food in your fridges and freezers may have been impacted. Keep fridge and freezer doors closed for as long as possible - the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood damaged foods. When it comes to food safety, always remember that if in doubt, throw it out.

Transport

- Flooding in North Queensland has resulted in major road closures, including the Bruce Highway north of the

Key Messaging

Houghton River Bridge, Donohue Highway, Mulligan Highway, Landsborough Highway and Flinders Highway. The Flinders Highway at Macrossan Bridge over the Burdekin River west of Townsville is closed as are many local roads.

- Ross River Bridge, Bowen Road Bridge and Róoneys Bridge are also closed due to Ross River Dam releases. Harvey Range Road also remains closed.
- For other key road closures and to keep up-to-date with conditions, visit qldtraffic.qld.gov.au.
- There are major Queensland Rail service interruptions due to track closures, including the North Coast line from Mackay to Cairns.
- Customers booked on a Queensland Rail service in the impacted areas are encouraged to visit www.queenslandrailtravel.com.au or call Queensland Rail Travel on 1800 803 009.
- Townsville buses have been suspended for the time being. Magnetic Island buses are suspended.
- Numerous long-distance coaches are cancelled, and all Palm Island ferries are cancelled today (2 Feb) and tomorrow (3 Feb).
- Magnetic Island ferry services will cease early tonight.
- There are limited taxis in Townsville and Magnetic Island, with emergencies prioritised.
- Townsville airport is open and operating as per normal.

Closure of public facilities



Community recovery

- Preparations are being made to establish Community Recovery Hubs in Townsville.
- 100 ready reserves have been deployed to the affected areas and a further 38 are providing support from Brisbane.
- Queensland Reconstruction Authority (QRA) Regional Liaison Officers (RLOs) are in contact with councils and are providing advice and support on recovery processes and options.
- RLOs are also working to help prepare councils that are likely to be in the path of the further rainfall and resultant flooding.

Funding assistance

- Emergency funding assistance is now available to residents in:
 - Douglas Shire Council: Daintree; Upper Daintree; Lower Daintree, Degarra; Stewart Creek Valley and other targeted locations.

Key Messaging

- Townsville City Council: Bluewater, Black River, Toolakea, Alligator Creek, Nome and Julago.
- Cook Shire Council: Bloomfield (including Ayton); Rossville (including Shiptons Flat); and
- Wujal Wujal Aboriginal Shire Council.
- These grants, of up to \$180 per person, to a maximum of \$900 for a family of five or more, are available to people experiencing genuine financial hardship as a result of this weather event. To date, around 400 applications have been received.
- People who are distressed or experiencing hardship due to the flooding can contact the Community Recovery Hotline on 1800 173 349.
- To date, around 317 calls have been received by the Community Recovery Hotline.

Emergency housing

- People affected by the floods who may need emergency housing support can register by calling 13QGOV (13 74 68) or online at www.hpw.qld.gov.au
- Staff resources have been increased in key areas and staff are ready to commence rapid response impact assessments on government infrastructure when it is safe to do so.
- The Sport and Recreation Disaster Recovery Program has been activated to assist sporting associations in identified communities as they clean up after the floods, <https://www.qld.gov.au/recreation/sports/funding/disaster-recovery#how-to-apply>

Agriculture



Electrical safety

- Make sure you know where to turn off your power, gas and water supply in an emergency.
- If you've lost power, turn off your power points and unplug electrical equipment.
- If flood waters are expected, switch off and unplug electrical equipment, then move it to higher locations.
- Unplug outside TVs and non-fixed aerials and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity supplier.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that

Key Messaging

may be lying around your house.

- If you've lost power, contact your local electrical supplier who should be able to advise when power will be re-connected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as kettles, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be re-connected.
- Power from generators can be dangerous if incorrectly managed.

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If your solar PV system has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.
- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at: <https://www.ditid.qld.gov.au/tourism/tourism-planning>.

Hot Issues

Administration



Key Messaging

Sub Issue

Title of sub issues:

Hot Issues

If asked question

- Response

Approval

Prepared	Breda Wall - Coordinator	02/02/2019 16:03
Endorsed	Breda Wall - Coordinator	02/02/2019 16:04
Approved	Jody Rossner - Roster Officer	02/02/2019 16:14

Released under RTI - DPC



Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Saturday, 2 February 2019 8:23 AM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Lt Bohle River as at 0756 020219.PNG; IDQ65146.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A **Severe Weather Warning** remains current for this catchment. Falls of up to 180mm in a 3 hour period have been recorded in this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 7:50 am EST on Saturday 2 February 2019

Flood Warning Number: 23

Major flood levels are expected in the Bohle River at Mt Bohle during Saturday morning. Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are steady and currently below the minor flood level.

The Ross River at Aplin Weir is currently at 2.21 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood

level (2.90 m) during the weekend. This prediction is based on forecast rainfall.

Bohle River:

Major flood levels are rising at Little Bohle River. Renewed rises are expected further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to now be below the major flood level of 7.0 metres. The Bohle River at Mt Bohle is likely to exceed the major flood level (7.00 m) during Saturday morning.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are currently steady and remain below the minor flood level. Fast renewed rises are expected if heavy rainfall moves back into the catchment areas.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 11:00 am EST on Saturday 02 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 5.59, Rising, 07:36 AM SAT 02/02/19

Bohle R at Hervey Range Rd Alert, 6.85, Rising, 07:40 AM SAT 02/02/19

Bohle R at Hervey Range Rd TM, 6.57, Steady, 07:24 AM SAT 02/02/19

Bohle R at Dalrymple Rd Alert, 9.84, Rising, 07:40 AM SAT 02/02/19

Black R upstream Bruce Hwy Alert, 3.84, Falling, 07:38 AM SAT 02/02/19

Black R upstream Bruce Hwy TM, 3.89, Steady, 07:23 AM SAT 02/02/19

Bluewater Ck at Bluewater Alert, 5.33, Rising, 07:38 AM SAT 02/02/19

Bluewater Ck at Bluewater TM, 5.17, Falling, 07:00 AM SAT 02/02/19

Ross R at Ross River Dam Alert, 41.61, Rising, 07:24 AM SAT 02/02/19

Ross R at Black Weir (Riverway) Alert, 1.70, Rising, 07:33 AM SAT 02/02/19

Ross R at Aplin Weir Alert, 2.21, Rising, 07:39 AM SAT 02/02/19

Ross R at Rooneys Bridge Alert, 3.70, Falling, 07:11 AM SAT 02/02/19

Townsville Harbour Tide Alert, 3.55, Rising, 07:42 AM SAT 02/02/19

Townsville Harbour Tide TM, 3.21, Steady, 06:56 AM SAT 02/02/19

Cape Ferguson Tide TM, 3.12, Rising, 06:53 AM SAT 02/02/19

This advice is also available by dialling 1300 559 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

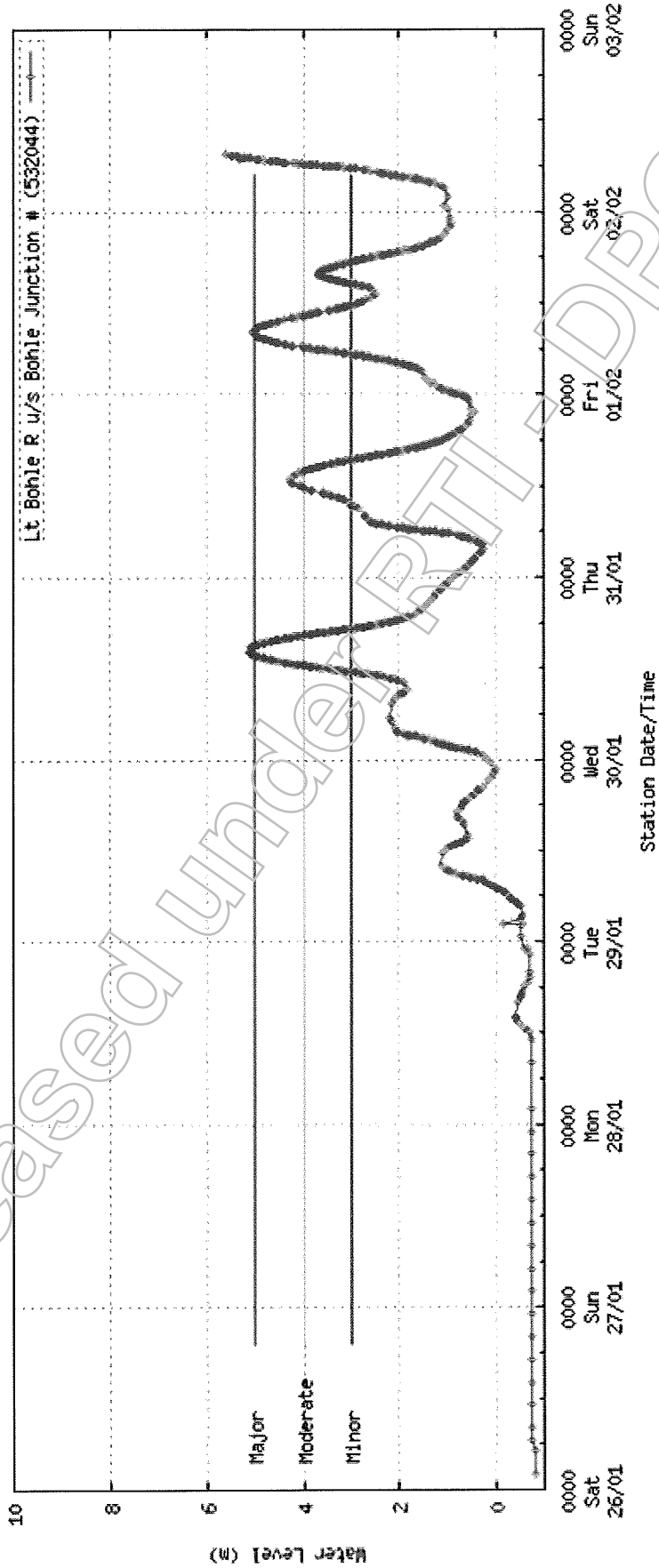
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

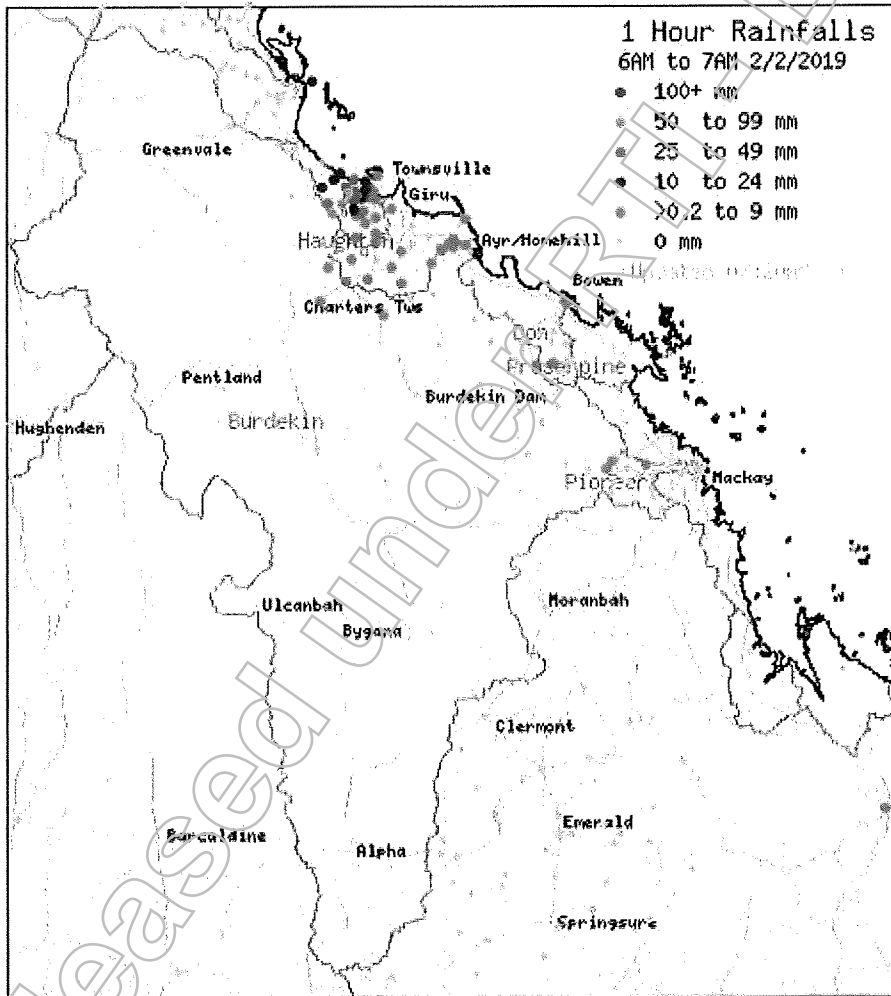
Station details: Station Number: 532044 Name: Lt Bohle R u/s Bohle Junction # Owner: TCC:118908
Flood levels: Minor: 3.00 Moderate: 4.00 Major: 5.00

Data from the previous 7 days.



(Generated: 02/02/2019 07:42:48)

Australian Government Bureau of Meteorology



Released under DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Saturday, 2 February 2019 2:35 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: 24hr Rainfall 02022019 as at 1206hrs.PNG; Ross R Alpin Weir 02022019 1112hrs.PNG; Ross R River Dam 02022019 1412hrs.PNG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

Major flood levels are continuing in the Bohle River at Mt Bohle. Major flood levels are possible in the Ross River at Aplin Weir with forecast heavy rainfall. Increase in flow from Ross River Dam may result in flooding of properties.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 2:07 pm EST on Saturday 2 February 2019

Flood Warning Number: 25

Major flood levels are continuing in the Bohle River at Mt Bohle during Saturday. Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are steady and currently below the minor flood level.

The Ross River at Aplin Weir is currently at 2.21 metres and steady. Further

rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during Sunday. This prediction is based on forecast rainfall.

Bohle River:

Major flooding is easing on the Little Bohle River. Major flooding is continuing further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to now be above the major flood level of 7.0 metres. The Bohle River at Mt Bohle is likely to remain above the major flood level (7.00 m) during Saturday.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are currently steady and remain below the minor flood level. Fast renewed rises are expected if heavy rainfall moves back into the catchment areas.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 05:00 pm EST on Saturday 02 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 4.24, Falling, 01:54 PM SAT 02/02/19

Bohle R at Hervey Range Rd Alert, 8.25, Falling, 01:44 PM SAT 02/02/19

Bohle R at Dalrymple Rd Alert, 11.94, Steady, 01:09 PM SAT 02/02/19

Black R upstream Bruce Hwy Alert, 2.14, Falling, 01:53 PM SAT 02/02/19

Bluewater Ck at Bluewater Alert, 3.98, Falling, 01:13 PM SAT 02/02/19

Ross R at Ross River Dam Alert, 42.09, Rising, 01:48 PM SAT 02/02/19

Ross R at Black Weir (Riverway) Alert, 1.70, Steady, 12:45 PM SAT 02/02/19

Ross R at Aplin Weir Alert, 2.21, Rising, 01:40 PM SAT 02/02/19

Ross R at Rooneys Bridge Alert, 3.85, Falling, 01:28 PM SAT 02/02/19

Townsville Harbour Tide Alert, 1.70, Rising, 01:55 PM SAT 02/02/19

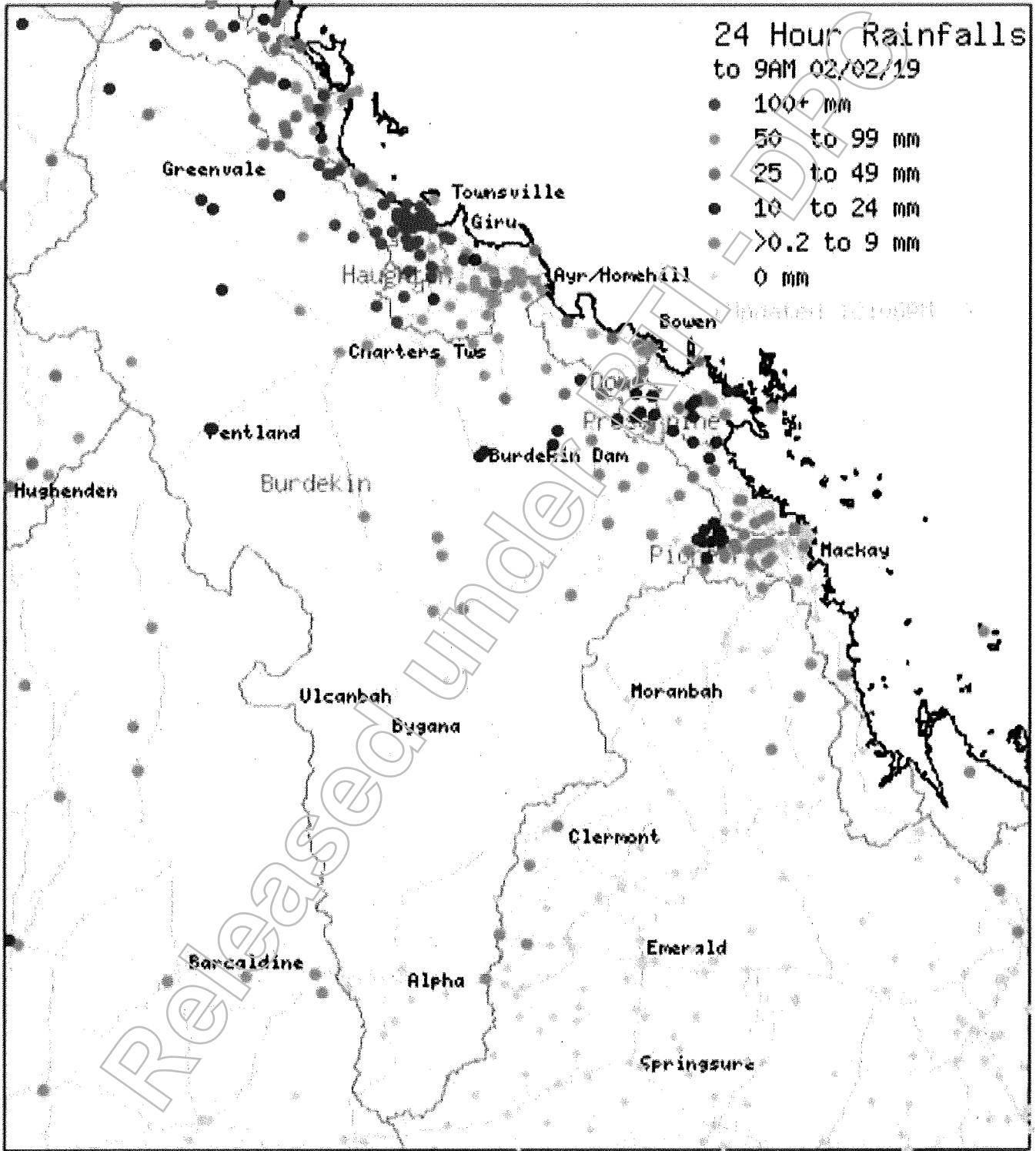
Cape Ferguson Tide TM, 1.60, Steady, 01:33 PM SAT 02/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

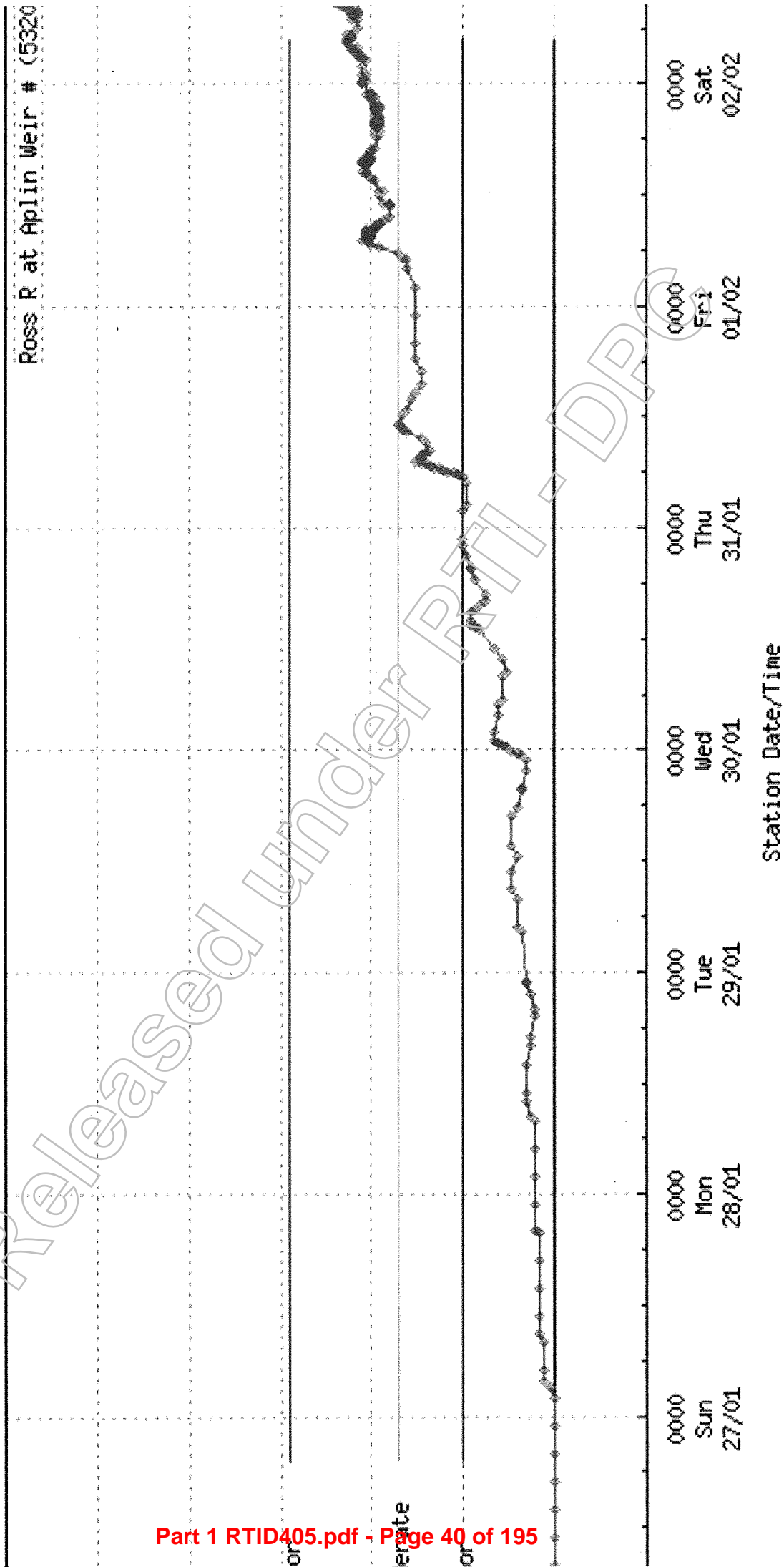
Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au



Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900
Minor: 1.00 Moderate: 1.70 Major: 2.90

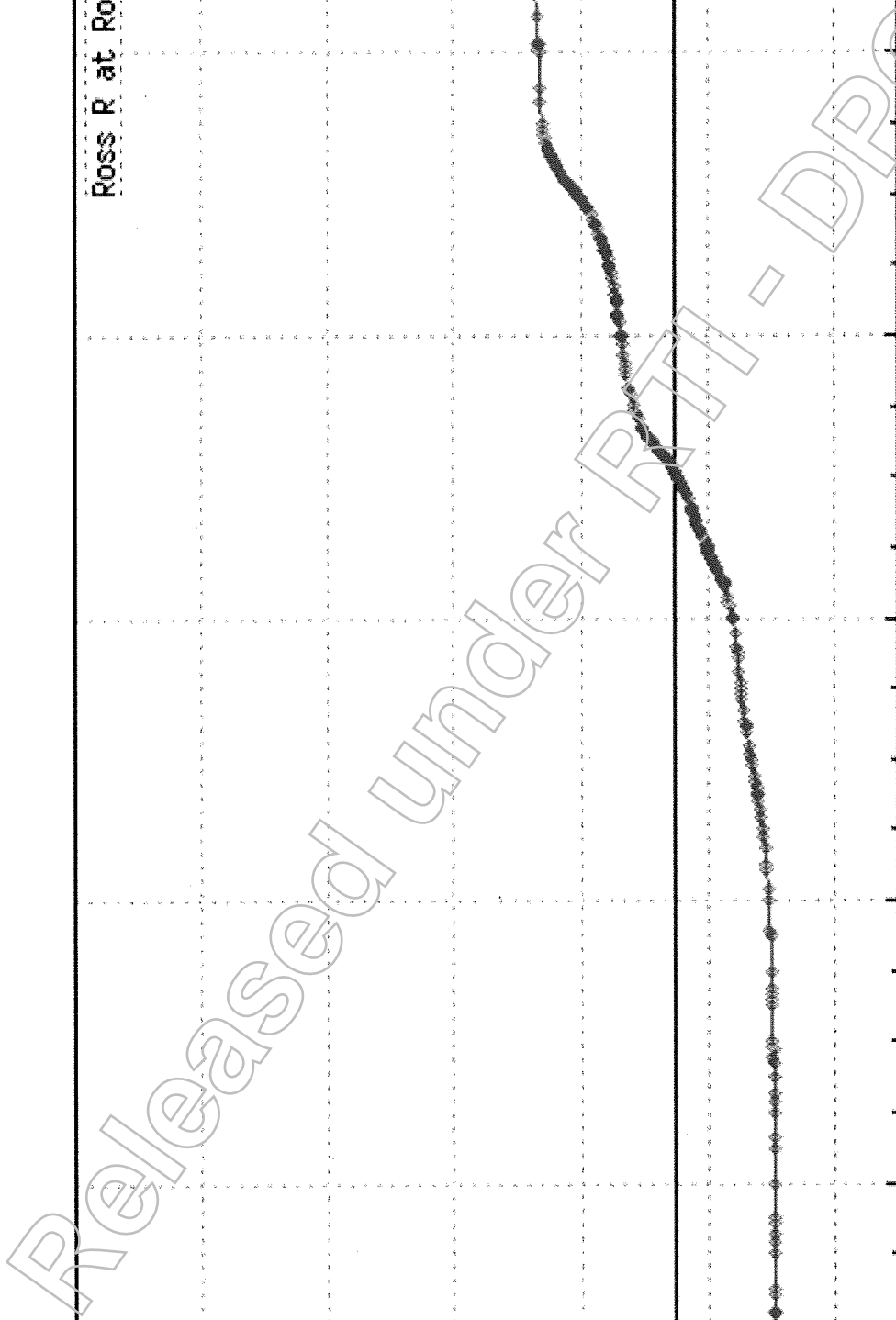
the previous 7 days.



Station Number: 532020 Name: Ross R at Ross River Dam # Owner: TCC:118801

previous 7 days.

Ross R at Ross River Dam # (5320)



Station Date/Time

Key Messaging

Report Time

02/02/2019 06:30

Report ID

R13143321

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- An active monsoon continues to produce significant rainfall in north Queensland. The monsoon trough extends from the the north tropical coast in the Ingham area westward to a tropical low over the northern North West district.
- Heavy rainfall and flash flooding remains a high risk about parts of northern Queensland. Damaging winds possible in the northwest.
- The monsoon trough is expected to remain active into next week, with further heavy rainfall expected for already saturated catchments between about Cairns and Bowen. The potential for significant and dangerous flash flooding will likely continue into next week.
- Heavy rainfall, which may lead to localised flash flooding, is expected over parts of the Gulf Country, North West and Northern Goldfields and Upper Flinders districts during Saturday. Six-hourly rainfall totals of 75 to 125mm are possible, with locally higher totals with bands of thunderstorms. Isolated damaging wind gusts are also possible with thunderstorms within the warning area.
- Locations which may be affected include Charters Towers, Georgetown, Croydon, Camooweal, Mount Isa, Cloncurry, Julia Creek, Richmond, Urandangi, Normanton and Kowanyama.
- A Disaster Declaration has been approved for the Council areas of Burdekin, Cairns, Cook, Douglas, Hope Vale, Townsville, Whitsunday and Wajal Wujal.
- Ross River Dam has reached capacity and the spillway gates are now open. A number of rivers across North Queensland are expected to reach major or record flood levels.
- Flood warnings current for the Ross River, Haughton River, Burdekin River and Don River. A number of major Flood Warnings are current for this region. Refer to <http://www.bom.gov.au/qld/warnings/> for details. It can be extremely dangerous on the roads in the affected areas. Flash flooding is a risk. Motorists are reminded to drive to the conditions. The message is simple: **If it's flooded, forget it.**
- Flooding in North Queensland resulted in major road closures, including the Bruce Highway. For other key road closures and to keep up-to-date with conditions, visit qldtraffic.qld.gov.au.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).

Sub Issue

Safety

- Emergency alerts have been issued to residents in areas including Giru, Alligator Creek, Nome, Julago, Black River, Bluewater, Beach Holm, Yabulu, Toolakea, Cluden, Rosslea, Hermit Park, Oonoonba, Idalia, Railway Estate, Bohle River, Saunders Creek, Stoney Creek, Deeragun, Jensen, Burdell, Condon, Rassmussen, Kelso and Kirwan. Messages advise of anticipated heavy rainfall and advise residents to head to higher ground.



Key Messaging

- More than 30 Swift Water Rescue firefighters have been deployed to the Hinchinbrook, Townsville, Burdekin and Ayr areas.
- The State Emergency Service (SES) received more than 300 requests for assistance in the past 24 hours to 5am. Most of these were for the Townsville area and included requests to supply sandbags and tarps.
- The SES is supplying approximately 20,000 sandbags to Townsville in anticipation of further heavy rainfall and increased flooding in the coming days.
- Some residents in Cluden, Rosslea, Hermit Park, Oonoonba, Idalia and Railway Estate were impacted by rises in the Ross River yesterday afternoon and QFES swiftwater teams assisted with relocating residents in these areas.
- Police have completed door knocking properties in Cluden, Rosslea, Hermit Park, Oonoonba, Idalia and Railway Estate.
- Extra emergency services personnel, including paramedics and swift water rescue firefighters, have been deployed to affected areas
- About 50 homes have been assessed for damage by floodwater in the Bluewater area and this number could rise in the coming days.
- Four people are currently stranded but safe near Middleton after being trapped by the flooded Diamantina River. It is expected that the group will be retrieved today.

Health

- The water supply on Palm Island is impacted by tepidity and has been shut off as a 24-hour measure until treatment and balances are checked. This is not expected to cause a significant impact at this stage.

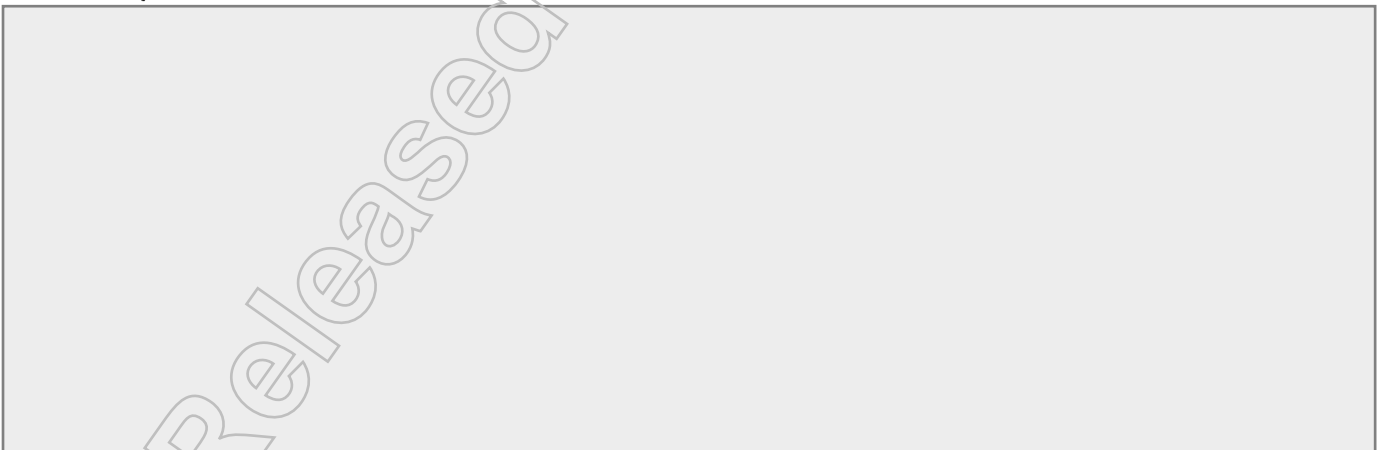
General Advice

- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor.
- Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- It is important residents avoid water activities until local councils can confirm water quality is safe again.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.
- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Look out for snakes and spiders as they may have moved to drier ground.
- If you have lost power, the food in your fridges and freezers may have been impacted. Keep fridge and freezer doors closed for as long as possible – the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood damaged foods.
- When it comes to food safety, always remember that if in doubt, throw it out.
-

Transport



Closure of public facilities



Community recovery

- A community recovery pop-up hub operated yesterday (Friday 1 February) at the Indigenous Knowledge Centre, Hartwig Street, Wujal Wujal.
- Preparations are being made to establish Community Recovery Hubs in Townsville.



Key Messaging

- Ready Reserves have been deployed, and will continue to be deployed, to affected areas.
- Statewide, more than 124 staff are working on the community recovery operation.
- Queensland Reconstruction Authority (QRA) Regional Liaison Officers (RLOs) are in contact with councils and are providing advice and support on recovery processes and options.
- RLOs are also working to help prepare councils that are likely to be in the path of the further rainfall and resultant flooding.

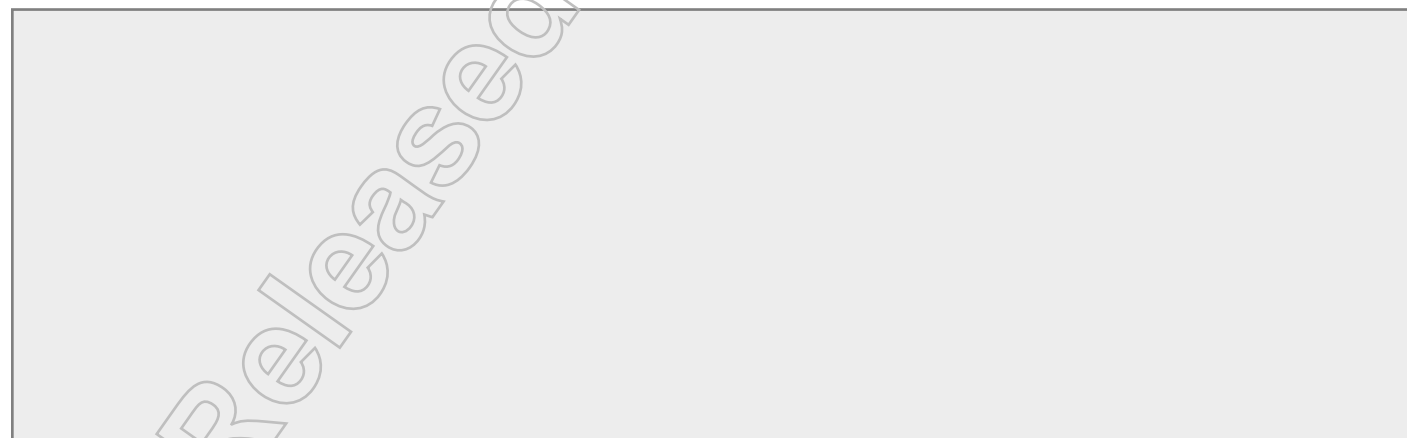
Funding assistance

- Emergency funding assistance is now available to residents in:
- **Douglas Shire Council:** Daintree; Upper Daintree; Lower Daintree, Degarra; Stewart Creek Valley and other targeted locations.
- **Townsville City Council:** Bluewater, Black River, Toolakea, Alligator Creek, Norne and Julago.
- **Cook Shire Council:** Bloomfield (including Ayton); Rossville (including Shiptons Flat); and
- Wujal Wujal Aboriginal Shire Council.
- These grants, of up to \$180 per person, to a maximum of \$900 for a family of five or more, are available to people experiencing genuine financial hardship as a result of this weather event. To date, more than 60 applications have been received.
- People who are distressed or experiencing hardship due to the flooding can contact the Community Recovery Hotline on 1800 173 349.
- To date, more than 250 calls have been received by the Community Recovery Hotline.

Emergency housing

- The government's Temporary Emergency Accommodation Plan has been activated to support displaced residents. People affected by the floods who need emergency housing can register by calling 13QGOV (13 74 68) or through www.hpw.qld.gov.au.

Agriculture



Electrical safety

- Make sure you know where to turn off your power, gas and water supply in an emergency.
- If you've lost power, turn off your power points and unplug electrical equipment.

Key Messaging

- If flood waters are expected, switch off and unplug electrical equipment, then move it to higher locations.
- Unplug outside TVs and non-fixed aerials and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity supplier.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that may be lying around your house.
- If you've lost power, contact your local electrical supplier who should be able to advise when power will be re-connected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.
- If your property or connecting line has been damaged by a storm or flood, you may need verification tests on your switchboard, wiring, equipment and appliances to be carried out prior to reconnection to ensure the electrical circuits are still sound. An electrical contractor will need to perform this task and a certificate of test will ensure your local electricity supplier can reconnect your service.
- Do not do your own electrical work, it's illegal and dangerous. Always use a licensed electrical contractor to do all your electrical work. Check your electrician is licensed using the Electrical Licence Search (ELIS).

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as kettles, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be re-connected.
- Power from generators can be dangerous if incorrectly managed.
- Connect your generator to your house electrical wiring using a generator change-over switch and appropriate socket. These switches must be installed by a licensed electrical contractor.
- Do not connect your generator to your house using a power point on a power circuit or any other connection point. This can cause dangerous 'back-feeding'.
- Ensure all leads used to connect your generator are in good working order.
- Use power boards with an overload cut-out switch.
- Run the generator outdoors or in a well-ventilated area.
- Do not exceed the generator's load rating, and follow the manufacturer's instructions.

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If your solar PV system has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.

Key Messaging

- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at: <https://www.ditid.qld.gov.au/tourism/tourism-planning>.

Hot Issues

If asked about the fake text message:

- The Townsville Local Disaster Management Group (TLDMG) would like to advise residents to ignore a fake text message claiming the Ross River Dam is at risk due to the rain event.
- At 15:22 yesterday (Friday 1 February 2019) an anonymous text message was sent to residents in suburbs surrounding Ross River to South Townsville advising that the Ross River Dam wall was likely to fail and that residents should move to higher ground.
- Police are actively investigating the source of the fake text message.
- Advice from the Townsville Local Disaster Management Group (TLDMG) includes that the Ross River Dam spillway gates were further opened yesterday morning to reduce the risk of significant downstream flooding if further rain occurs over the dam catchment is coming days.
- TLDMG Chair, Mayor Jenny Hill said the decision to open the spillway was made using expert advice to reduce the risk of flood impacts for downstream areas.
- Mayor Jenny Hill has advised that Council recently tested the dam spillway gates and they passed with flying colours.

Approval

Prepared	Breda Wall - Coordinator	02/02/2019 06:25
Endorsed	Breda Wall - Coordinator	02/02/2019 06:25
Approved	Fiona Fergus - Coordinator	02/02/2019 06:54

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Saturday, 2 February 2019 6:22 AM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Hervey Range 0603.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland
Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek
Issued at 5:52 am EST on Saturday 2 February 2019
Flood Warning Number: 22

Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are steady and currently below the minor flood level.

The Ross River at Aplin Weir is currently at 2.26 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during the weekend. This prediction is based on forecast rainfall.

Bohle River:

Moderate flood levels continue to ease along the Bohle River during Friday

evening.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to now be below the major flood level of 7.0 metres. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Saturday morning. Fast renewed rises are expected if heavy rainfall moves back into the catchment areas.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are currently steady and remain below the minor flood level. Fast renewed rises are expected if heavy rainfall moves back into the catchment areas.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 08:30 am EST on Saturday 02 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.69, Rising, 05:28 AM SAT 02/02/19
Bohle R at Hervey Range Rd Alert, 5.80, Steady, 05:23 AM SAT 02/02/19
Bohle R at Hervey Range Rd TM, 5.77, Steady, 04:22 AM SAT 02/02/19
Bohle R at Dalrymple Rd Alert, 9.39, Falling, 04:54 AM SAT 02/02/19
Black R upstream Bruce Hwy Alert, 4.24, Rising, 05:18 AM SAT 02/02/19
Black R upstream Bruce Hwy TM, 2.80, Steady, 04:26 AM SAT 02/02/19
Bluewater Ck at Bluewater Alert, 5.73, Rising, 05:18 AM SAT 02/02/19
Bluewater Ck at Bluewater TM, 3.77, Rising, 04:20 AM SAT 02/02/19
Ross R at Ross River Dam Alert, 41.51, Rising, 05:19 AM SAT 02/02/19
Ross R at Black Weir (Riverway) Alert, 1.70, Rising, 03:50 AM SAT 02/02/19
Ross R at Aplin Weir Alert, 2.26, Rising, 05:27 AM SAT 02/02/19
Ross R at Rooneys Bridge Alert, 3.70, Rising, 05:18 AM SAT 02/02/19
Townsville Harbour Tide Alert, 2.20, Steady, 05:25 AM SAT 02/02/19
Townsville Harbour Tide TM, 2.02, Steady, 04:56 AM SAT 02/02/19
Cape Ferguson Tide TM, 1.97, Rising, 04:53 AM SAT 02/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

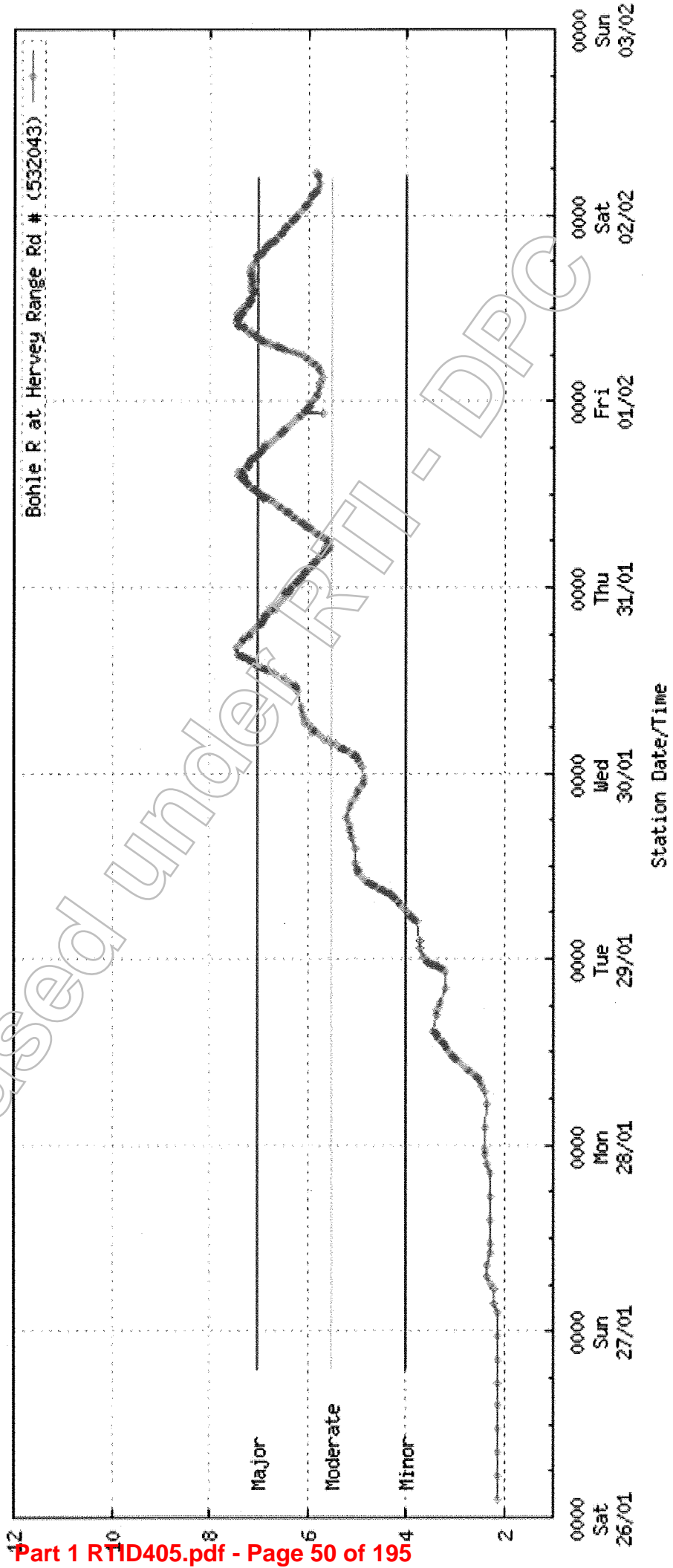
Latest River Heights for Bohle R at Hervey Range Rd

Issued at 5:41 am EST Saturday 2 February 2019

[About river height plots](#) | [About this Plot](#)

Station details: Station Number: 532043 Name: Bohle R at Hervey Range Rd # Owner: TCC:118907
Flood levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

Data from the previous 7 days.



Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Friday, 1 February 2019 8:55 AM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Ross River at Alpin Weir.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland
TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 8:24 am EST on Friday 1 February 2019

Flood Warning Number: 16

Record flood levels are currently being recorded in the Ross River at Aplin Weir. Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Heavy rainfall up to 70 mm/hr has been recorded across parts of the Ross, Bohle, Black and Bluewater catchments. Further areas of heavy rainfall are forecast to continue across the warning area during the next few days as the monsoon trough remains active over northern Queensland.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are rising and currently below the minor flood level.

The Ross River at Aplin Weir is currently at 1.96 metres and steady, with moderate flooding. The river level at Aplin Weir is currently above the record flood level, exceeding the previous record of 1.77 metres from 1998. The Ross River at Aplin Weir may reach the major flood level (2.90 m) during the weekend.

Bohle River:

Major flooding is expected along the Bohle River during Friday.

No observations are currently available for the Bohle River at Mt Bohle, but moderate flood levels and renewed rises are expected to be occurring. Renewed rises will keep the Bohle River at Mt Bohle above the moderate flood level (5.50 m) during Friday. Higher levels are possible, but dependent on further

heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek have both peaked and are starting to fall following renewed rises overnight. Renewed flooding is possible during Friday, but is dependent on further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 11:00 am EST on Friday 01 February 2019.

Latest River Heights:

Bohle R at Hervey Range Rd Alert, 7.05, Rising, 08:15 AM FRI 01/02/19

Bohle R at Dalrymple Rd Alert, 10.29, Rising, 08:16 AM FRI 01/02/19

Black R upstream Bruce Hwy Alert, 4.24, Falling, 08:18 AM FRI 01/02/19

Bluewater Ck at Bluewater Alert, 6.18, Falling, 08:18 AM FRI 01/02/19

Ross R at Ross River Dam Alert, 40.93, Rising, 08:11 AM FRI 01/02/19

Ross R at Black Weir (Riverway) Alert, 1.45, Falling, 08:12 AM FRI 01/02/19

Ross R at Aplin Weir Alert, 1.96, Steady, 08:20 AM FRI 01/02/19

Ross R at Rooneys Bridge Alert, 3.40, Rising, 08:06 AM FRI 01/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: [REDACTED]
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Fast River Heights for Ross R at Aplin Weir

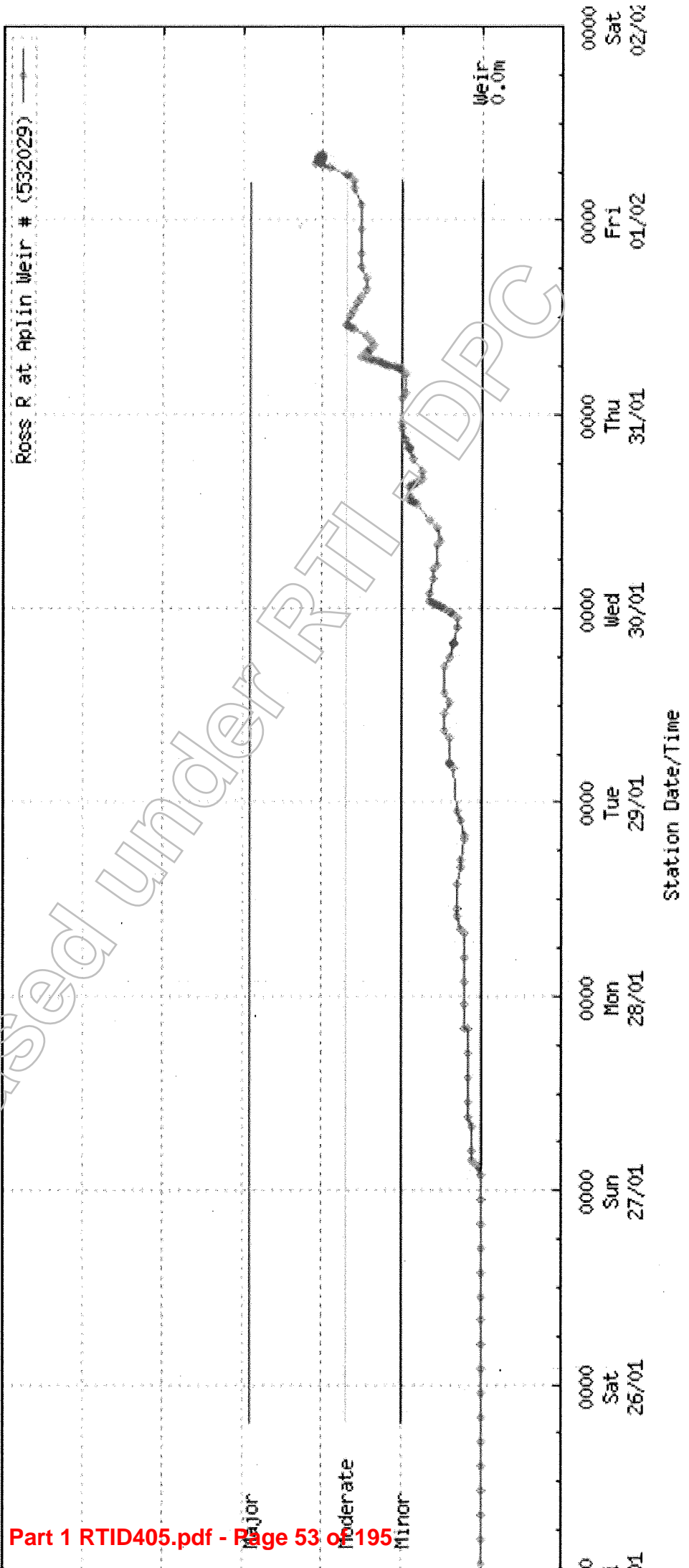
at 8:12 am EST Friday 1 February 2019

[View river height plots](#) | [About this Plot](#)

details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900

levels: Minor: 1.00 Moderates: 1.70 Major: 2.90

from the previous 7 days.





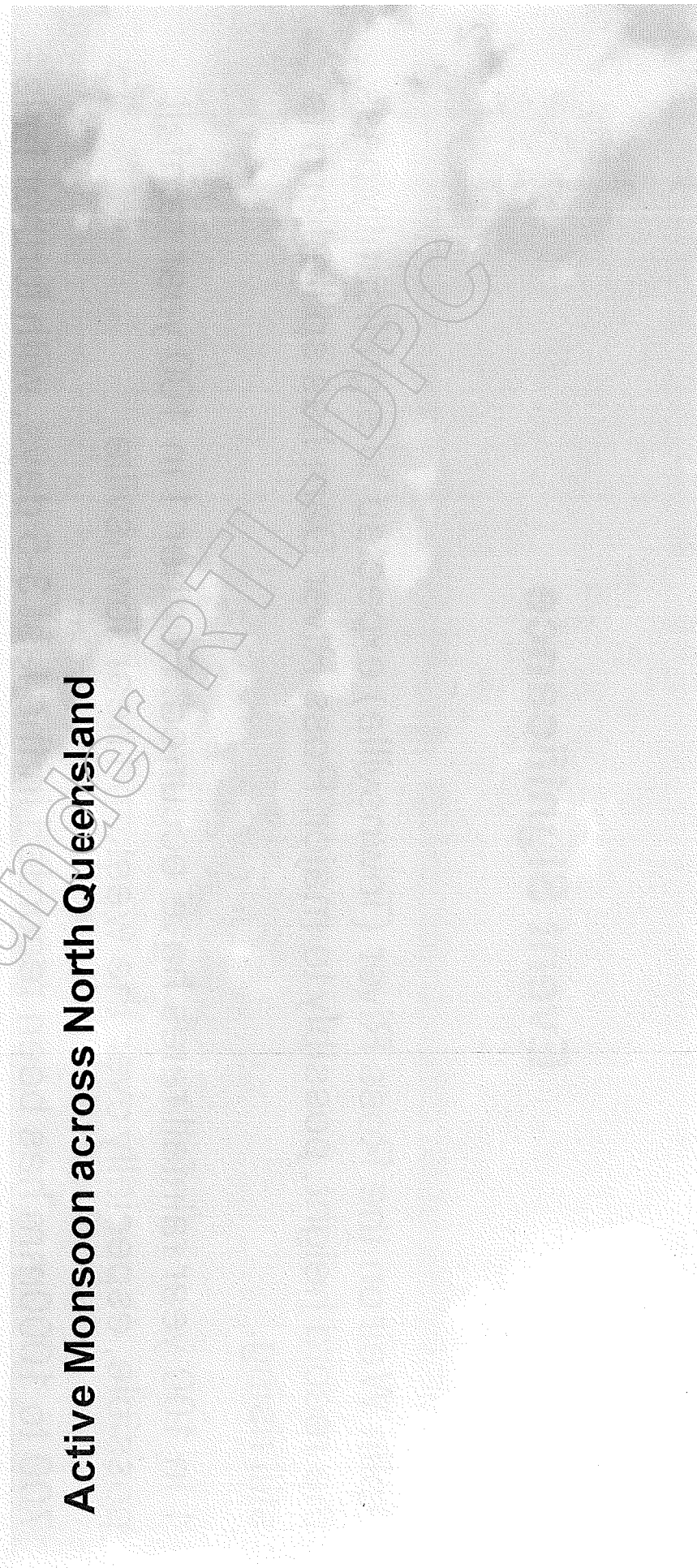
Australian Government
Bureau of Meteorology

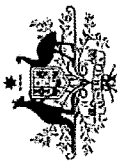


Severe Weather Briefing

Friday, 1st February 2019

Active Monsoon across North Queensland





Event Significance

- Aplin Weir on the Ross River (Townsville) expected to significantly pass the record height, possibly to major. Ross River Dam has spilled and is still rising.
- 1 in 100 year rainfall rates have occurred. Further 1 in 100 year rainfall possible, especially over the weekend near Townsville.
- 700 to 1000mm has been recorded in the last 3-5 days, with further falls of 1-2m possible around Townsville and the Herbert and Lower Burdekin district in the next 7 days. Townsville annual average rainfall is ~1100mm.
- Flash flooding remains a significant risk.



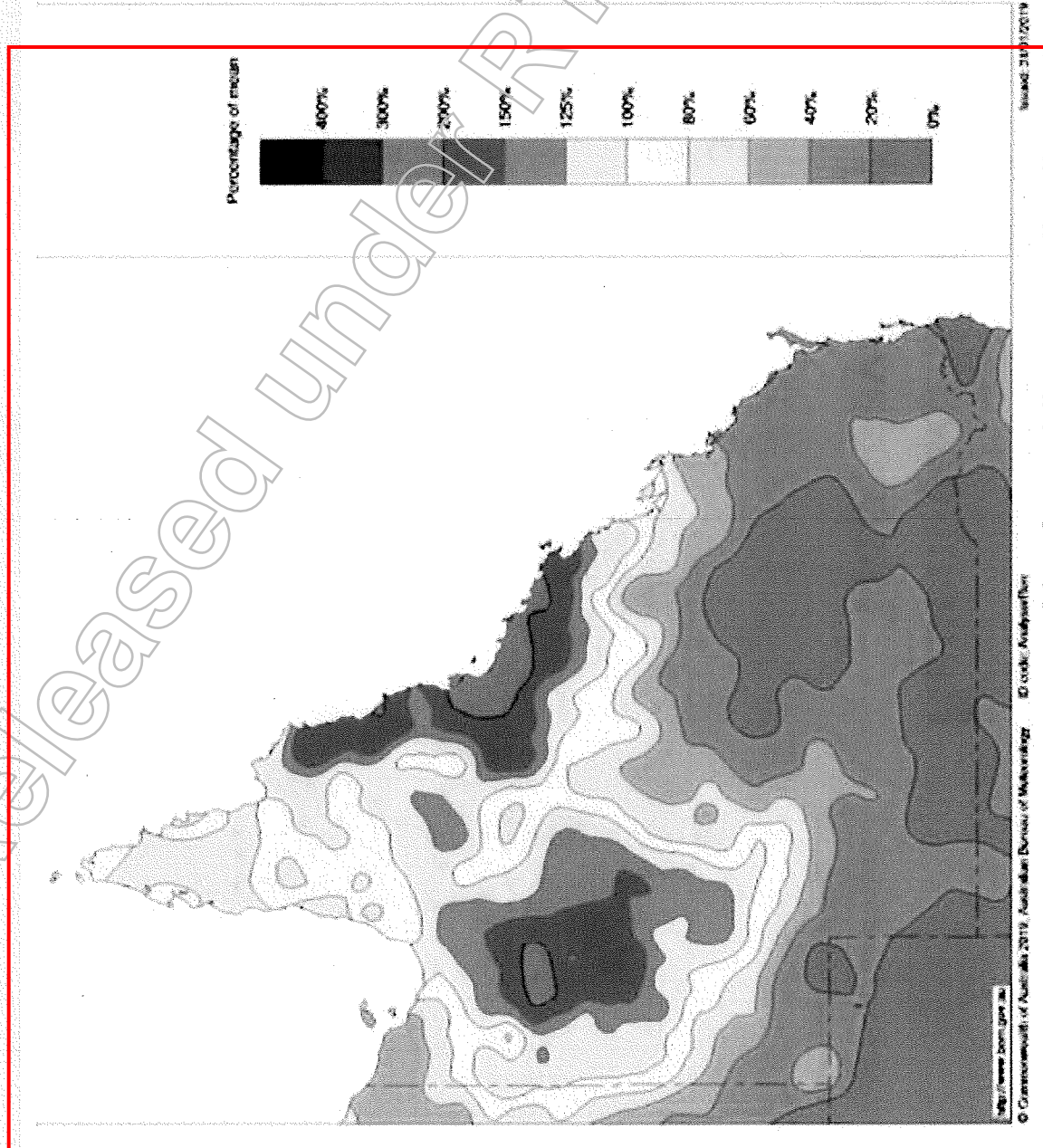
Australian Government
Bureau of Meteorology

Event Significance



3

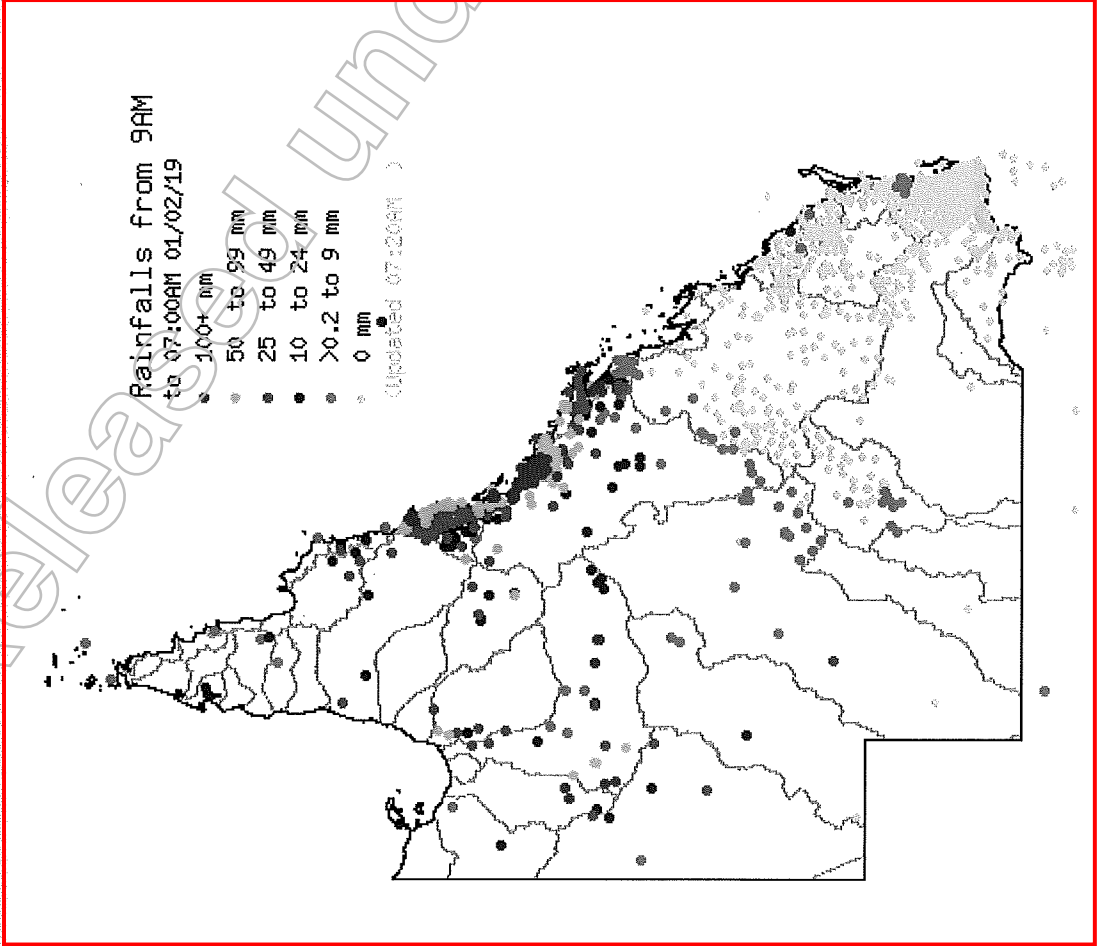
- Observed (Dec-Feb) and Forecast Rainfall compared to Summer Averages



Not for public or media dissemination



Recent conditions –9am to 7am Thursday/Friday Rainfall

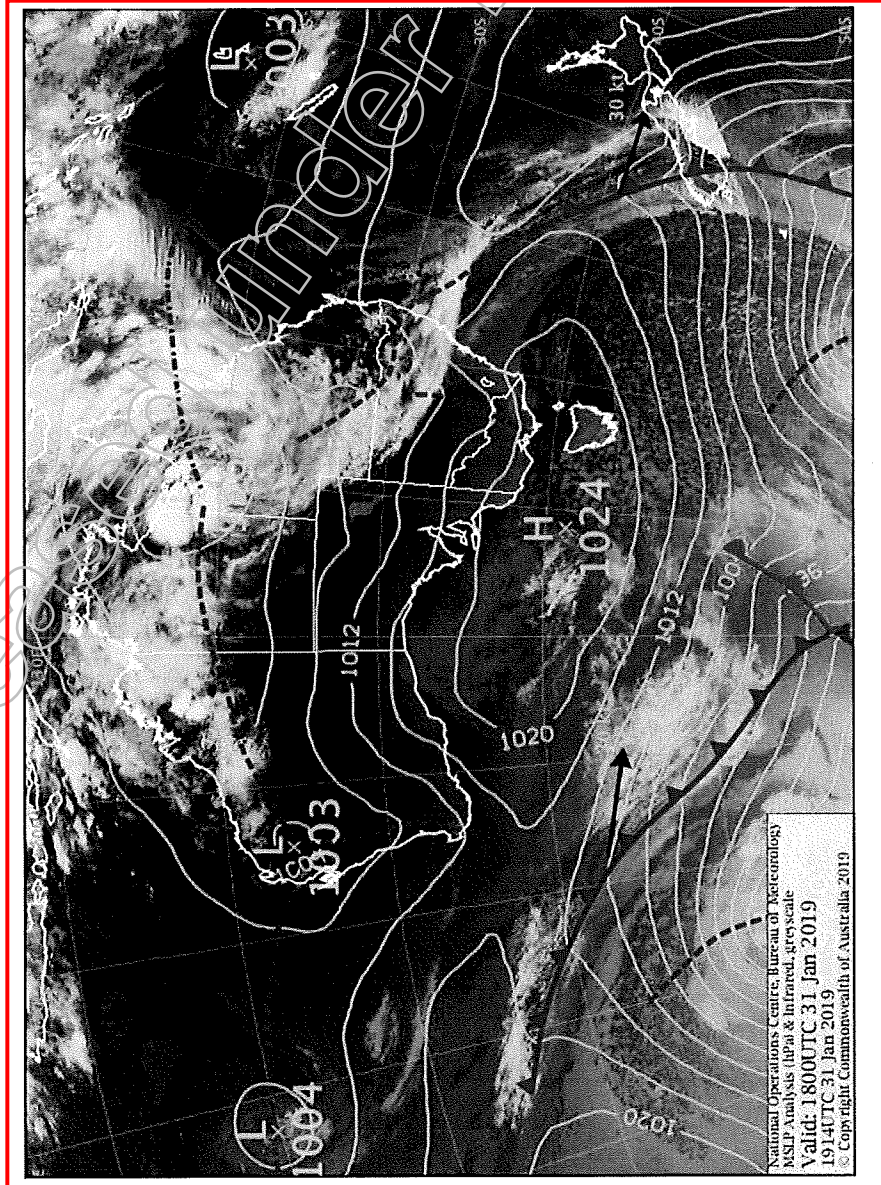


- 300mm+ on Bluewater Ck and Black River
 - 956mm in 72 hours to 7am (1 in 100 year event!)
- 251mm at Miranda Creek (north of Mount Isa), 149mm of this in 6 hours to 6am today.
- 212mm at Townsville
- 127mm at Cairns
- 168mm at Sandy Plateau
 - 1020mm in 72 hours to 7am (1 in 100 year event)



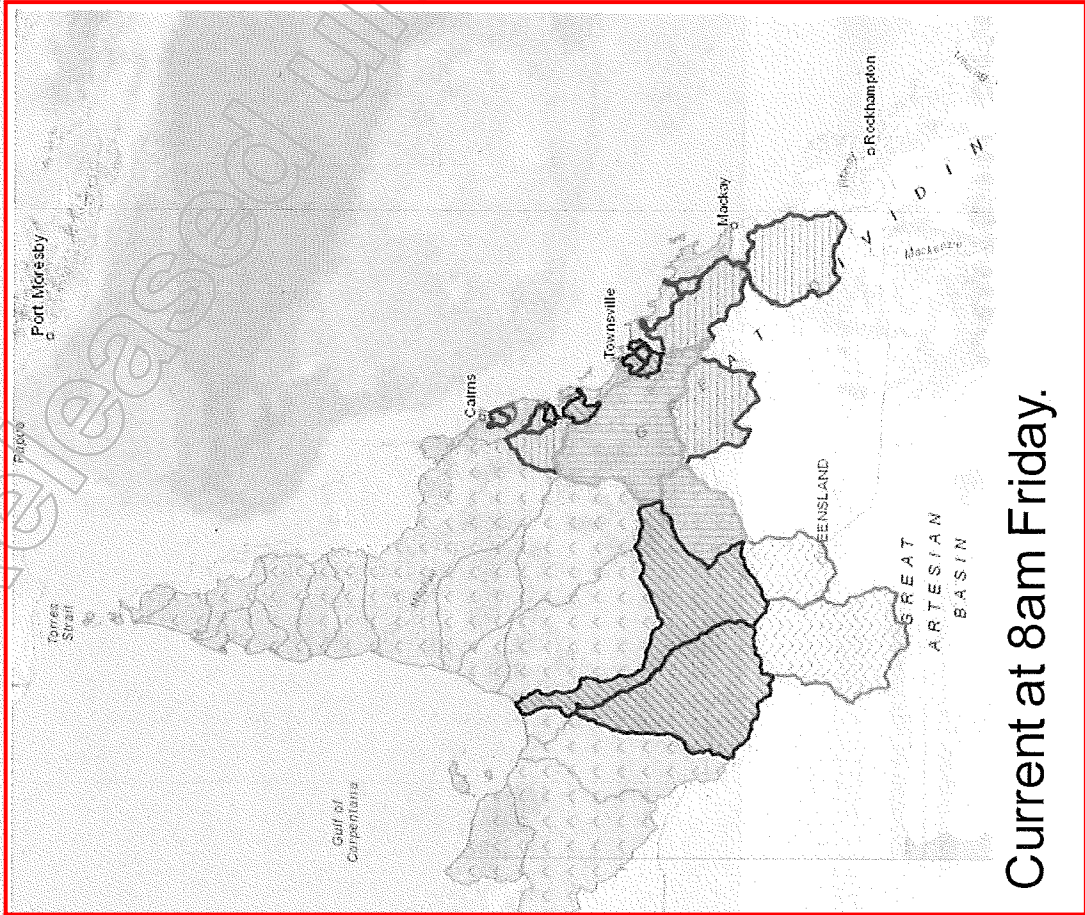
Current situation - satellite

- Active monsoon across north Queensland causing showers and thunderstorms across a large area.
- Tropical low has deepened, with heavy rain around the system (northwest Queensland).
- Monsoon trough near Cardwell, with the heaviest rainfall to the south.
- Renewed monsoon burst in northern Gulf/Torres Strait.





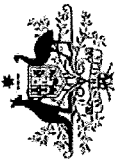
Flood Watches/Warnings



Current at 8am Friday.

- Possible record heights on the Ross River, through Townsville area today. Major for the Ross and Bohle Rivers (around Townsville).
- Major flood warnings for Haughton, Herbert, Murray and Flinders and Cloncurry Rivers.
- Moderate for Tully and Burdekin Rivers.
- Minor for Don, Isaac, Mulgrave-Russell. Flood warning for Diamantina.
- Flood watch also current for possible further moderate to major flooding.

Not for public or media dissemination

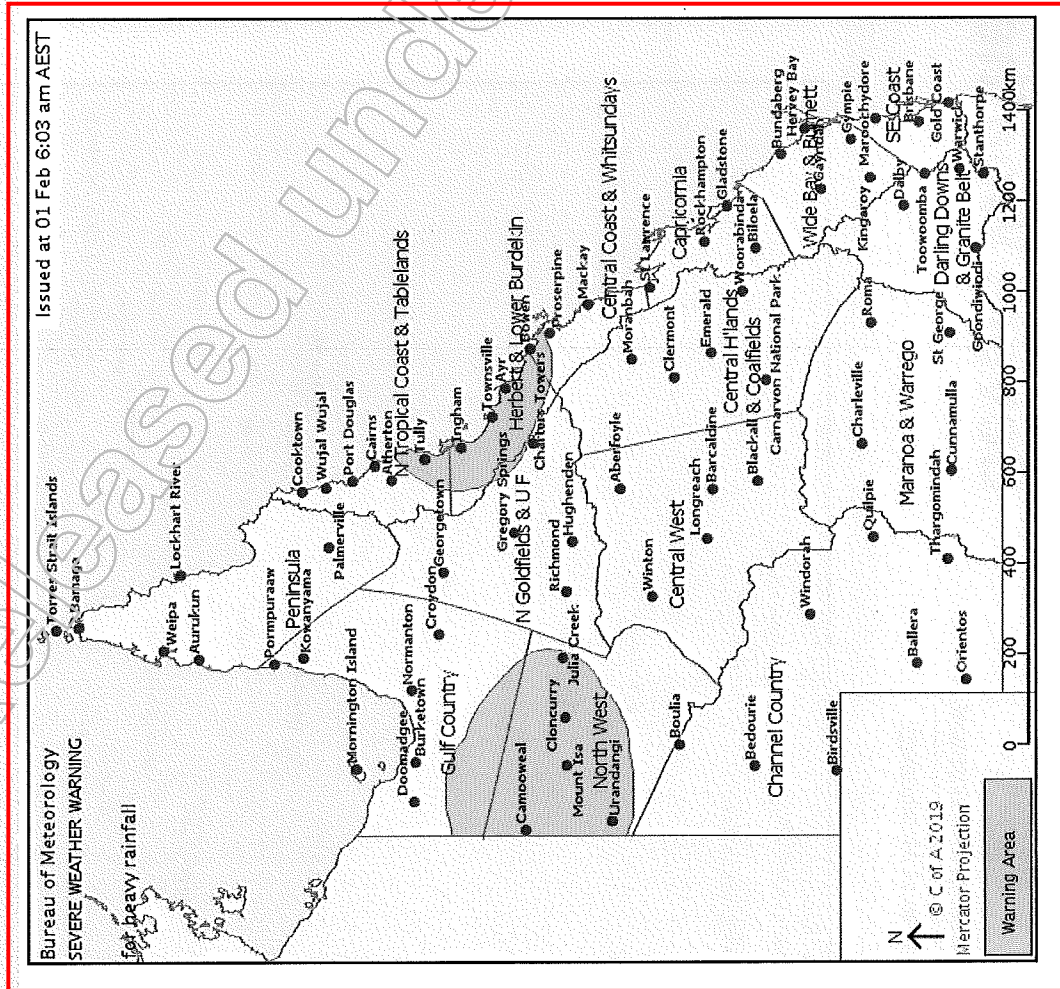


Australian Government
Bureau of Meteorology



Severe Weather Warning

7



- The monsoon trough is expected to remain slow-moving across north Queensland for several days.
- Bands of heavy rainfall and thunderstorms are likely on the eastern tropical coast between Innisfail and Bowen. Six hourly totals of 150-200mm are considered likely.
- Heavy rainfall due to tropical low through northwest, with 75 to 125mm possible over 6-hourly periods.

Current at 6:03am Friday.

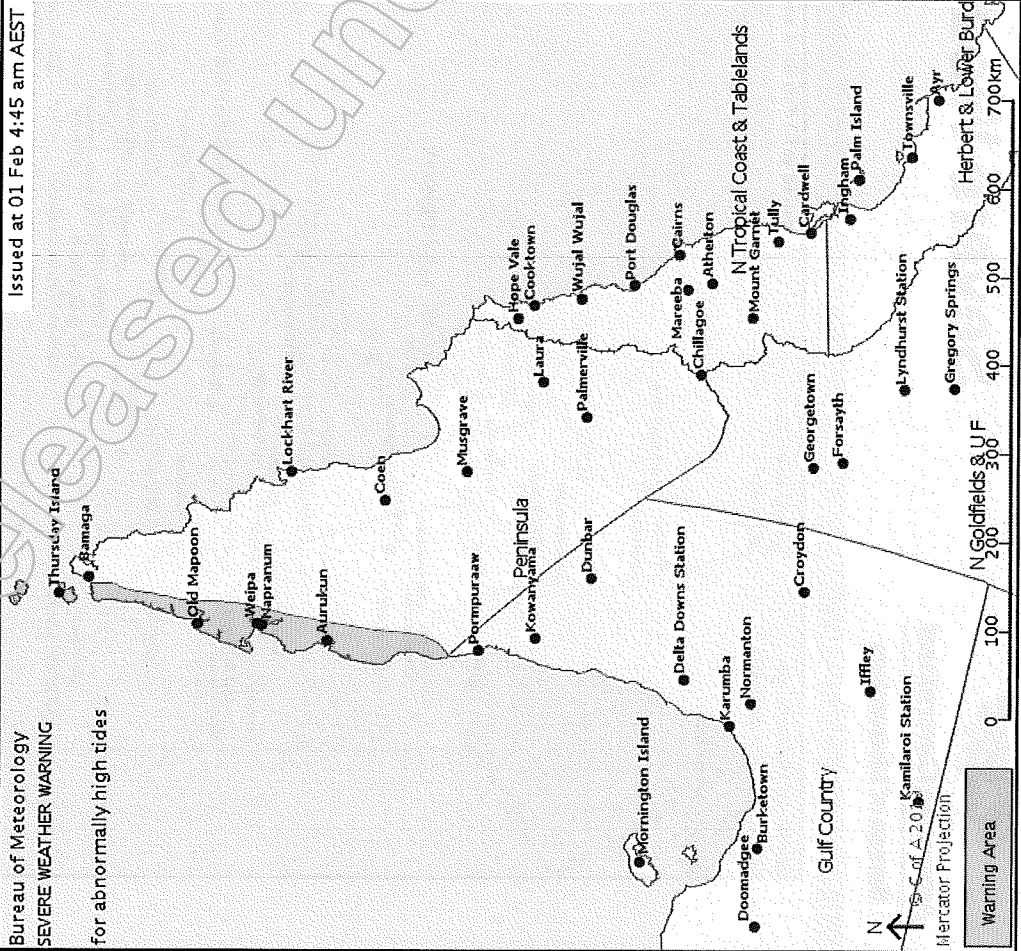
Not for public or media dissemination



Australian Government
Bureau of Meteorology



Severe Weather Warning 2



Current at 4:45am Friday.

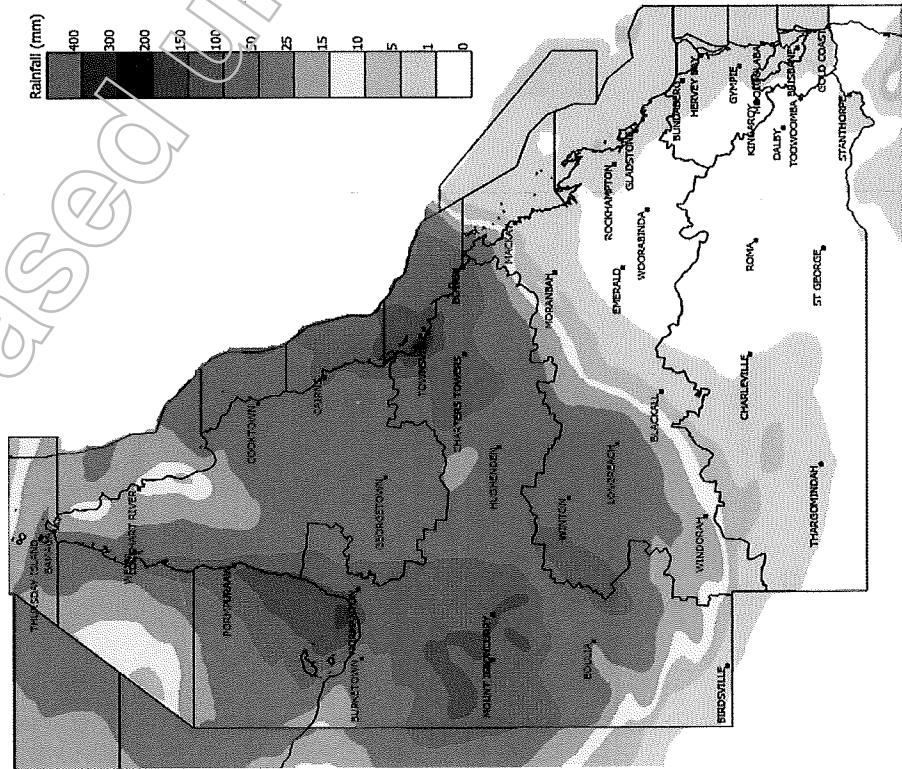
- A tropical low on the monsoon trough over northwest Queensland during the next few days.
- Strong to gale force west to northwesterly monsoonal wind flow to extend through the Gulf of Carpentaria and Torres Strait waters.
- Water levels on the high tide could exceed HAT for parts of the west coast of Cape York Peninsula and for Torres Strait Islands over coming days.

Not for public or media dissemination

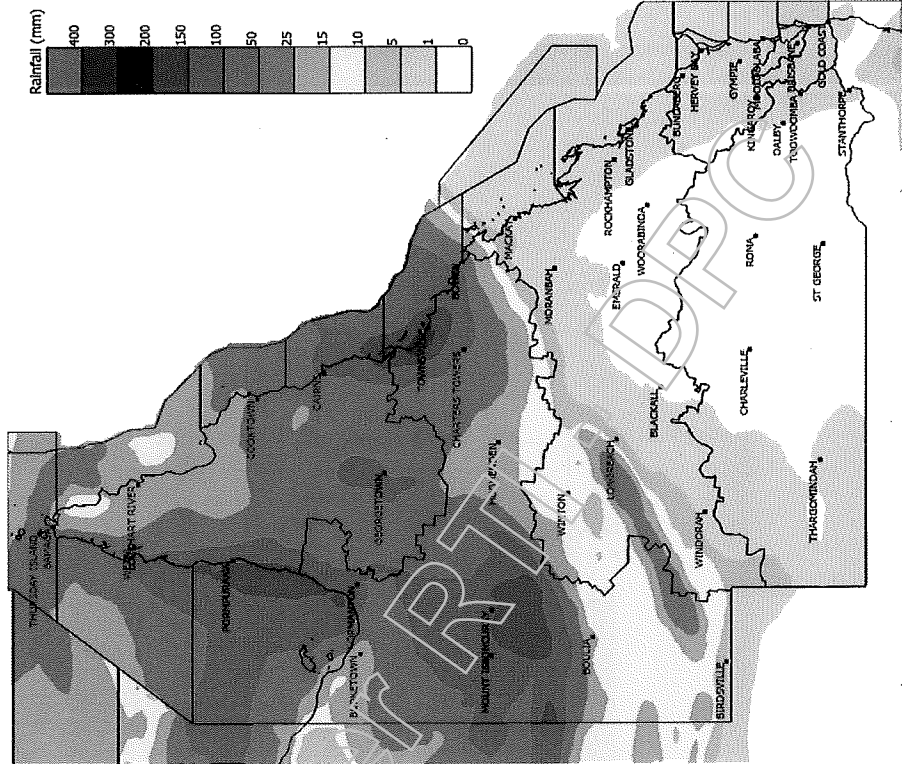


Australian Government
Bureau of Meteorology

Forecast conditions – Rainfall (Fri/Sat)



Friday



Saturday

Not for public or media dissemination

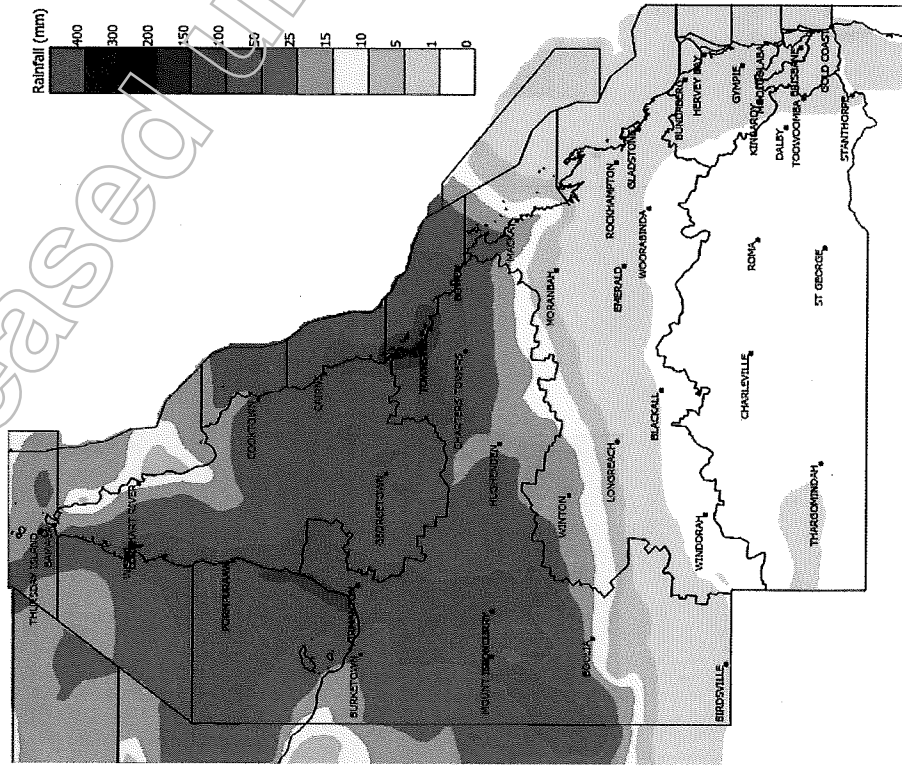


Australian Government
Bureau of Meteorology

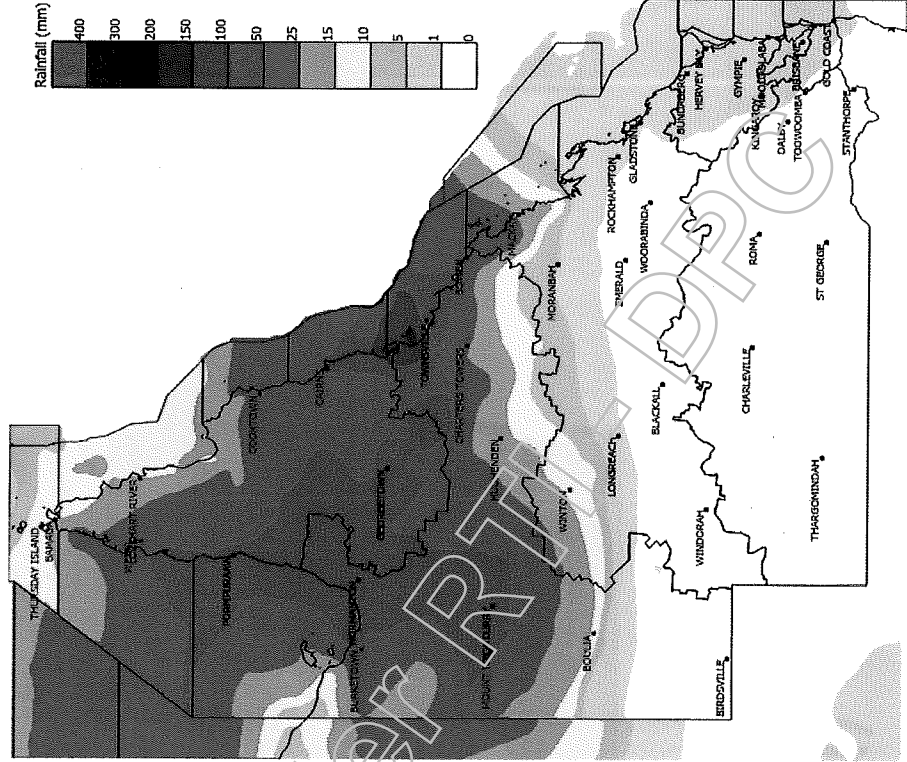
Forecast conditions – Rainfall (Sun/Mon)



10



Sunday



Monday

Not for public or media dissemination

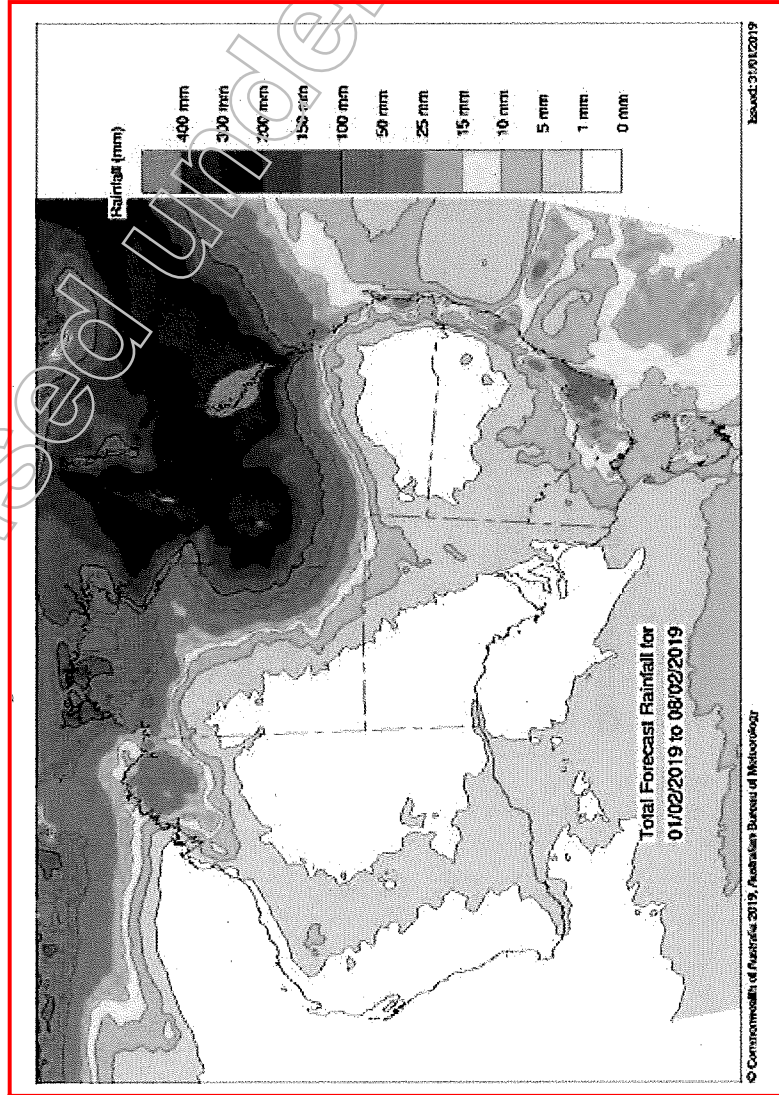


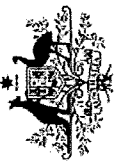
Australian Government
Bureau of Meteorology



Forecast conditions – 8 day rainfall

- 1000mm+ (1m+) in areas across the northeast tropics (especially between Innisfail and Bowen) across the next 7 days. **More major flooding and flash flooding possible with this rainfall.**
- 100-200mm per day likely in Gulf/Peninsula/North West districts. Heaviest expected Friday to Sunday.
- 50-100mm per day in areas across northern and central inland. Most likely north and northwest of Longreach.





Australian Government

Bureau of Meteorology

Forecast conditions – Fire Danger



12

Queensland Fire Danger Ratings

Issued at 4:00 pm EST on Thursday 31 January 2019.

District	Friday	Saturday	Sunday	Monday
Peninsula	Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate
Gulf Country	Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate
Northern Goldfields and Upper Flinders	Low-Moderate	High	High	Low-Moderate
North Tropical Coast and Tablelands	Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate
Herbert and Lower Burdekin	Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate
Central Coast and Whitsundays	Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate
Capricornia	High	High	High	High
Central Highlands and Coalfields	Very High	High	High	High
Central West	Low-Moderate	High	High	High
North West	Low-Moderate	High	High	High
Channel Country	Low-Moderate	High	High	High
Maranoa and Warrego	Very High	Very High	High	Very High
Darling Downs and Granite Belt	Very High	Very High	Very High	Very High
Wide Bay and Burnett	Very High	High	High	High
Southeast Coast	High	High	High	High

Not for public or media dissemination



Key messages



- Exceptional rainfall/flooding event over northern QLD with active monsoon.
- **Record flood heights on the Ross River likely over the weekend, through Townsville area.**
- 700 to 1000mm has been recorded in the last 3-5 days, with further falls of 1-2m possible around Townsville and the Herbert and Lower Burdekin district in the next 7 days.
- More major flooding and **flash flooding likely** with this rainfall.
- Major flood warnings for Ross, Haughton, Bohle, Herbert, Murray and Flinders and Cloncurry Rivers.
- Other riverine flooding is occurring, and further possible with a large flood watch current. This includes the possibility of further moderate to major flooding.

Weather Outlook

Issued at 1000hrs Friday, 1 February 2019

Forecast District	Friday	Saturday	Sunday	Monday	Tuesday
Peninsula					
Gulf Country					
Northern Goldfields & Upper Flinders					
Northern Tropical Coast & Tablelands					
Herbert & Lower Burdekin					
Central Coast & Whitsundays					
Capricornia					
Central Highlands & Coalfields					
Central West					
North West					
Channel Country					
Maranoa & Warrego					
Darling Downs & Granite Belt					
Wide Bay & Burnett					
Southeast Coast					

Severe weather event possible (Light grey background)

Severe weather event likely (Dark grey background)

"High End" Severe weather event likely (Black background)

Possible Tropical Cyclone Impacts (Category 1 – 2)

Possible Severe Tropical Cyclone Impacts (Category 3 – 5)

Potential Severe Thunderstorms

Potential Severe Heatwave

Potential heavy rain event (excluding Thunderstorms/Cyclones)

Potential severe wind event (excluding Thunderstorms/Cyclones)

Flood Watch possible/expected or riverine flooding predicted.

Potential for abnormally high tides, leading to a total water level above HAT

A severe weather event is indicative of wind gusts in excess of 90 km/h, hail larger than 2cm or heavy rainfall likely to lead to flooding or flash flooding. A "high end" severe weather event is indicative of likely widespread wind gusts in excess of 125 km/h, hail larger than 4cm or extreme rainfall likely to lead to significant flooding or flash flooding.

Weather Outlook

Weather situation

- Monsoonal conditions and a deep tropical low across north Queensland continue to produce severe weather, with flooding and heavy rainfall the greatest threat.
- In the Herbert and Lower Burdekin district, there is the significant risk of 1 in 50 year rainfall rates (~150 to 200mm in 3 hours) across the weekend. This type of rainfall could lead to the use of the Emergency Weather Alert (EWA) and/or Standard Emergency Warning Signal (SEWS). Rainfall totals of in excess of 250mm are likely, with 300-500mm per day possible in localised areas. **Flash and riverine flooding are a significant risk.**
- For the North Tropical Coast district it is also likely that we will see severe rainfall rates over the coming days. Elsewhere across the northeast tropics, it is possible that heavy rainfall will continue for parts of the Central Coast and Whitsundays, most likely near and north of Proserpine.
- Scattered showers, thunderstorms and rain areas are likely closer to the tropical low across the northwest of the state (i.e. North West and Gulf Country districts). This is expected to cause heavy rainfall at times across large areas of northern Queensland across the coming days due to the monsoonal moisture. Flooding is a significant risk through this area, also.
- Abnormally high tides which may exceed the highest astronomical tide (HAT) are a risk around the time of high tides across the Gulf Coast and Torres Strait, with gale force winds expected at times over the water likely to cause large waves and possible coastal inundation.
- Elsewhere, showers are expected to increase during the next 5-7 days across the east coast, most likely south of Gladstone. Thunderstorms are not expected for the southern east coast of Queensland.

River conditions

- Major for Ross, Haughton, Herbert, Bohle, Murray and Flinders and Cloncurry Rivers.
- Moderate for Tully and Burdekin Rivers.
- Minor for Don, Isaac and Mulgrave-Russell Rivers.
- Flood warning for Diamantina River.
- Flood watch for large parts of northern Queensland and eastern coastal catchments between Mackay and Daintree.

Prepared by

James Thompson – BoM QFES Meteorologist

Next Report

1000hrs Tuesday, 5 February 2019

The Weather Outlook is issued as a supplement to the QEMR each Tuesday and Friday from 1st October to 30th April. The outlook is prepared based on the latest global and local weather models and is designed to give a general overview of potential severe weather events over the coming 5 days. Forecast uncertainty increases with time and not all future events may be covered. The information is prepared by the Bureau of Meteorology forecaster located in the QFES State Disaster Coordination Centre.

This brief is not intended for public or media dissemination.



Weather Outlook

The State Disaster Coordination Centre Watch Desk operates on a 24-hour capability and can be contacted as undersigned for further information. The SDCC Watch Desk is responsible for reporting on emergency and disaster management activities and providing situational awareness to enhance decision making for emergency management, disaster management and senior QFES stakeholders.

State Disaster Coordination Centre
125 Kedron Park Road
Kedron Queensland 4031
Telephone: (07) 3635 2387
Fax: (07) 3357 4682
Email: sdcc@qfes.qld.gov.au

Released under RTI - DPC



Georgia Voutsis

From: NGComms <zeus@id.ngcomms.net> on behalf of CCC
<ccc@ccc.homeaffairs.gov.au>
Sent: Friday, 1 February 2019 11:53 AM
To: Georgia Voutsis
Subject: Notification - MAJOR Flood - Northeast and central areas, Queensland - 01 February 2019 [For Official Use Only]

For Official Use Only



Australian Government

Crisis Coordination Centre

Flood Notification

Incident Details

Flood - Northeast and central areas, Queensland - 01 February 2019

- Flood Warning Level: MAJOR
- Location: Northeast and central areas, Queensland
- Source of Information: Bureau of Meteorology, Queensland Fire and Emergency Services

Additional Information

Heavy rainfall originating from a monsoon low continues to impact northern and central Queensland.

Over the last three to five days, 700-1000 mm has been recorded, with further falls of 1-2 m possible around Townsville and the Herbert and Lower Burdekin district over the next seven days.

Due to severe weather conditions, critical infrastructure across Queensland is currently being impacted. As of today, **Friday 1 February**:

- Forty-two state schools, 20 Catholic and independent schools, and 121 early childhood education and care service centres have been closed
- Road closures are currently impacting parts of the state, particularly the Townsville area;
 - The Bruce Highway is flooded both north and south of Townsville, impacting traffic and supplies into and out of the city. The Flinders Highway and Hervey Range Road are currently open providing alternative access to the area
- There are delays and disruptions to public transport, particularly around the Townsville area
- All school and urban bus services operating in Townsville have been cancelled
- The Townsville Supreme, District and Magistrates Court buildings have been closed.

An Emergency Alert has been issued for the following areas, all located within the vicinity of Townsville:

- Cluden, Rosslea, Hermit Park, Oonoonba, Idalia and Railway Estate
- Black River, Bluewater, Beach Holm, Yabulu and Toolakea

- Alligator Creek, Nome and Julago, and;
- Giru.

Authorities have advised these areas may experience intense rainfall, leading to flash flooding in locations already experiencing elevated water levels.

Coordinated response efforts throughout northeast and central parts of Queensland remain ongoing:

- Forty-four swift/floodwater rescue operators have been deployed to risk areas in the far northern, northern and central regions today, **Friday 1 February**
- An Emergency Management Australia Liaison Officer is being deployed to Queensland this afternoon, **Friday 1 February**
- The Australian Defence Force is assisting the Townsville community in preparation for anticipated inundation
- The Townsville City Council has authorised the release of water from Townsville Dam, as at 1030 hrs AEST
- Several properties have been evacuated in Wulguru, Townsville, this morning, as a result of a landslip
- Authorities have located the 32-year-old male thought to be missing in floodwaters at Giru. Police have reported that he is safe and well.

The following MAJOR and MODERATE flood warnings remain in place across northern and central parts of the state due to the associated severe weather conditions:

- MAJOR flood warnings
 - Flinders and Cloncurry rivers
 - Ross and Bohle rivers
 - Herbert River
 - Murray River
 - Haughton River
- MODERATE flood warnings
 - Tully River
 - Isaac River Catchment

SEVERE weather warnings – primarily relating to heavy rainfall and abnormally high tides – have also been issued for large parts of northern and central Queensland.

Evacuation centres remain open at the following locations:

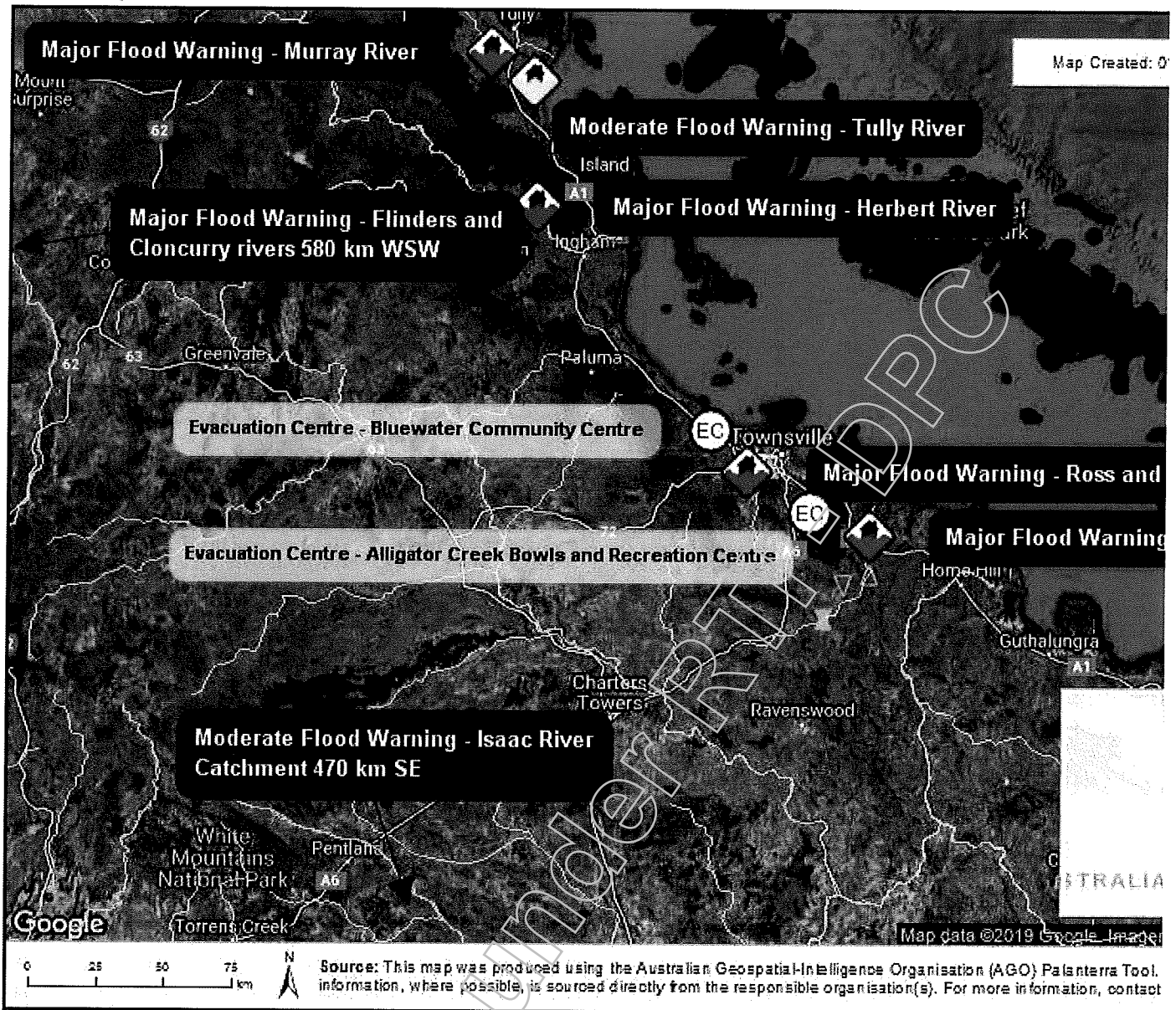
- Alligator Creek Bowls and Recreation Centre, Alligator Creek (16 people at this location, as at 0900 hrs today)
- Bluewater Community Centre, Bluewater (four people at this location, as at 0900 hrs today).

The CCC will continue to monitor this event and advise of any significant developments.

The CCC has been in contact with the following stakeholders:

- EMA
- BOM
- Geoscience Australia
- PM&C
- ABOC
- QFES
- HQJOC

Event Map:



Further Information

The Australian Government Crisis Coordination Centre (CCC) may report any information it receives about the outcome of this incident in its All Hazards Daily Report.

The CCC will continue to monitor the situation and may make further notifications if the matter escalates.

If you have further questions or would like to report information in relation to this event please contact the CCC.

Australian Government Crisis Coordination Centre
 Crisis Management Branch
 Emergency Management Australia / Department of Home Affairs
 T 1300 243 222 / F 1300 004 650 / E ccc@homeaffairs.gov.au

Prepared by:	
Approved by:	

Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Friday, 1 February 2019 12:49 PM
To: Georgia Voutsis
Subject: Increased Severity Flood Warning - Major for Ross River Catchment
Attachments: Bohle River.JPG; Ross River at Black Weir.JPG

Dear Senior Policy Officer Georgia Voutsis,

Increased Severity Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

Please Note: SEWS will be broadcast in media with this warning.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO
USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 12:15 pm EST on Friday 1 February 2019

Flood Warning Number: 17

Property flooding is expected in the Ross River early Friday afternoon. Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are rising and currently below the minor flood level.

The Ross River at Aplin Weir is currently at 1.91 metres and rising. The river level at Aplin Weir is currently above the record flood level, exceeding the previous record of 1.77 metres from 1998. The Ross River at Aplin Weir will exceed 2.00 metres early Friday afternoon and may reach the major flood level (2.90 m) during the weekend.

Bohle River:

Major flooding is being recorded along the Bohle River during Friday afternoon. No observations are currently available for the Bohle River at Mt Bohle, but moderate flood levels and renewed rises are expected to be occurring. The river level at Mt Bohle may exceed the major level (7.0 m) during Friday afternoon.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are continuing to fall and are currently below the minor flood level.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 03:00 pm EST on Friday 01 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.84, Falling, 12:02 PM FRI 01/02/19

Bohle R at Hervey Range Rd Alert, 7.35, Rising, 12:05 PM FRI 01/02/19

Bohle R at Dalrymple Rd Alert, 11.04, Rising, 11:21 AM FRI 01/02/19

Black R upstream Bruce Hwy Alert, 2.84, Rising, 11:38 AM FRI 01/02/19

Bluewater Ck at Bluewater Alert, 4.78, Falling, 12:08 PM FRI 01/02/19

Ross R at Ross River Dam Alert, 41.21, Rising, 12:03 PM FRI 01/02/19

Ross R at Black Weir (Riverway) Alert, 1.45, Rising, 11:23 AM FRI 01/02/19

Ross R at Aplin Weir Alert, 1.91, Rising, 12:01 PM FRI 01/02/19

Ross R at Rooneys Bridge Alert, 3.25, Steady, 11:49 AM FRI 01/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

test River Heights for Bohle R at Hervey Range Rd *

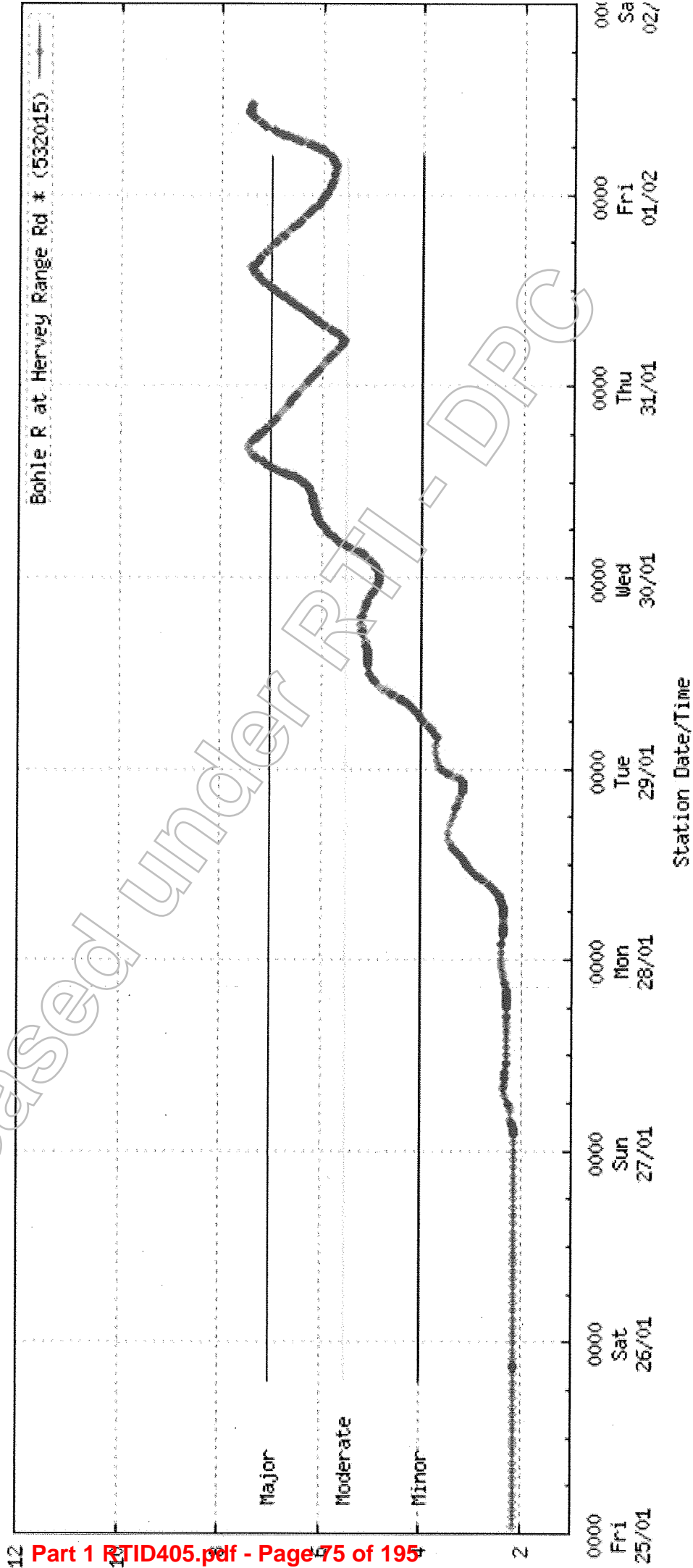
ed at 12:12 pm EST Friday 1 February 2019

[About river height plots](#) | [About this Plot](#)

ion details: Station Number: 532015 Name: Bohle R at Hervey Range Rd * Owner: DNRM:118003

od levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

a from the previous 7 days.



Test River Heights for Ross R at Black Weir (Riverway)

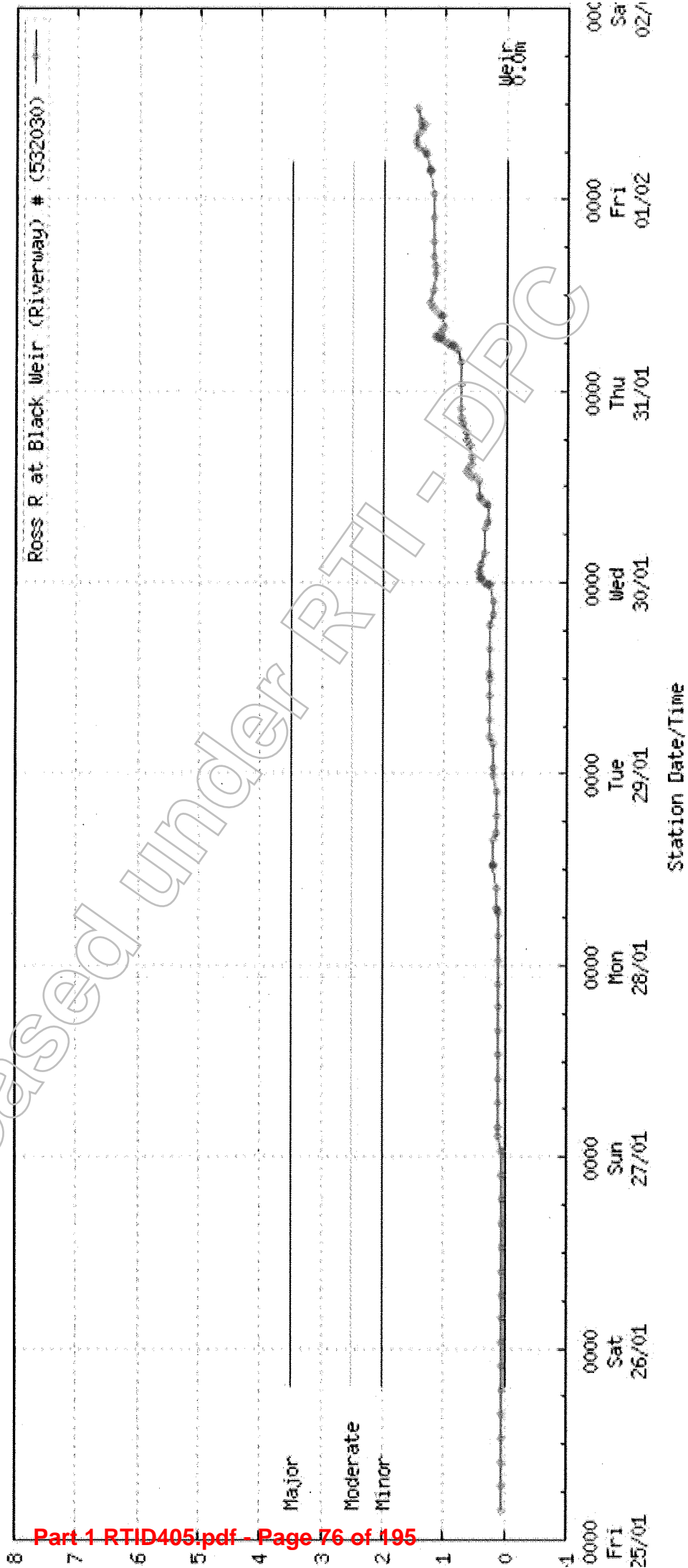
id at 12:12 pm EST Friday 1 February 2019

[bout river height plots](#) | [About this Plot](#)

on details: Station Number: 532030 Name: Ross R at Black Weir (Riverway) # Owner: TCC:118901

d levels: Minor: 2.00 Moderate: 2.50 Major: 3.50

from the previous 7 days.



Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Friday, 1 February 2019 6:16 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Aplin Weir Levels.PNG; Black River Alert Levels.PNG; Bohle River Levels.PNG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 5:53 pm EST on Friday 1 February 2019 Flood Warning Number: 19

Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are steady and currently below the minor flood level.

The Ross River at Aplin Weir is currently at 1.96 metres and steady, with moderate flooding. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during the weekend. This prediction is based on forecast rainfall.

Bohle River:

Major flooding is being recorded along the Bohle River during Friday afternoon.

No observations are currently available for the Bohle River at Mt Bohle, but river levels are expected to be above the major flood level (7.00 m) and steady. The Bohle River at Mt Bohle is likely to fall below the major flood level (7.00 m) Friday evening. Renewed rises above the major flood level (7.00

m) are possible overnight Friday into Saturday with further heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are currently steady and remain below the minor flood level.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 09:00 pm EST on Friday 01 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.99, Falling, 05:26 PM FRI 01/02/19 Bohle R at Hervey Range Rd Alert, 7.15, Steady, 05:23 PM FRI 01/02/19 Bohle R at Dalrymple Rd Alert, 10.94, Steady, 04:09 PM FRI 01/02/19 Black R upstream Bruce Hwy Alert, 2.79, Falling, 05:28 PM FRI 01/02/19 Bluewater Ck at Bluewater Alert, 4.78, Falling, 05:18 PM FRI 01/02/19 Ross R at Ross River Dam Alert, 41.47, Rising, 04:56 PM FRI 01/02/19 Ross R at Black Weir (Riverway) Alert, 1.55, Rising, 04:34 PM FRI 01/02/19 Ross R at Aplin Weir Alert, 1.96, Steady, 05:03 PM FRI 01/02/19 Ross R at Rooney's Bridge Alert, 3.50, Rising, 03:52 PM FRI 01/02/19

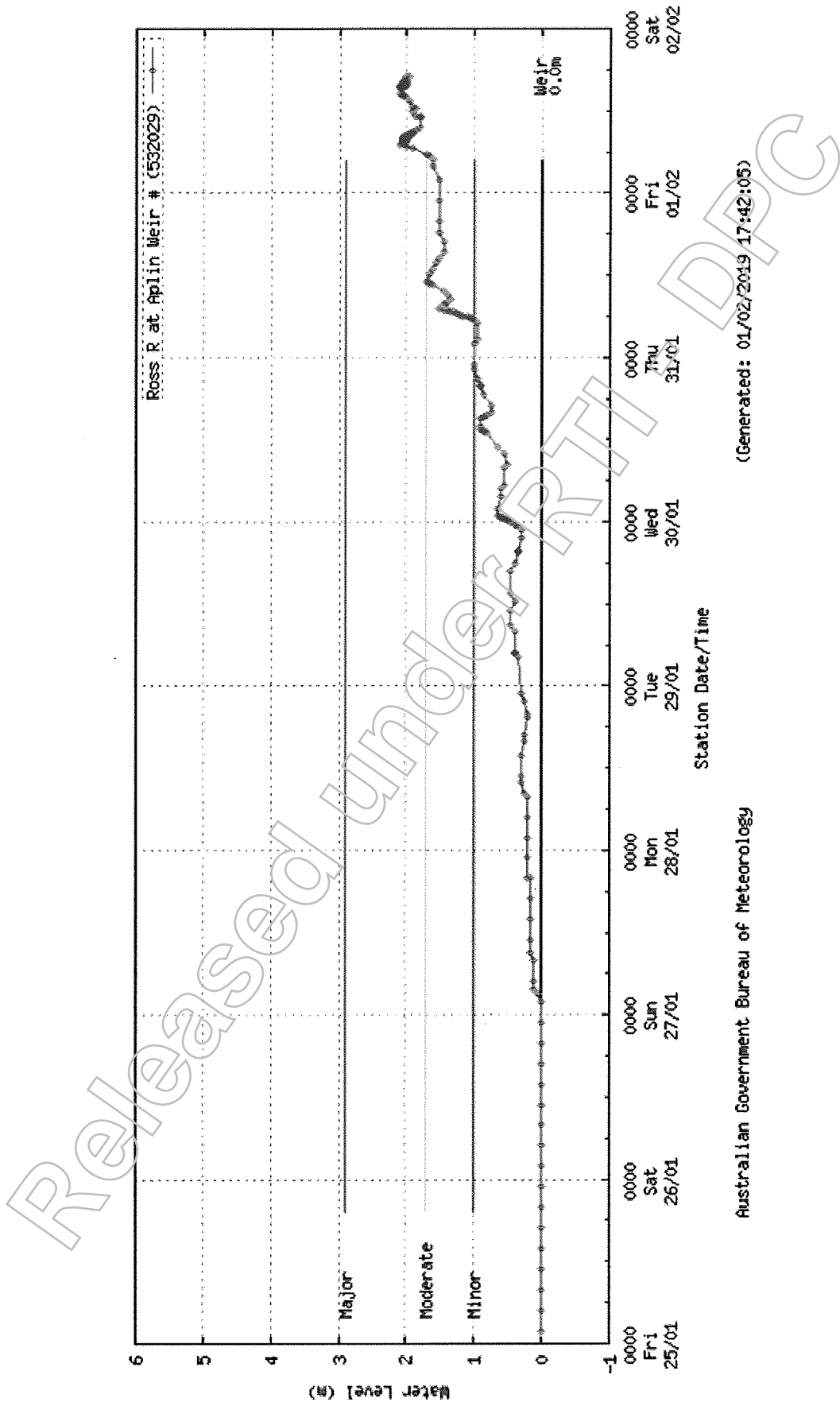
This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

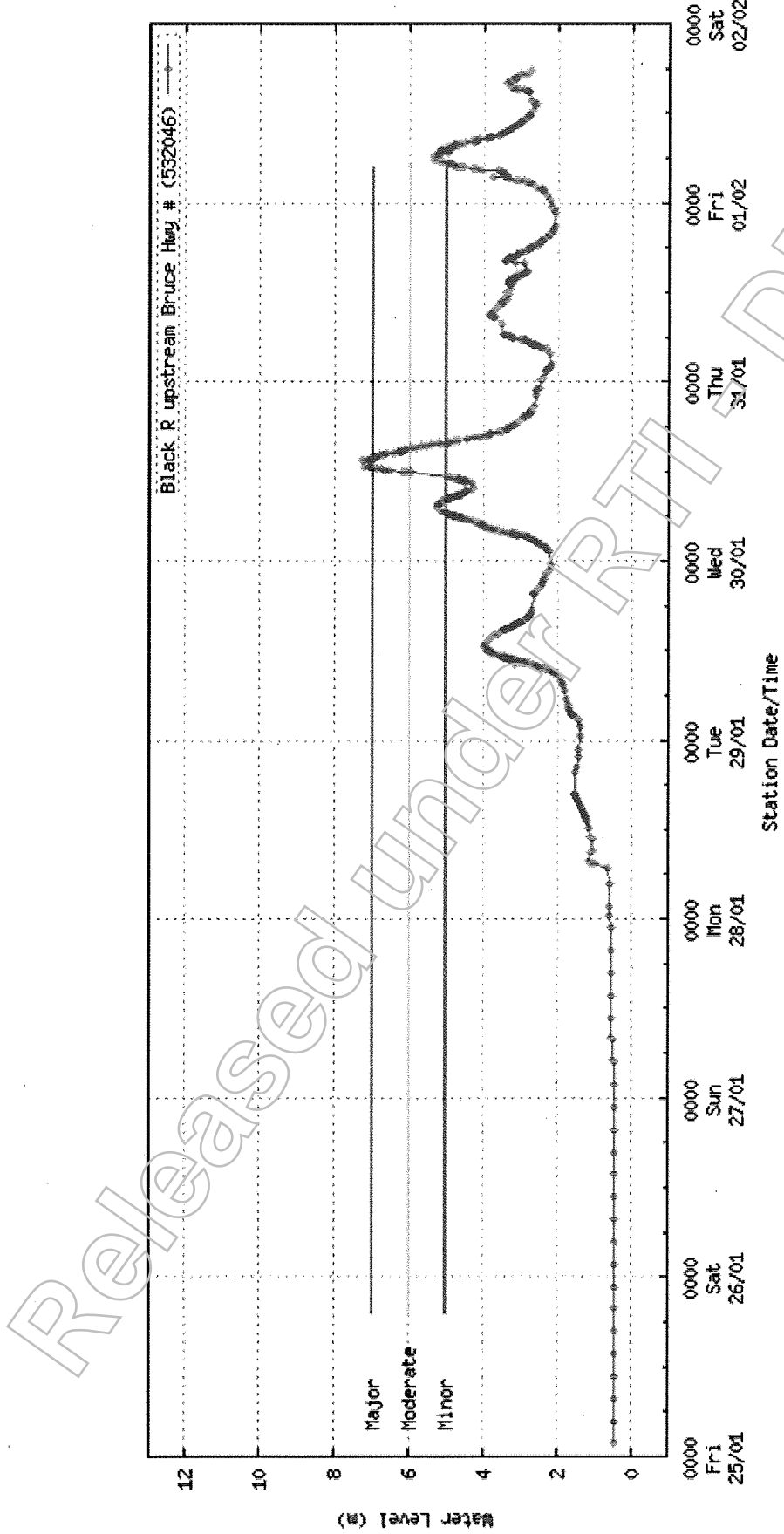
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

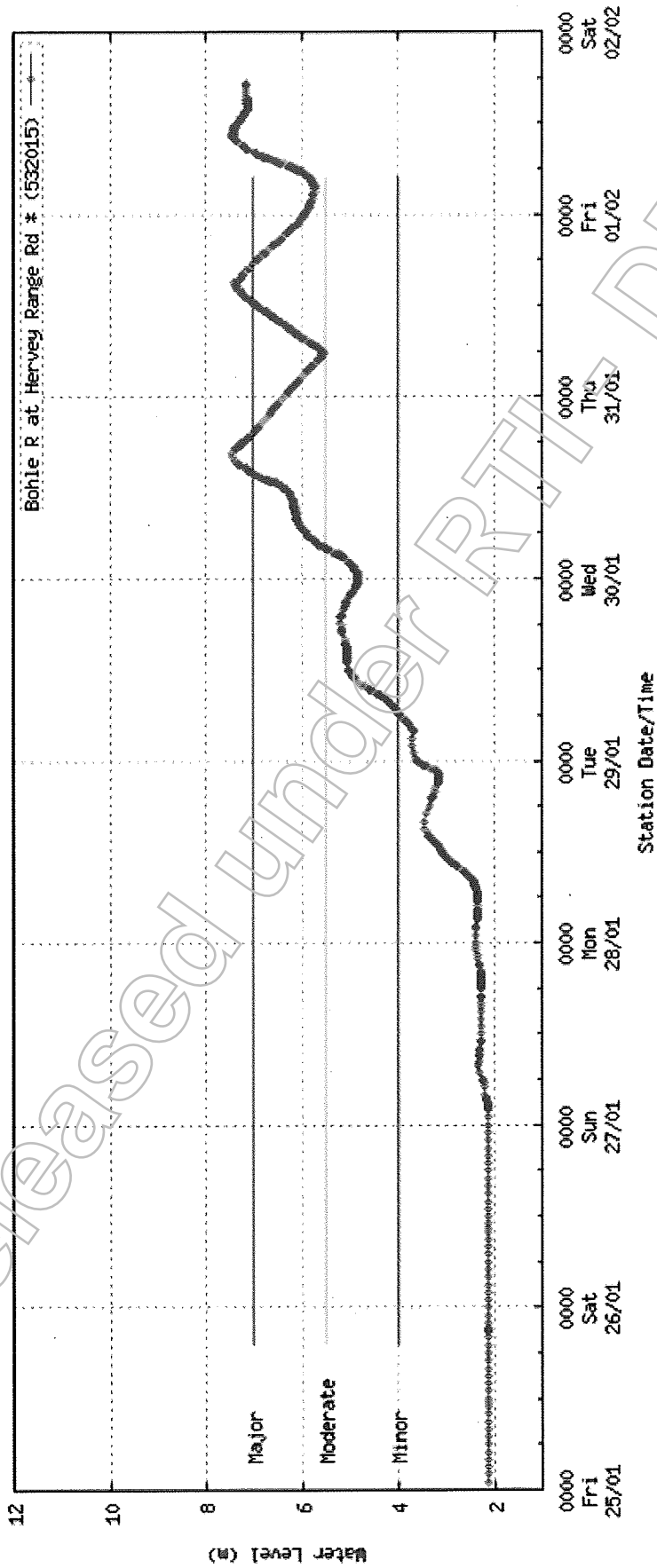
Released under RTI - DPC





(Generated: 01/02/2019 17:42:16)

Australian Government Bureau of Meteorology



Generated: 01/02/2019 17:42:09

Australian Government Bureau of Meteorology

Released under RTI DPIC

Key Messaging

Report Time

01/02/2019 17:00

Report ID

R13124621

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- An active monsoon continues to produce significant rainfall in north Queensland. It is expected to start slowly moving northwards over the North Tropical Coast, western Cape Peninsula and Gulf catchments, resulting in multiple days of heavy rainfall.
- The potential for significant and dangerous flash flooding will likely continue into next week.
- A Disaster Declaration has been approved for the areas of Burdekin, Charters Towers, Flinders, Hinchinbrook, Richmond, Palm Island and Townsville.
- Ross River Dam has reached capacity and the spillway gates are now open. A number of rivers across North Queensland are expected to reach major or record flood levels.
- It can be extremely dangerous on the roads in the affected areas. Flash flooding is a risk. Motorists are reminded to drive to the conditions. Do not enter flooded roads. The message is simple: If it's flooded, forget it.
- Flooding in North Queensland has resulted in major road closures, including the Bruce Highway in a number of locations. For the latest information on road closures, visit qldtraffic.qld.gov.au.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).

Sub Issue

Safety

- Emergency Alerts have been issued to residents in Giru, Alligator Creek, Nome, Julago, Black River, Bluewater, Beach Holm, Yabulu, Toolakea, Cluden, Rosslea, Hermit Park, Oonoonba, Idalia and Railway Estate.
- Police have been door knocking properties in Cluden, Rosslea, Hermit Park, Oonoonba, Idalia and Railway Estate today.
- Extra emergency services personnel, including paramedics and swift water rescue firefighters, have been deployed to affected areas.
- The State Emergency Service (SES) has received 662 requests for assistance since last Friday (25 January). Most of these requests were for the Townsville area.
- 50 homes have been damaged by floodwater in the Bluewater area and this number could rise in the coming days.

Health

- The water supply on Palm Island is impacted by tepidity and has been shut off as a 24-hour measure until treatment and balances are checked. This is not expected to cause a significant impact at this stage.

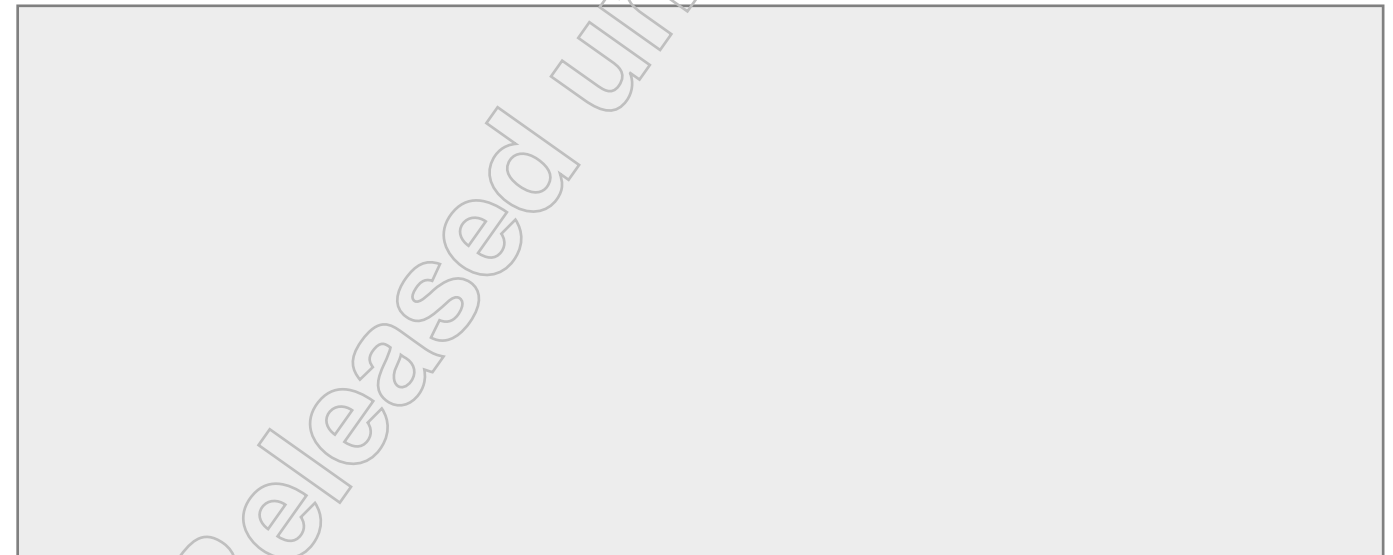


Key Messaging

General advice

- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor.
- Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- It is important residents avoid activities like swimming, diving, surfing, kite surfing and jet skiing until local councils can confirm water quality is safe again.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.
- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Look out for snakes and spiders as they may have moved to drier ground.
- If you have lost power, the food in your fridges and freezers could have been impacted. Keep fridge and freezer doors closed for as long as possible – the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood damaged foods.
- When it comes to food safety, always remember that if in doubt, throw it out.

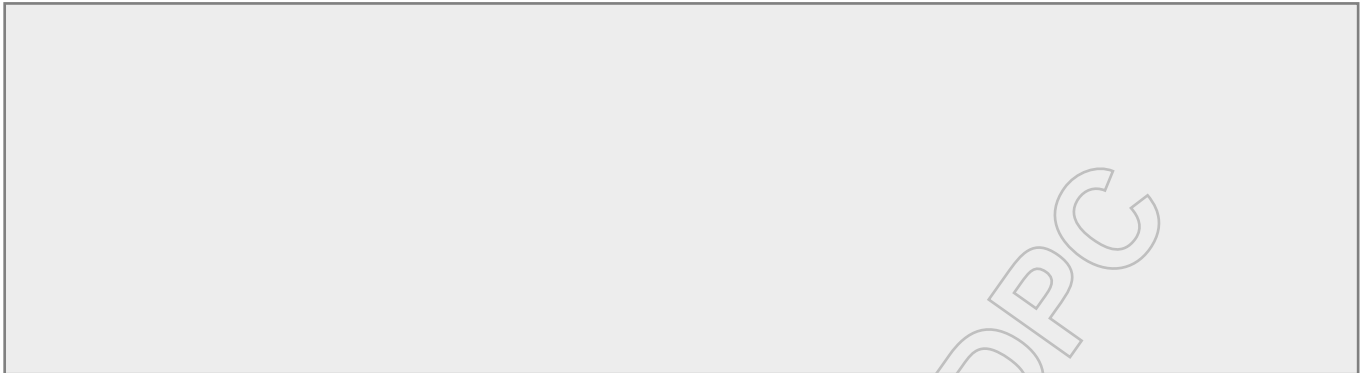
Transport



Closure of public facilities



Key Messaging



Community recovery

- A community recovery pop-up hub has been operating today from 8.30am-5pm (Friday 1 February) at the Indigenous Knowledge Centre, Hartwig Street, Wujal Wujal.
- Preparations are being made to establish Community Recovery Hubs in Townsville.
- Ready Reserves have been deployed, and will continue to be deployed, to affected areas.
- Statewide, around 50 staff are working on the community recovery operation.
- QRA Regional Liaison Officers are in contact with councils and are providing advice and support on recovery processes and options.

Funding assistance

- Residents in Cook Shire Council, Douglas Shire Council and Wujal Wujal Aboriginal Shire Council are now eligible for emergency funding assistance. Further local council areas are expected to become eligible in coming days.
- These grants, of up to \$180 per person, to a maximum of \$900 for a family of five or more, are available to people experiencing genuine financial hardship as a result of this weather event. To date, more than 60 applications have been received.
- People who are distressed or experiencing hardship due to the flooding can contact the Community Recovery Hotline on 1800 173 349.
- To date, 219 calls have been received by the Community Recovery Hotline.

Emergency housing

- The government's Temporary Emergency Accommodation Plan has been activated to support displaced residents. People affected by the floods who need emergency housing can register by calling 13QGOV (13 74 68) or through www.npw.qld.gov.au.

Agriculture



Electrical safety

- Make sure you know where to turn off your power, gas and water supply in an emergency.
- If you've lost power, turn off your power points and unplug electrical equipment.
- If flood waters are expected switch off and unplug electrical equipment then shift it to higher locations.
- Unplug outside TVs and non-fixed aerals and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from the vicinity of any fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity distribution entity.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that may be lying around your house.
- If you've lost power, contact your local electrical distribution entity who should be able to advise when power will be reconnected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.
- If your property or connecting line has been damaged by a storm or flood, you may need verification tests on your switchboard, wiring, equipment and appliances to be carried out prior to reconnection to ensure the electrical circuits are still sound. An electrical contractor will need to perform this task and a certificate of test will ensure your local electricity distribution entity can reconnect your service.
- Do not do your own electrical work it's illegal and dangerous. Always use a licensed electrical contractor to do all your electrical work. Check your electrician is licensed using the Electrical Licence Search (ELIS).

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as kettles, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be reconnected.
- Power from generators can be dangerous if incorrectly managed.
- Connect your generator to your house electrical wiring using a generator change-over switch and appropriate socket. These switches must be installed by a licensed electrical contractor.
- Do not connect your generator to your house using a power point on a power circuit or any other connection point. This can cause dangerous 'back-feeding'.

Key Messaging

- Ensure all leads used to connect your generator are in good working order.
- Use power boards with an overload cut-out switch.
- Run the generator outdoors or in a well-ventilated area.
- Do not exceed the generator's load rating, and follow the manufacturer's instructions.

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If you have a solar PV system that has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.
- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at: <https://www.ditid.qld.gov.au/tourism/tourism-planning>.

Hot Issues

If asked question

- Response

Approval

Prepared	Ben Armstrong - Coordinator	01/02/2019 17:59
Endorsed	Ben Armstrong - Coordinator	01/02/2019 17:59
Approved	Paul Fogg - (none)	01/02/2019 18:31

Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Friday, 1 February 2019 10:54 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Black R 2237.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.
TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 8:56 pm EST on Friday 1 February 2019

Flood Warning Number: 20

Major flood levels are possible in the Ross River at Aplin Weir over the weekend with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are steady and currently below the minor flood level.

Moderate flood levels in the Ross River at Aplin Weir is currently at 1.91 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during the weekend. This prediction is based on forecast rainfall.

Bohle River:

Moderate flood levels are being recorded along the Bohle River during Friday evening.

No observations are currently available for the Bohle River at Mt Bohle, but river levels are expected to fall below the major flood level (7.00 m) Friday evening. Fast renewed rises above the major flood level are expected if heavy rainfall moves back into the catchment area overnight Friday and into Saturday.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are currently steady and remain below the minor flood level. Fast renewed rises are expected if heavy rainfall moves back into the catchment areas.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 12:00 am EST on Saturday 02 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.29, Falling, 08:06 PM FRI 01/02/19

Bohle R at Hervey Range Rd Alert, 6.80, Falling, 08:05 PM FRI 01/02/19

Bohle R at Dalrymple Rd Alert, 10.74, Falling, 07:52 PM FRI 01/02/19

Black R upstream Bruce Hwy Alert, 2.24, Falling, 08:03 PM FRI 01/02/19

Bluewater Ck at Bluewater Alert, 4.23, Falling, 07:48 PM FRI 01/02/19

Ross R at Ross River Dam Alert, 41.53, Rising, 07:25 PM FRI 01/02/19

Ross R at Black Weir (Riverway) Alert, 1.50, Rising, 06:45 PM FRI 01/02/19

Ross R at Aplin Weir Alert, 1.91, Rising, 08:06 PM FRI 01/02/19

Ross R at Rooneys Bridge Alert, 3.30, Rising, 07:35 PM FRI 01/02/19

Townsville Harbour Tide Alert, 2.75, Rising, 07:58 PM FRI 01/02/19

Cape Ferguson Tide TM, 2.55, Steady, 07:33 PM FRI 01/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

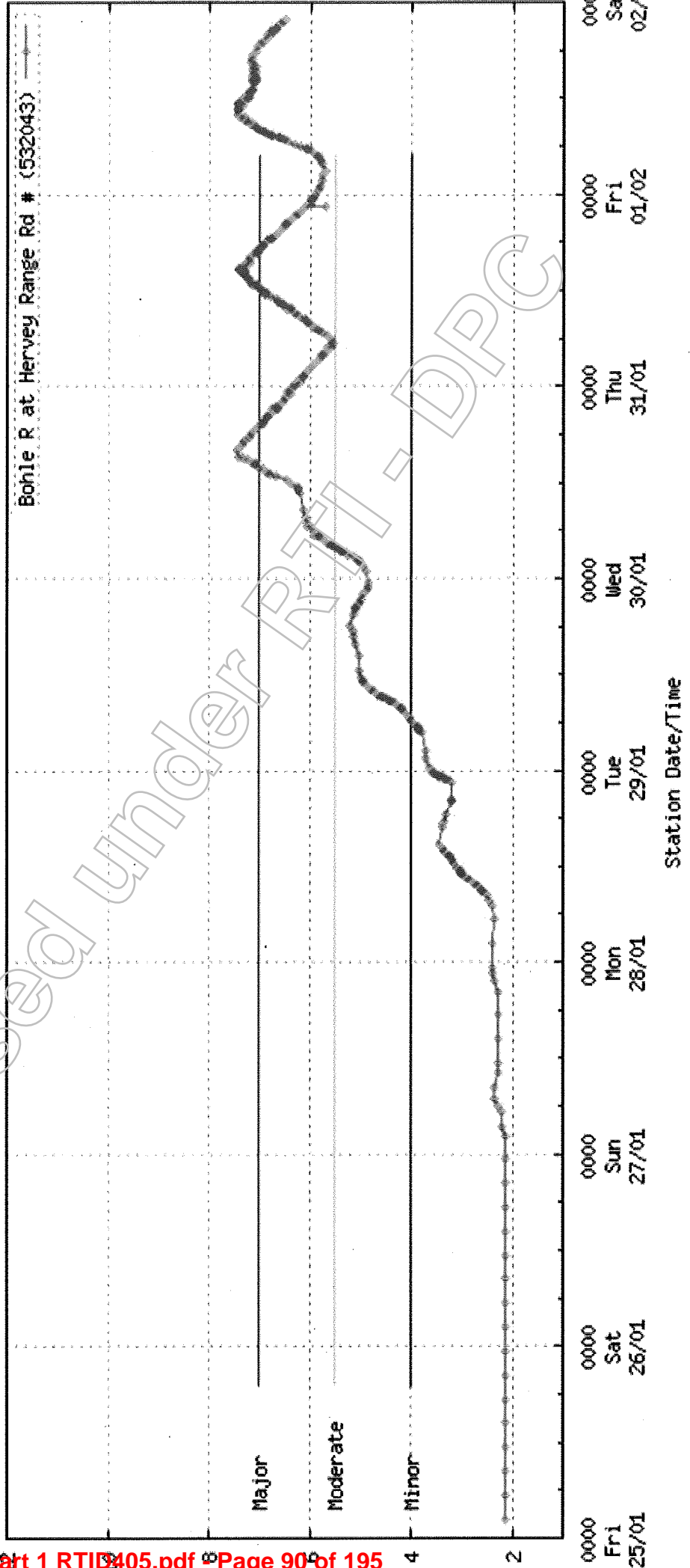
Lowest River Heights for Bohle R at Hervey Range Rd

measured at 10:13 pm EST Friday 1 February 2019

[About river height plots](#) | [About this Plot](#)

Station details: Station Number: 532043 Name: Bohle R at Hervey Range Rd # Owner: TCC:118907
Flood levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

measured from the previous 7 days.



Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 10:27 PM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: IDQ65393.532020 (1).png; IDQ65393.532089.png; IDQ65136 (2).gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

Major Flood Warning for the Ross, Bohle and Black Rivers remains. Emergency Alerts have been issued with the Ross River dam spillway gates now opened to their full setting. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 9:59 pm EST on Sunday 3 February 2019

Flood Warning Number: 40

RISK TO LIFE AND PROPERTY

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground. Residents still in their homes in these suburbs should move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au
Ross River:

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. River levels downstream at Black Weir are rising and just below the moderate flood level (2.50 metres).

The Ross River at Aplin Weir is currently at 3.21 metres and rising, with major flooding. The river level at Aplin Weir may reach around 4.00 metres overnight Sunday into Monday.

Bohle River:

Flooding has started to ease on the Little Bohle following renewed river level rises Sunday evening. Major flood levels are rising further downstream on the Bohle River.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be just below the major flood level of 7.00 metres and rising. The Bohle River at Mt Bohle will exceed the major flood level (7.00 m) late Sunday evening.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are rising and both are currently below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 12:00 am EST on Monday 04 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 3.54, Falling, 09:28 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 7.30, Rising, 09:34 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.89, Rising, 09:43 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 3.69, Falling, 09:38 PM SUN 03/02/19

Bluewater Ck at Bluewater TM, 4.67, Steady, 09:22 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.95, Rising, 08:10 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.45, Rising, 09:37 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 3.21, Rising, 09:42 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.30, Steady, 08:49 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services

Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 8:31 PM
To: Georgia Voutsis
Subject: Increased Severity Flood Warning - SEWS for Ross River Catchment
Attachments: IDQ65393.532029.png

Dear Senior Policy Officer Georgia Voutsis,

Increased Severity Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

The Ross River dam spillway gates have now opened to their full setting. Emergency Alert Campaigns will be issued.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 8:10 pm EST on Sunday 3 February 2019

Flood Warning Number: 39

RISK TO LIFE AND PROPERTY

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground before 8.30pm Sunday night. Residents still in their homes

in these suburbs should move to the highest ground in their dwelling before 8.30pm Sunday night.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au

Ross River:

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam.

The Ross River at Aplin Weir is currently at 3.11 metres and rising, with major flooding. The Ross River at Aplin Weir will reach around 4.00 metres late Sunday evening with further rises possible.

Bohle River:

Flooding has started to ease on the Little Bohle following renewed river level rises Sunday evening. Major flood levels are rising further downstream on the Bohle River.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and rising. The Bohle River at Mt Bohle will exceed the major flood level (7.00 m) Sunday evening.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are rising and both are currently below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 10:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 3.84, Rising, 07:30 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 7.00, Rising, 07:54 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.54, Rising, 07:42 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 3.94, Rising, 07:48 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 4.13, Rising, 07:53 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.93, Steady, 07:57 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.25, Rising, 07:57 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 3.11, Rising, 07:57 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.30, Rising, 07:14 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001

Released under RTI - DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 8:02 PM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: IDQ65393.532020.png; IDQ65136.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

Ross River Dam gates now fully open. Emergency Alert Campaigns will be issued.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 7:53 pm EST on Sunday 3 February 2019

Flood Warning Number: 38

RISK TO LIFE AND PROPERTY

Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground before 8.30pm Sunday night. Residents still in their homes in these suburbs should move to the highest ground in their dwelling before 8.30pm Sunday night.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au
Ross River:

The Ross River dam spillway gates may open to their full setting between the hours of 8.30pm Sunday night and 6am Monday. This setting would release up to 2000 cubic metres of water per second out of the dam.

The Ross River at Aplin Weir is currently at 3.11 metres and rising, with major flooding. The Ross River at Aplin Weir will continue to rise and remain above the major flood level (2.90 m) during Monday.

Bohle River:

Flooding has started to ease on the Little Bohle following renewed river level rises Sunday evening. Major flood levels are rising further downstream on the Bohle River.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and rising. The Bohle River at Mt Bohle will exceed the major flood level (7.00 m) Sunday evening.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are rising and both are currently below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 10:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 3.84, Rising, 07:30 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.95, Rising, 07:34 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.49, Rising, 07:23 PM SUN 03/02/19

Black R upstream Bruce Hwy TM, 3.27, Rising, 07:20 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 3.98, Rising, 07:28 PM SUN 03/02/19

Bluewater Ck at Bluewater TM, 3.85, Steady, 07:24 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.93, Rising, 07:23 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.15, Steady, 07:01 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 3.11, Rising, 07:37 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.30, Rising, 07:14 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:

Released under RTI - DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 6:21 PM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: Ross River Aplin Weir 1816 030219.PNG; Bohle River Hervey Range 1817 030219.PNG; IDQ65145 as at 1817 030219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A Severe Weather Warning remains current for this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE. TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Moderate Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 6:10 pm EST on Sunday 3 February 2019

Flood Warning Number: 37

RISK TO LIFE AND PROPERTY

Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rows Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground before 8.30pm Sunday night. Residents still in their homes in these suburbs should move to the highest ground in their dwelling before

8.30pm Sunday night.

A map of potential inundated properties will be released shortly by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au

Ross River:

The Ross River dam spillway gates may open to their full setting between the hours of 8.30pm Sunday night and 6am Monday. This setting would release up to 2000 cubic metres of water per second out of the dam.

The Ross River at Aplin Weir is currently at 2.96 metres (above the major flood level of 2.90 m) and rising. The river level will continue rising overnight Sunday into Monday.

Bohle River:

Flooding has eased on the Little Bohle. Moderate flood levels continue on the Bohle River with renewed rises possible.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are falling and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 08:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.24, Rising, 06:05 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.70, Rising, 05:59 PM SUN 03/02/19

Bohle R at Hervey Range Rd TM, 6.60, Steady, 05:24 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.39, Falling, 05:23 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 2.29, Rising, 05:48 PM SUN 03/02/19

Black R upstream Bruce Hwy TM, 2.17, Falling, 05:25 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 3.43, Falling, 05:38 PM SUN 03/02/19

Bluewater Ck at Bluewater TM, 3.46, Steady, 05:21 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.83, Steady, 06:04 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.20, Rising, 05:50 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 2.96, Rising, 05:57 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.15, Steady, 05:49 PM SUN 03/02/19

Townsville Harbour Tide Alert, 2.45, Rising, 06:00 PM SUN 03/02/19

Townsville Harbour Tide TM, 2.19, Steady, 05:36 PM SUN 03/02/19

Cape Ferguson Tide TM, 2.09, Rising, 05:33 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 6:10 PM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: Ross River Dam as at 1755 030219.PNG; Bohle River Hervey Range 1756 030219.PNG; IDQ65145 as at 1756 030219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A Severe Weather Warning remains current for this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Moderate Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 5:47 pm EST on Sunday 3 February 2019

Flood Warning Number: 36

RISK TO LIFE AND PROPERTY

Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rows Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground before 8.30pm Sunday night. Residents still in their homes in these suburbs should move to the highest ground in their dwelling before

8.30pm Sunday night.

A map of potential inundated properties will be released shortly by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au

Ross River:

The Ross River dam spillway gates may open to their full setting between the hours of 8.30pm Sunday night and 6am Monday. This setting would release up to 2000 cubic metres of water per second out of the dam.

The Ross River at Aplin Weir will exceed the major flood level (2.90 m) Sunday evening.

Bohle River:

Flooding has eased on the Little Bohle. Moderate flood levels continue on the Bohle River with renewed rises possible.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are falling and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 07:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.69, Rising, 05:37 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.65, Rising, 05:39 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.39, Falling, 05:23 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 2.24, Rising, 05:28 PM SUN 03/02/19

Bluewater Ck at Bluewater TM, 3.46, Steady, 05:21 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.81, Rising, 05:03 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.20, Rising, 05:40 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 2.86, Rising, 05:44 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.15, Rising, 05:07 PM SUN 03/02/19

Townsville Harbour Tide Alert, 2.15, Falling, 05:45 PM SUN 03/02/19

Cape Ferguson Tide TM, 1.82, Rising, 04:53 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001

Released under RTI - DPC

State Update

Event	Active Monsoon Far North Queensland		
State Update No.	10	Report ID	R13200421
Report From	0800hrs on 03/02/2019	Report To	1600hrs on 03/02/2019
Distribution	QDMC, SDCG, affected DDMGs and LDMGs		

Weather

Overview

- The monsoon trough extends across north Queensland and is forecast to remain in the region across the weekend and into next week.
- **Heavy** rainfall is expected to continue across the flood watch area throughout the weekend and possibly into early next week, with some catchments expected to receive multiple days of heavy rainfall.
- **Damaging** wind gusts and **intense** rainfall with significant flash flooding expected between Ingham to Bowen, slowly extending south.
- **Tidal inundation** risk to continue along the Gulf Coast.

Hydrology

- **Flood watch** for coastal catchments from Daintree to Mackay, the western Cape York Peninsula and Gulf of Carpentaria catchments.
- Widespread **moderate** to **major** flooding is expected in the flood watch area over the next few days.

Warnings

- **Major** flood warning – Flinders River, Cloncurry River, Houghton River, Herbert River, Ross River and Upper Burdekin River.
- **Moderate** flood warning – Bohle River, Lower Burdekin River (below Burdekin Falls dam).
- **Minor** flood warning – Norman River, Don River, Georgina River, Thomson River, Barcoo River, Cooper Creek and Isaac River catchment
- **Flood** warning – Black River, Nicholson River, Gregory River, Leichhardt River, Gilbert River, Diamantina River and Bluewater Creek.
- **Severe Thunderstorm** warning for destructive winds and heavy rainfall for parts of the Herbert and Lower Burdekin forecast districts.
- **Severe Weather** warning current for abnormally high tides in parts of the Peninsula and Gulf Country forecast districts.
- **Severe Weather** warning for damaging, locally destructive winds and heavy rainfall for Herbert and Lower Burdekin, Central Coast and Whitsundays and parts of Peninsula, Gulf Country, North Tropical Coast and Tablelands, Northern Goldfields and Upper Flinders, North West, Central Highlands and Coalfields and Central West Forecast Districts.



State Update 10 for Active Monsoon FNQ as at 1600hrs on 03/02/2019

Overview

Emergency Alert campaigns issued since 0800hrs.

- **Watch and Act** for Flinders River affecting Hughenden on north side of the river.
- **Watch and Act** from Townsville LDMG for properties in Nome, Julago and Alligator Creek.
- **6 x Emergency Warnings** from Townsville LDMG for high risk areas.

Current Status of Activations

State Activations SDCC – STAND UP

	DDMGs	LDMGs
Stand Up	Townsville	Burdekin, Charters Towers, Cloncurry, Flinders, Richmond, Townsville
Lean Forward	Innisfail, Mount Isa	Cassowary Coast, Etheridge, Hinchinbrook, Mount Isa, Palm Island, Wujal Wujal
Alert	Far North, Mackay	Cairns, Carpentaria, Cook, Douglas, Hope Vale, Mareeba, McKinlay, Mornington, Napranum, Northern Peninsula, Torres Strait, Whitsunday
Stand Down		

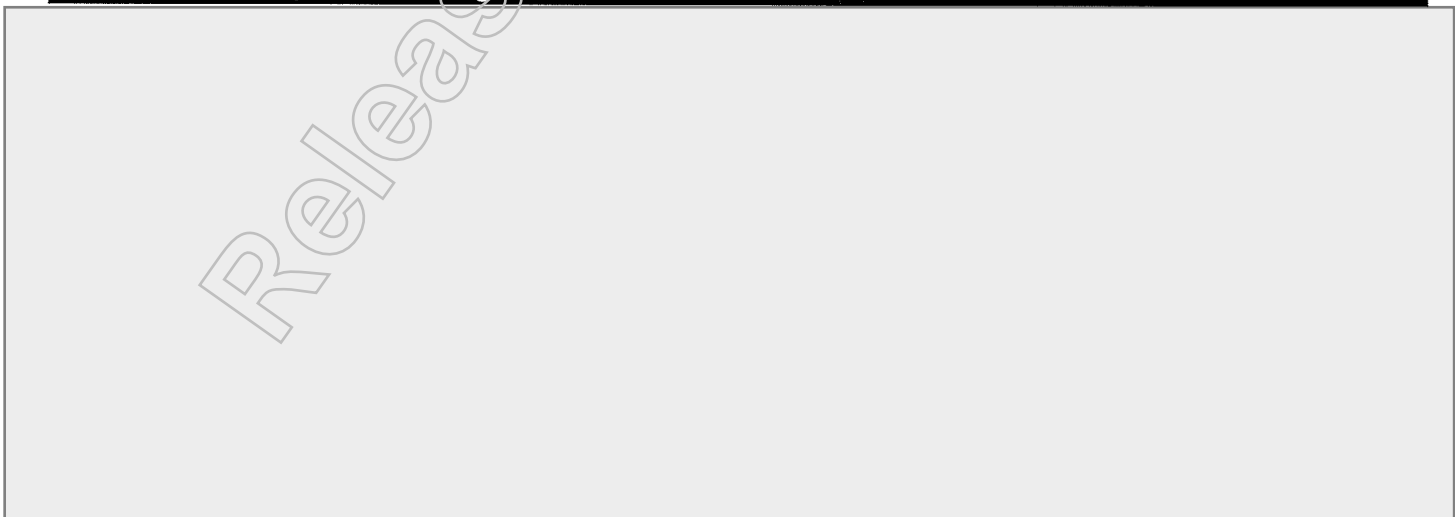
Disaster Declarations

DDMG	Declared	Expiration	Ended	Extension
Townsville	1745hrs on 31/01/2019	1745hrs on 14/02/2019		

People

Deaths	Nil reported.
Missing Persons	Nil reported.
Searches	Nil reported.

Evacuation Centres / Places of Refuge



State Update 10 for Active Monsoon FNQ as at 1600hrs on 03/02/2019

Community Safety Summary

Queensland Police Service

Submitted By Supt Marcus Hill Date / Time 03/02/2019

- QPS and ADF undertook door knocking in River Parade, Thompson Street and Millard Street Aitkenvale due to increased flooding.
- Consistent and sustained messaging is being delivered across impacted areas to ensure the community is adequately prepared.
- A high profile policing presence is being maintained in and around impacted areas to ensure the safety and security of the community.
- Contingency planning has been undertaken to respond to the potential impact of significant rain falling within the Ross River Dam catchment area.

Queensland Fire and Emergency Services

Submitted By Janet Richardson Date / Time 03/02/2019 14:24hrs

- Swiftwater Floodwater Rescue (SFR) firefighters in Townsville areas have assisted in **relocating over 496** persons, rescued **28** persons in floodwaters (SFR) and performed search operations to **locate 4** missing persons (**found safe**).
- Increased operational activity is commencing in Cairns and surrounding areas with 1 SFR occurring at Crystal Cascades (1 person) and the **aerial extraction** of 4 persons isolated by floodwater south of Laura.
- SES has received more than **187** requests for assistance between 0500 and 1400hrs today. Most requests are in the Townsville area for sandbags, flood assistance and tarps.
- **92** QFES personnel are deployed in the field supporting local personnel and partner agencies (69 FRS, 20 SES, 2 QFES, 1 PSBA).
- Due to road closures **70,000** sandbags transported to Charters Towers yesterday will remain in place as a reserve supply. The urgency for Townville LDMG will be met by the Australian Defence Force, supplying 90,000 sandbags via Townsville airport.
- Damage assessment activity is reduced as the current focus is on response activities. Damage assessments will resume as the conditions allow and in accordance with planning.

Queensland Ambulance Service

Submitted By Danny Murphy Date / Time 03/02/2019 13:35hrs

- QAS deployment to Mt Isa has arrived with no issues.
- **12** officers, including a media officer and Assistant Commissioner are deploying to Townsville this afternoon.
- Planning has been undertaken in case there is a requirement for additional deployments.

Health Summary

Queensland Health

Submitted By Nicole Mandalios Date / Time 03/02/2019 14:07hrs

- As weather continues south, Mackay HHS are actively monitoring and have confirmed preparedness including generators and supplies.
- Retrieval Services Queensland - as at 1200hrs today, weather precluding access to Mornington Island however normal access available in Townsville, possible restrictions for Mackay later today as weather



system moves south. Repatriation of patients from Townsville to Cairns and Mackay also occurring. 13 event related patients moved as at 1400hrs.

Recovery

- Queensland Health has commenced deployment planning to assist Townsville HHS, with deployments to commence approximately Tuesday.
- 2 North West HHS facilities, Cloncurry and Julia Creek, have significant roof leaks however no clinical areas are impacted.
- Forward planning for pharmacy resupply and other supplies, is underway across multiple HHSs.

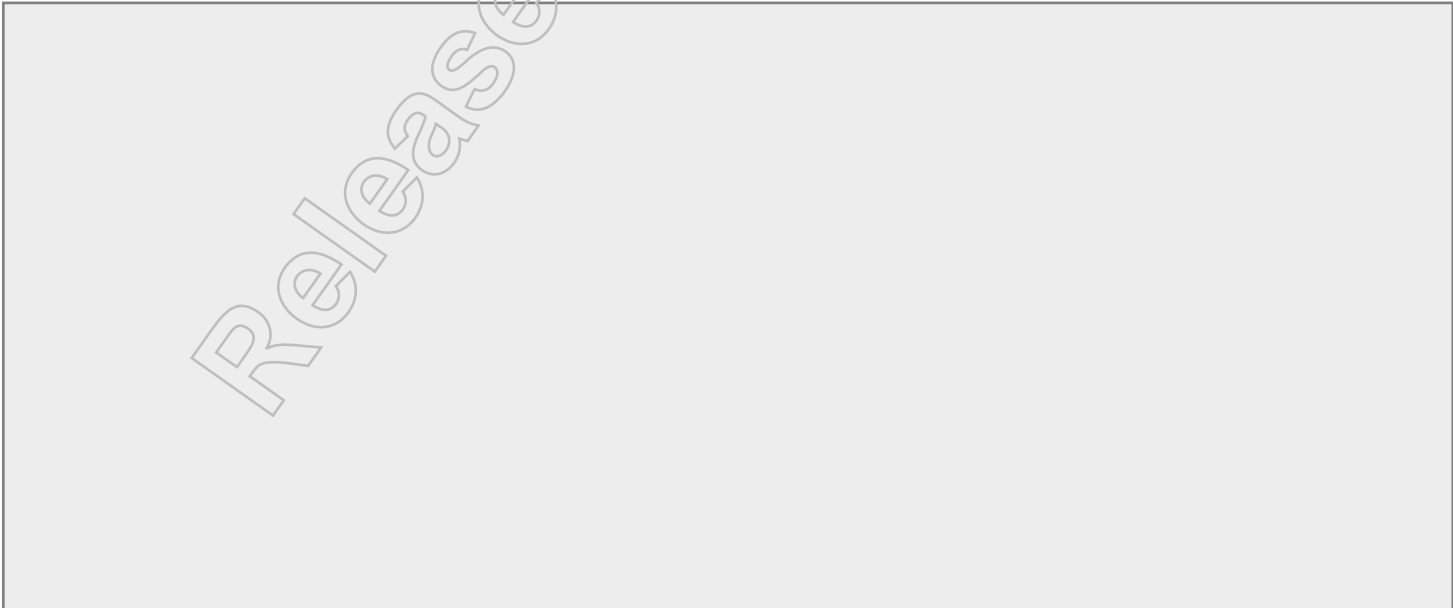
Public Health

- As at 1200hrs, water supply to Cungulla is expected to lose power. Residents advised to store water and fill points are available. A fill point will also be made available to residents at the reservoir. Boil water alert likely to be issued for water provided at reservoir as chlorination will cease upon loss of power.
- Wujal Wujal waste water pump station remains without power. Plans are in place to service the pump station and the community.
- Townsville may experience discolouration in the drinking water – no issues from water quality.
- Public health units are attending evacuation centres.

Power and Water Summary



Transport Summary

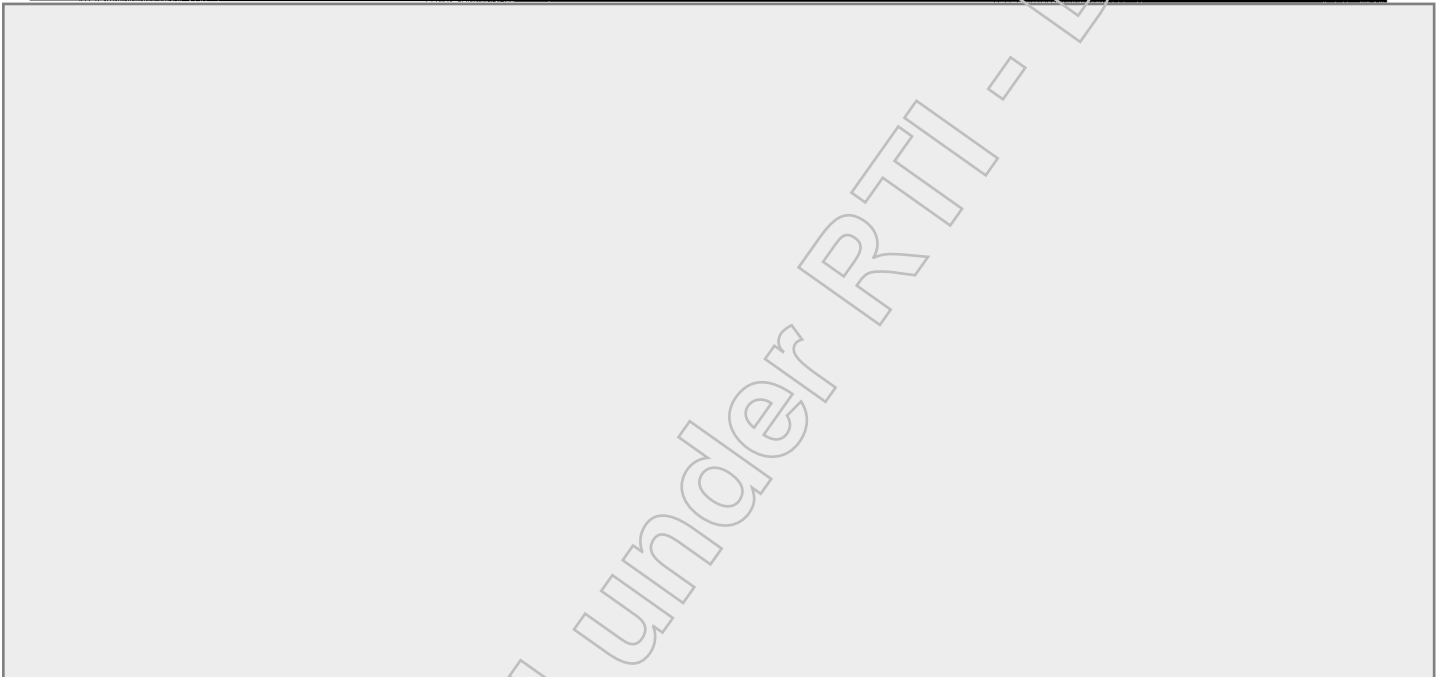


Released under RTI - DPC





Communications and Information Technology Summary



Human / Social Summary

Department of Child Safety, Youth and Women

Submitted By Thomas Alisop **Date / Time** 03/02/2019 13:37hrs

- The department continues to closely monitor the event and has processes in place to ensure the ongoing safety of vulnerable clients.
- Contact has been made with all carers, care services and youth residential services, prioritising those already impacted or potentially impacted.
- The Information, Innovation and Recovery Division is assisting with the ICT-related establishment of DCDSS Community Recovery functions, as required.

Department of Communities, Disability Services and Seniors

Submitted By James Parker **Date / Time** 03/02/2019 14:07hrs

- DRFA - Personal Hardship Assistance Scheme (PHAS) and Essential Services Safety and Reconnection Scheme are now activated for the following defined locations:



State Update 10 for Active Monsoon FNQ as at 1600hrs on 03/02/2019

- Townsville City Council - Bluewater Park, Bohle, Burdell, Condon, Deeragun, Jensen, Kelso, Kirwan, Mt Low, Rasmussen, Saunders Creek (Bohle Plains), South Townsville, Stoney Creek (Roseneath), Stuart, Townsville City, Wulguru, Beach Holm, Cluden, Hermit Park, Idalia, Oonoonba, Railway Estate, Rosslea, Yabulu, Alligator Creek, Black River, Bluewater, Julago, Nome and Toolakea.
- Burdekin Shire Council – Barratta, Cromarty, Giru, Horseshoe Lagoon, Jerona, Mount Surround, Shirbourne, Upper Haughton and Majors Creek (Burdekin Shire).
- Douglas Shire Council – Daintree, Upper Daintree, Lower Daintree, Degarra, Stewart Creek Valley and identified properties within the Douglas Shire.
- Cook Shire Council - Bloomfield (including Ayton), Rossville (including Shiptons Flat)
- Wujal Wujal Aboriginal Shire Council.
- The department has requested activation of PHAS and ESSRS in the following additional locations:
 - Townsville City Council - West End, Garbutt, Rowes Bay, Hyde Park, Aitkenvale, Currajong, Pimlico, Mysterton and Mundingburra.
- To date, **1244** applications received for emergency hardship assistance.
- DCDSS has a team assisting the Department of Housing and Public Works, Australian Red Cross and Uniting Care Qld (Lifeline) to provide support to vulnerable clients of Housing services.
- Ready Reserves are supporting Townsville residents in community spaces such as shopping malls as weather permits. Staff are providing information about the online and over the phone grant application channels and evacuation centres.
- More than **160** Ready Reserves supporting recovery efforts in the affected communities. Additional Ready Reserves will be deploying to Townsville today. There are **1550** trained and approved Ready Reserves and **307** remain available for deployment this week.
- There has been **736** calls to the Hotline to date.

Department of Education

Submitted By Dave Sheedy Date / Time 03/02/2019 13:54hrs

- **School Closures**
 - **42** State Schools
 - **21** Catholic and Independent schools
 - **118** Early Childhood Early Care Centres
- At this stage, **42 State Schools will remain closed tomorrow - 04/02/2019.**
- DoE NQR office remains **closed** and phone communication has been diverted to FNQR office, due to water releases from the Ross River Dam.
- The NQR RRT will continue to meet and monitor the situation.
- Working closely with local TMR, QPS, QFES, LDMG and DDMG monitoring the situation and will make further decisions in relation to schools as determined by advice received.
- DoE and DHPW (BAS) are working together developing a Rapid Damage Assessment (RDA) program. This program informs the Rectification and Reinstatement program. This program of work will commence as soon as access is available to impacted areas.

Department of Justice and Attorney-General

Submitted By Tracey Nelson Date / Time 03/02/2019

- Judges and Magistrates have decided that **no court will operate** in Townsville tomorrow apart from hearing of any in custody (arrest court) matters in the Magistrates Court. The courthouse registry will also **close** to allow staff to remain at home.



State Update 10 for Active Monsoon FNQ as at 1600hrs on 03/02/2019

- Office of the Director of Public Prosecutions Office will also be **closed** to allow staff to stay off roads in accordance with local advice.
- Further updated advice about status of other DJAG offices will be provided when received.

Environmental Summary

Department of Environment and Science

Submitted By Brydn McDonnell Date / Time 03/02/2019 14:07hrs

- DES activated the Northern Natural Disaster and Environmental Incident Response Plan on 02/02/19. A small team has been **stood up** to respond to any emergent issues over the course of the weekend. The full response team will stand up on 04/02/19 and operate from the DES Cairns regional office.
- A number of industrial sites across Townsville have been impacted by inundation and as a result have commenced discharging to the receiving environment. Sampling regimes, where safe to do so, are in place and DES will maintain contact will impacted sites. High levels of dilution due to significant rainfall and flooding is likely to minimise the potential for environmental harm.
- A number of national parks in the affected areas have been **closed** or **partially closed**. Park alerts are in place that detail all closures and relevant visitor information online.
- **Minor damage** to national park infrastructure has been reported around Townsville, Mossman and Daintree areas.

Department of Natural Resources, Mines and Energy

Submitted By Sarndra Bell-Clews Date / Time 03/02/2019

- There are **no** issues or concerns with DNRME Dams in the affected areas, teams continue to monitor and report through local and district groups:
 - **Copperfield Gorge Dam** is at **Lean Forward**, latest data suggests the peak has occurred and water levels in the dam are slowly receding.
 - **Corella Dam** is at **Lean Forward**, with reservoir levels remaining steady – notifications have been made to downstream residents and local disaster management groups.
 - **Crooks Dam** is **spilling minor** flows and has not reached EAP activated.
- All Water Monitoring Information Systems are operational with no issues reported.
- Drinking water issues (6 water incidents) are being dealt with proactively, with DNRME and Queensland Health working closely with the local councils to provide solution for affected areas. Main focus on:
 - Townsville City (Cungulla Population 290, boil alert);
 - Palm Island (boil alert);
 - Wujal Wujal (boil alert);
 - Tablelands (boil alert);
 - Cassowary Coast (boil alert); and
 - Burdekin (conserve water).
- Generation remains **online** and Capacity, Demand and Reserve levels are well placed.
- Origin Energy's LPG reticulation system to the Townsville suburb of Annandale (164 customers) is still **offline**. Origin is monitoring and has resources in place to reinstall supply when safe to do so.
- Several remote abandoned mines sites (including their tailings dams) are located within the immediate and surrounding watch areas. DNRME are closely monitoring these sites with personnel and contractors on site to address the immediate concerns and reduce the risk of uncontrolled releases. Access to some of these sites will be limited until it safe to do so.
- There are **no** current impacts to fuel terminals in the Townsville region.



State Update 10 for Active Monsoon FNQ as at 1600hrs on 03/02/2019

Sunwater

Submitted By Michael Hughes Date / Time 03/02/2019

- Emergency Action Plans active for 7 dams - Burdekin Falls, Eungella, Julius, Kinchant, Ross River, Teemurra and Tinaroo Falls.
- Sunwater directed by Townsville City Council to move Ross River Dam gates to **automatic operation**, which occurred at 1200hrs today. As at 1340hrs, gates currently open to **3.75m (236%)**.
- Rainfall falling directly onto Ross River Dam - peak level may occur earlier than predicted, with lake levels rising rapidly. **Next automatic gate increment will result in the middle release gate opening fully with a likely total discharge of 1300m³/s.**
- Tinaroo Falls Dam commenced **spilling** water at 1030hrs today. Currently at 101% capacity.
- As at 1110hrs, Burdekin Falls Dam level **rising** - 3.35m over the spillway (150% capacity).
- As at 1140hrs, Julius Dam level **decreasing** - 2.21m over the spillway (129% capacity).

Economic Summary

Department of Agriculture and Fisheries

Submitted By Vern Rudwick Date / Time 03/02/2019 13:47hrs

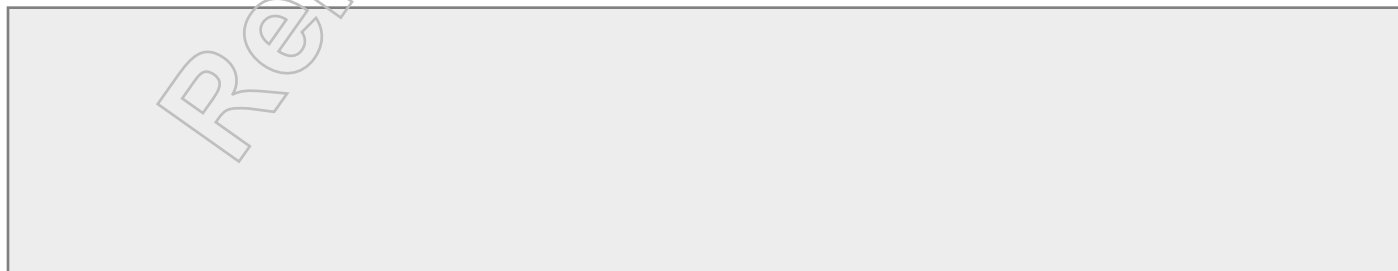
- DAF staff largely monitoring situation for producers, no impact data collection over the weekend.
- DAF offices in Townsville, Ayr and Ingham are will **remain closed** tomorrow 04/02/19.
- Other DAF locations in North Queensland will be **open**.
- The State Agriculture Coordination Group between Government and Industry to determine appropriate post event recovery actions will be held on Tuesday 05/02/19.

Department of Employment, Small Business and Training

Submitted By Suzy Reiche Date / Time 03/02/2019 12:16hrs

- DESBT and the Queensland Reconstruction Authority have liaised regarding key contact points and preparations for activation of small business recovery arrangements, including process for activating DRFA funding. At this stage, a meeting between DESBT and QRA (Mark Drew) is being arranged for Monday morning to discuss next steps.
- TAFEQ confirms that the Pimlico, Bohle, Atikenvale and Palm Island campuses will **remain closed on Monday**. TAFEQ will continue to monitor the conditions surrounding the Ingham and other outer campuses to determine if safe to open for students and staff.
- TAFEQ is updating students, staff and public through its website, social media and email/text message notifications. Damage assessments of the TAFE campus's will be undertaken once safe to travel.
- DESBT Townsville office will **remain closed** tomorrow 04/02/19; this will be reviewed on a daily basis.

Other Agencies Summary





Approval

Prepared Senior Sergeant Tonya Graham – Operations.

Endorsed Inspector John Bosnjak – Operations Coordinator.

Approved Superintendent Shane Holmes – Commander.

Next Report The next State Update will be issued at 0800hrs on 04/02/2019.



Key Messaging

Report Time

03/02/2019 16:00

Report ID

R13201721

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- Heavy rain continues to fall across large parts of North Queensland, affecting areas from Innisfail to Mackay, and Townsville in particular.
- Residents are urged to plan ahead and take appropriate action to ensure their safety and the safety of their family.
- People who need to evacuate are asked to seek alternate accommodation with friends and family before seeking help from Townsville's four evacuation centres at Alligator Creek, Bluewater, Cranbrook and Heatley. For evacuation centre details, go to disaster.townsville.qld.gov.au.
- Approximately 20,000 Townsville residents are currently without power.
- Controlled releases of water are being undertaken for the Ross River Dam.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).
- Emergency Alerts are current for many areas across the region. Stay tuned to your local radio and follow the Queensland Police Service on social media for updates.
- Register.Find.Reunite is a Red Cross service allowing you to register to let people know you are safe. For more information visit register.redcross.org.au.

Sub Issue

Safety

- Extra emergency service personnel (QFES, QPS, QAS) are on the ground and working with partner agencies to respond to requests for assistance.
- The State Emergency Service (SES) received 187 requests between 5am and 2pm today (Sunday 3 February). Most of these were for the Townsville area and included requests to supply sandbags, flood assistance and tarps.
- For damage and flood assistance, contact the SES on 132 500 or log a job using the SES Assistance app.

Health

- Boil water alerts are in place for a number of locations, including Palm Island, a number of Torres Strait islands, and parts of the Cassowary Coast and Tablelands council areas. Contact your local council for information.

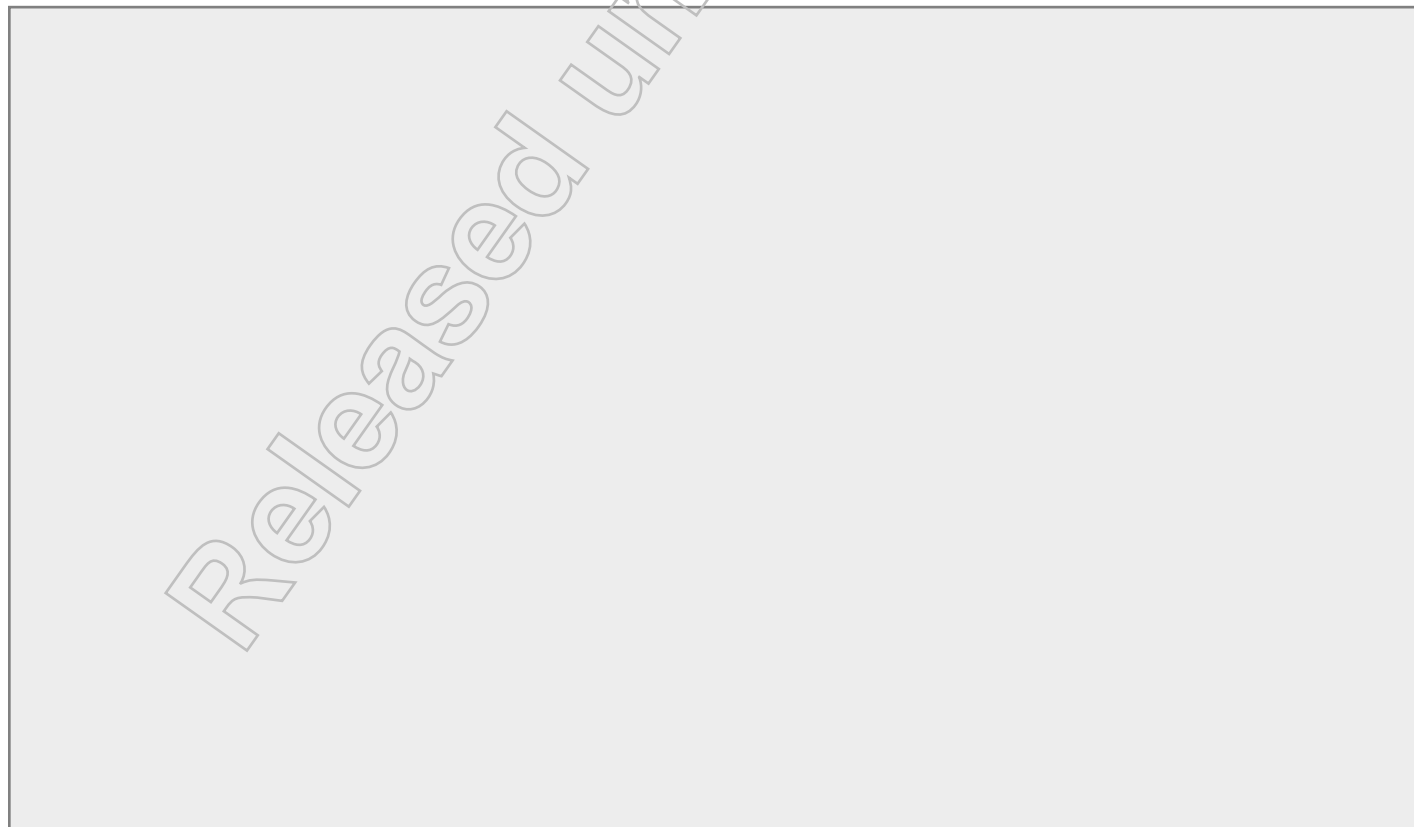
General advice



Key Messaging

- If residents are having issues with sewage entering their property, information is available on the Townsville City Council website at www.townsville.qld.gov.au/water-waste-and-environment/waste-water/common-wastewater-questions.
- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor.
- It is important residents avoid water activities until local councils can confirm water quality is safe again. Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.
- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Be Crocwise and if you see a crocodile, please report it as soon as possible by calling 1300 130 372. If you see a snake, don't attempt to catch or remove it – contact a local licensed snake removalist if you need assistance.
- If you have lost power, the food in your fridges and freezers may have been impacted. Keep fridge and freezer doors closed for as long as possible – the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood damaged foods. When it comes to food safety, always remember that if in doubt, throw it out.

Transport



Closure of public facilities/schools

Released under RTI - DPC



Key Messaging



Agriculture



Electrical safety

- Customers who have had their switchboard or homes inundated will require inspection by a licenced electrical contractor prior to their individual reconnection, including solar panels. Information can be found at www.masterelectrician.com.au/page/Consumers/Electrical_tips/Severe_Weather/.
- Make sure you know where to turn off your power, gas and water supply in an emergency.
- If you've lost power, turn off your power points and unplug electrical equipment.
- If flood waters are expected, switch off and unplug electrical equipment, then move it to higher locations.
- Unplug outside TVs and non-fixed aerals and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity supplier.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that may be lying around your house.

Key Messaging

- If you've lost power, contact your local electrical supplier who should be able to advise when power will be re-connected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as kettles, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be re-connected.
- Power from generators can be dangerous if incorrectly managed.

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If your solar PV system has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.
- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at www.ditid.qld.gov.au/tourism/tourism-planning.

Hot Issues

If asked question

- Response

Approval

Prepared	Ben Armstrong - Coordinator	03/02/2019 16:22
Endorsed	Ben Armstrong - Coordinator	03/02/2019 16:22
Approved	Jody Rossner - Roster Officer	03/02/2019 16:48

Released under RTI - DPC



Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 12:32 AM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Ross R at Ross River Dam.JPG; Ross R at Aplin Weir.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross and Bohle Rivers and Flood Warning for the Black River and Bluewater Creek

Issued at 11:56 pm EST on Saturday 2 February 2019

Flood Warning Number: 29

Renewed major flood levels are possible in the Bohle River at Mt Bohle overnight Saturday into Sunday. Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are currently rising and approaching the minor flood level.

The Ross River at Aplin Weir is currently at 2.31 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) during Sunday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River. Moderate flooding is continuing further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be just below the major flood level of 7.00 metres and falling. The Bohle River at Mt Bohle is likely to remain around the major flood level (7.00 m) overnight Saturday into Sunday.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are likely with the heavy rainfall expected overnight Saturday into Sunday.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 06:00 am EST on Sunday 03 February 2019.

Latest River Heights:

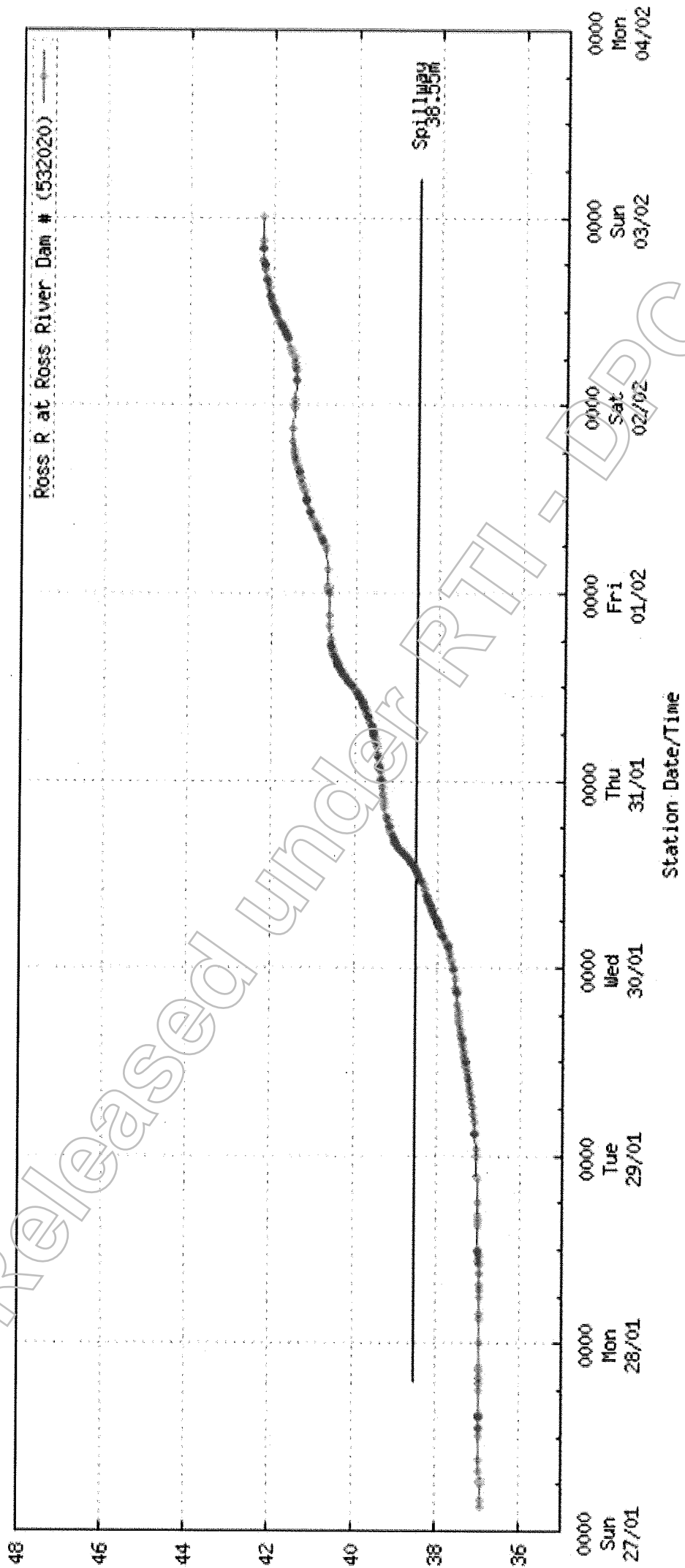
Lt Bohle R u/s Bohle Junction Alert, 1.89, Falling, 11:41 PM SAT 02/02/19
Bohle R at Hervey Range Rd Alert, 6.60, Falling, 11:44 PM SAT 02/02/19
Bohle R at Dalrymple Rd Alert, 10.59, Falling, 11:37 PM SAT 02/02/19
Black R upstream Bruce Hwy Alert, 2.29, Falling, 11:48 PM SAT 02/02/19
Bluewater Ck at Bluewater Alert, 4.73, Falling, 11:43 PM SAT 02/02/19
Ross R at Ross River Dam Alert, 42.29, Steady, 09:02 PM SAT 02/02/19
Ross R at Black Weir (Riverway) Alert, 1.80, Falling, 11:45 PM SAT 02/02/19
Ross R at Aplin Weir Alert, 2.31, Rising, 11:46 PM SAT 02/02/19
Ross R at Rooneys Bridge Alert, 3.90, Rising, 11:03 PM SAT 02/02/19
This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: [REDACTED]
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

ata from the previous 7 days.



Ross R at Ross River Dam # (532020)

Spillway 38.5m

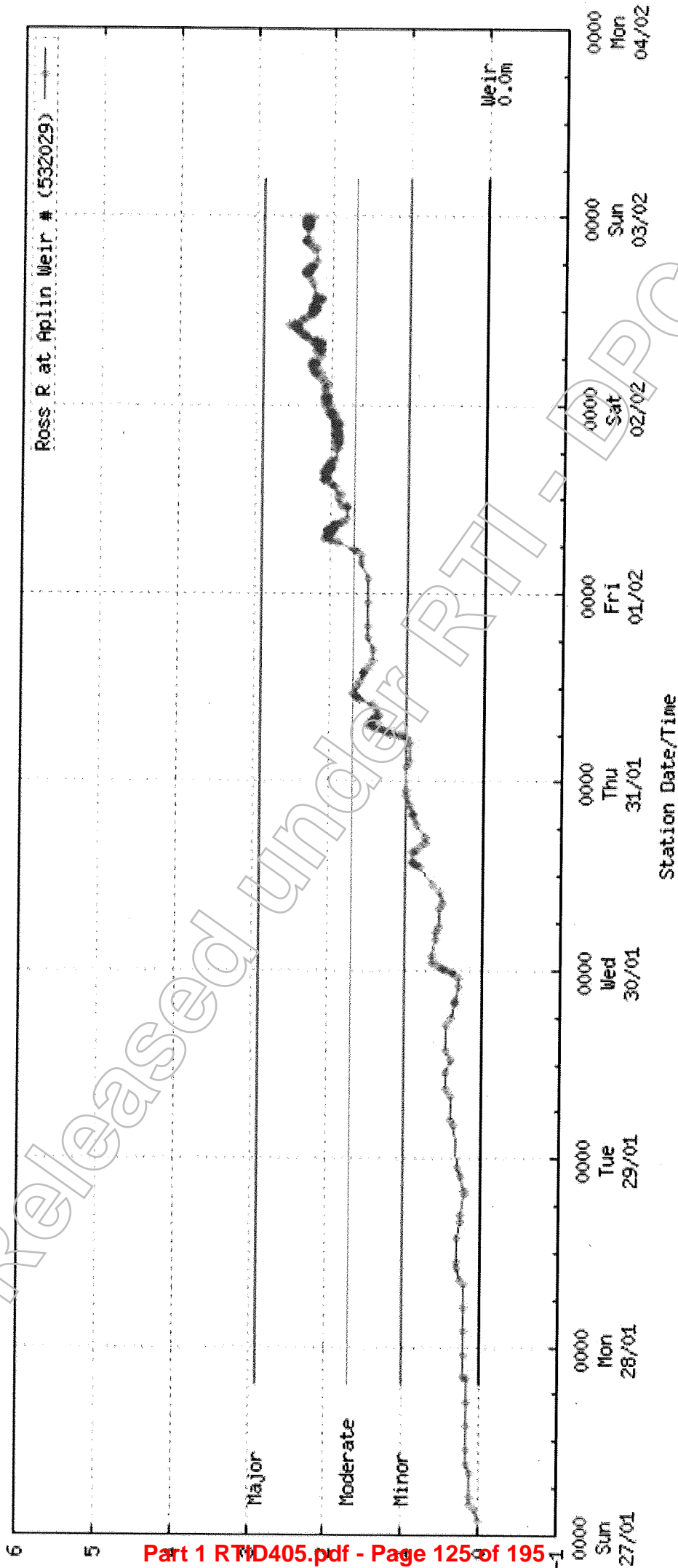
Station Date/Time

Australian Government Bureau of Meteorology

(Generated: 03/02/2019 00:12:41)

Released under RTI - DPC

ia from the previous 7 days.



Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 9:34 AM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Bohle River Hervey Range.png; Ross River Aplin Weir.png; IDQ65136 as at 0916 030219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A Severe Weather Warning remains current for this catchment. BoM will issue localised Severe Thunderstorm Warnings if rainfall totals increase.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek

Issued at 8:58 am EST on Sunday 3 February 2019

Flood Warning Number: 31

Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall. Moderate flood levels are expected to continue in the Bohle River at Mt Bohle during Sunday.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are currently rising and approaching the minor flood level.

The Ross River at Aplin Weir is currently at 2.51 metres and rising. Further

rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) overnight Sunday into Monday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River. Moderate flooding is continuing further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 12:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.34, Rising, 08:39 AM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.20, Steady, 08:23 AM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 9.79, Steady, 08:30 AM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 2.69, Rising, 08:18 AM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 4.88, Rising, 08:33 AM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.21, Falling, 03:37 AM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 1.80, Falling, 07:24 AM SUN 03/02/19

Ross R at Aplin Weir Alert, 2.51, Rising, 08:37 AM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.00, Rising, 08:12 AM SUN 03/02/19

Townsville Harbour Tide Alert, 3.70, Rising, 08:20 AM SUN 03/02/19

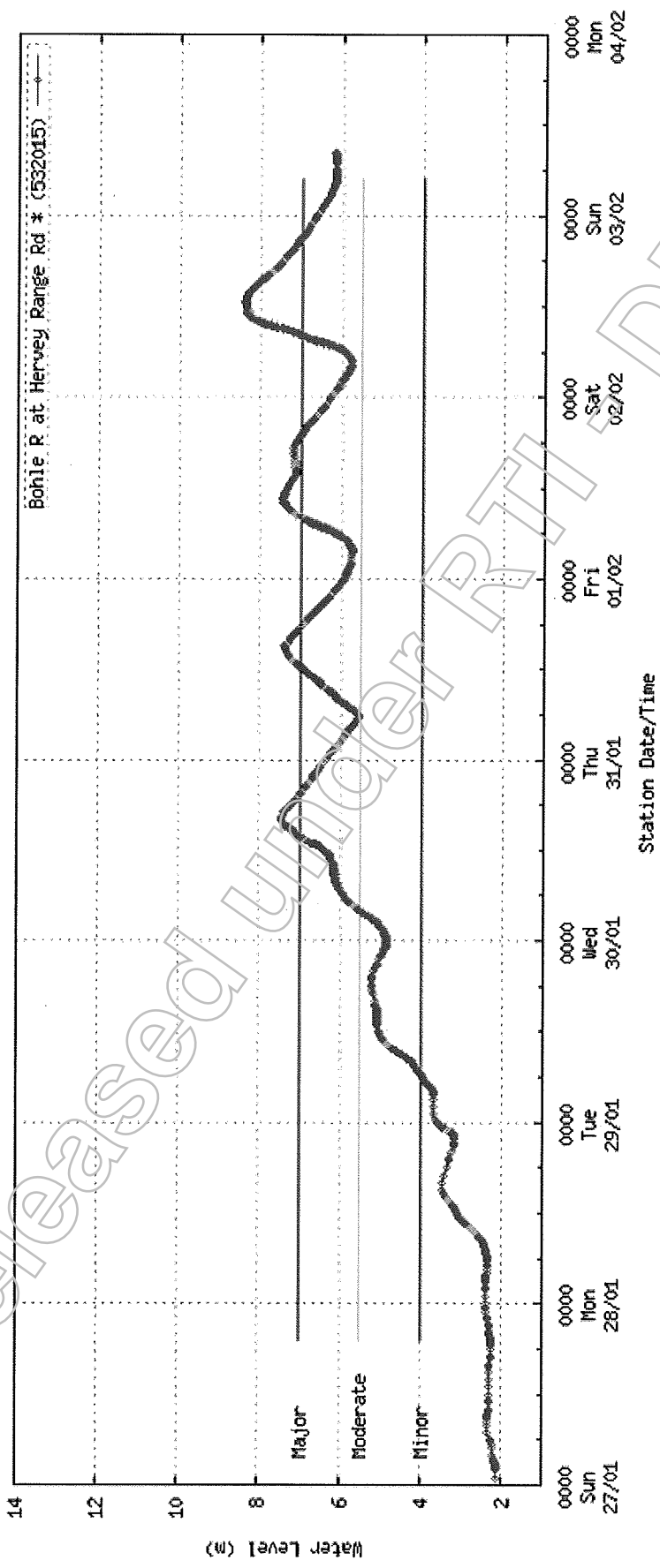
Cape Ferguson Tide TM, 3.47, Rising, 07:53 AM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

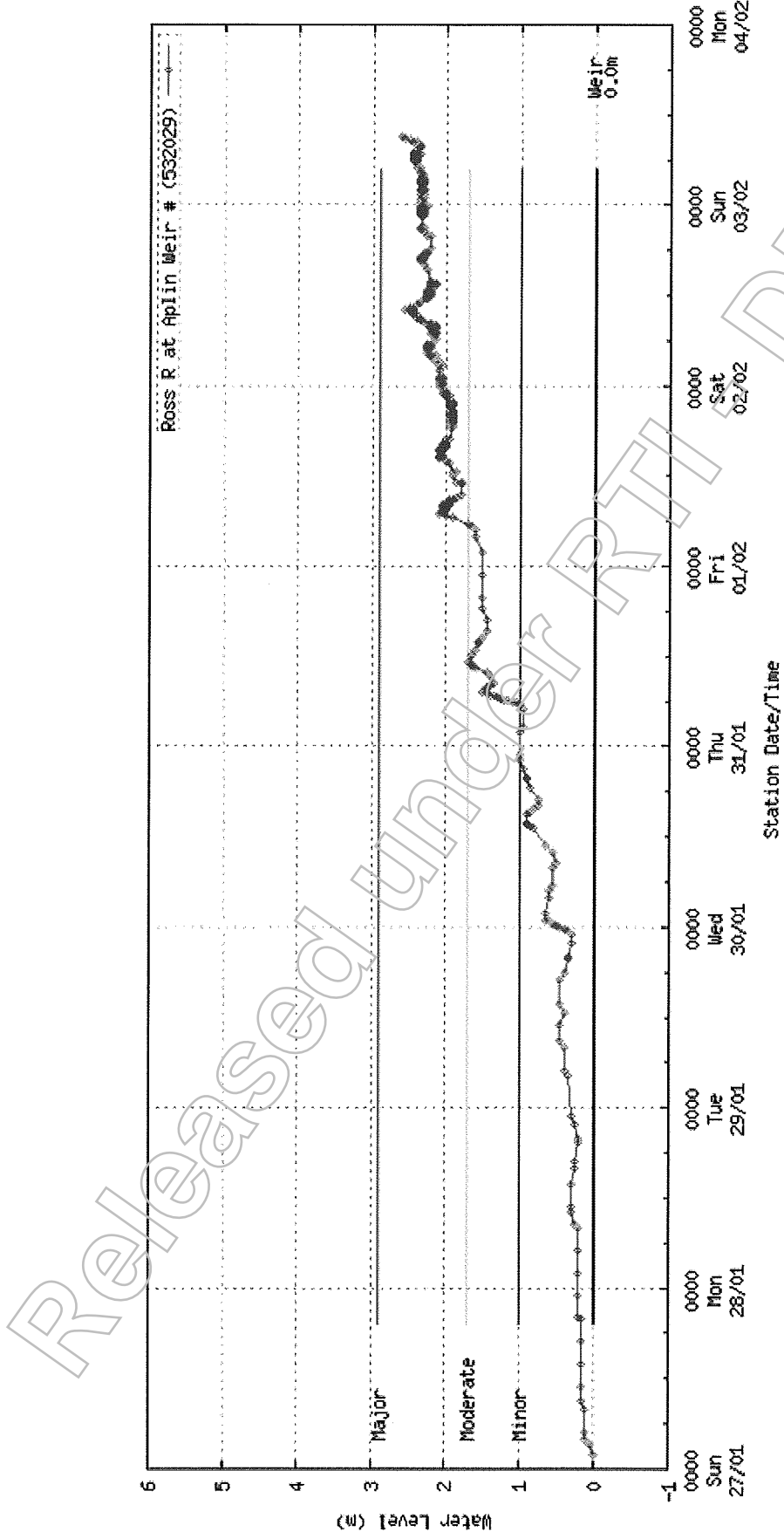
State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: [REDACTED]
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au



(Generated: 03/02/2019 09:12:27)

Australian Government Bureau of Meteorology

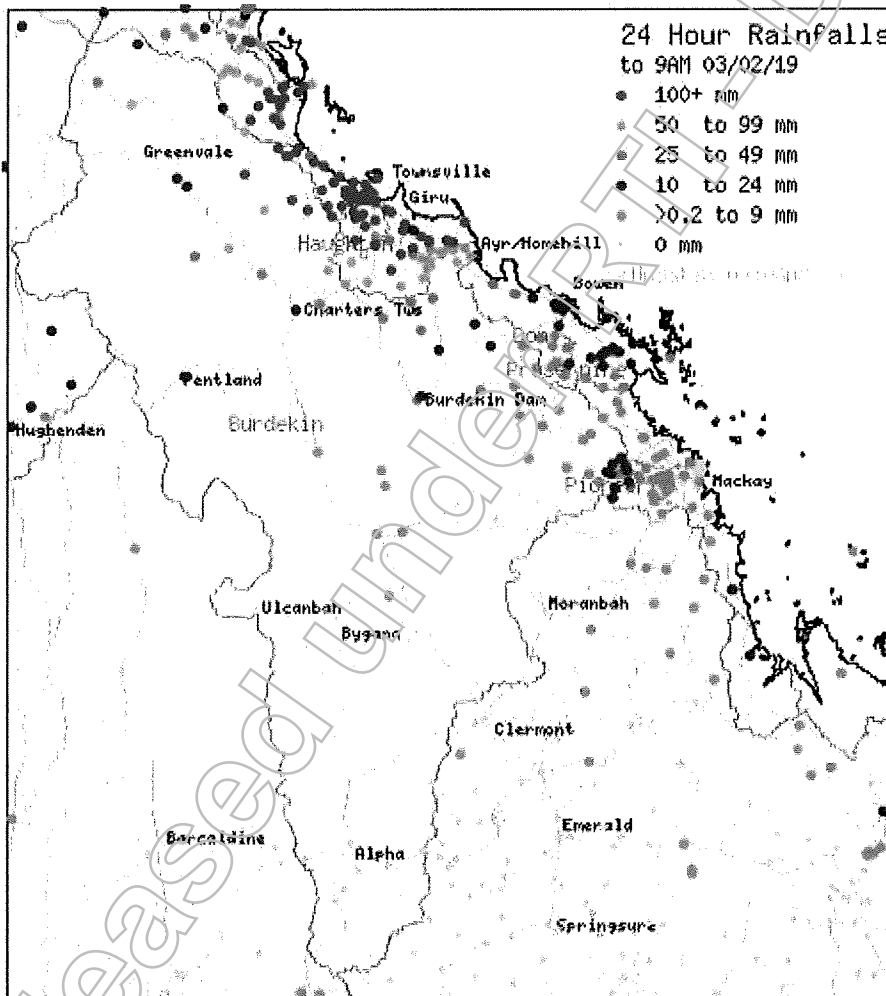
Released under RTI / DRP



(Generated: 03/02/2019 09:12:23)

Australian Government Bureau of Meteorology

Released under RTI DPC



Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 1:10 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Ross River Aplin Weir 1302 030219.PNG; Bohle River Hervey Range 1303 030219.PNG; IDQ65145 as at 1306 030219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

SEWS is current for a **Severe Thunderstorm** over this catchment

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek

Issued at 12:47 pm EST on Sunday 3 February 2019

Flood Warning Number: 32

High intensity rainfall has been observed in the Ross River catchment upstream and around the Ross River Dam.

Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall. Moderate flood levels are expected to continue in the Bohle River at Mt Bohle during Sunday.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are currently rising and approaching the minor flood level.

The Ross River at Aplin Weir is currently at 2.66 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) overnight Sunday into Monday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River with renewed rises occurring.

Major flooding is continuing further downstream with renewed rises.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 03:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.94, Falling, 12:36 PM SUN 03/02/19
Bohle R at Hervey Range Rd Alert, 6.95, Rising, 12:39 PM SUN 03/02/19
Bohle R at Dalrymple Rd Alert, 10.44, Rising, 12:34 PM SUN 03/02/19
Black R upstream Bruce Hwy Alert, 3.04, Falling, 12:18 PM SUN 03/02/19
Bluewater Ck at Bluewater Alert, 5.03, Falling, 12:18 PM SUN 03/02/19
Ross R at Ross River Dam Alert, 42.57, Rising, 12:40 PM SUN 03/02/19
Ross R at Black Weir (Riverway) Alert, 1.95, Steady, 12:45 PM SUN 03/02/19
Ross R at Aplin Weir Alert, 2.66, Rising, 12:44 PM SUN 03/02/19
Ross R at Rooneys Bridge Alert, 4.10, Steady, 11:49 AM SUN 03/02/19
Townsville Harbour Tide Alert, 2.05, Falling, 12:41 PM SUN 03/02/19
Cape Ferguson Tide TM, 2.42, Steady, 11:53 AM SUN 03/02/19
This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

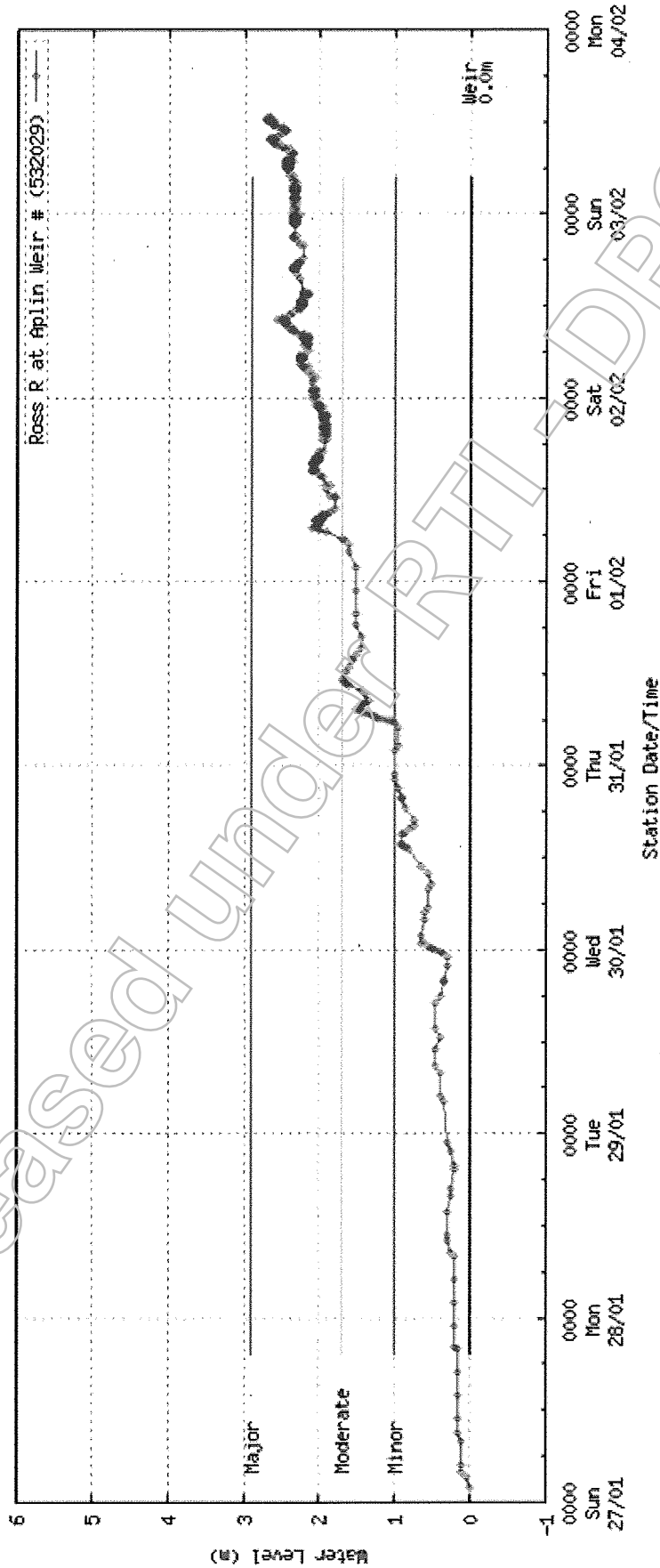
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Station details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900
 Flood levels: Minor: 1.00 Moderate: 1.70 Major: 2.90

Data from the previous 7 days.

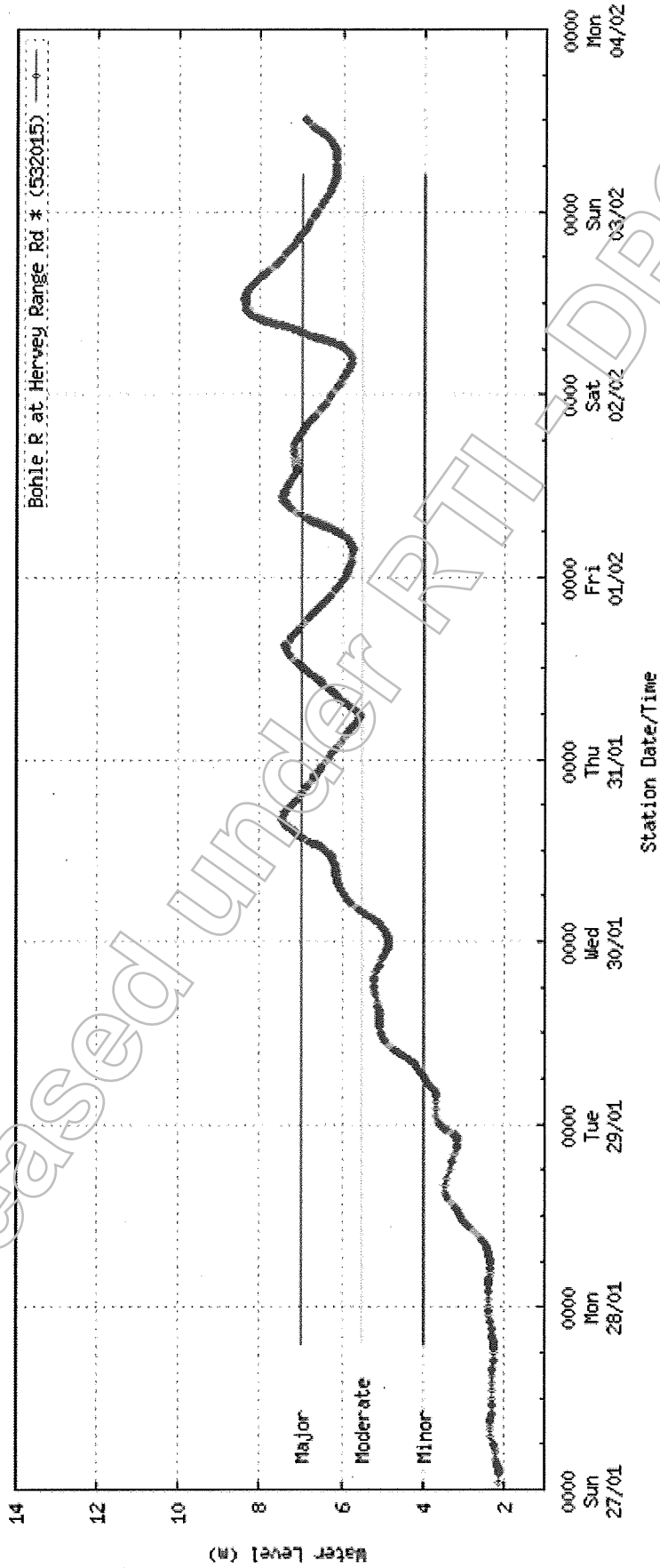


(Generated: 03/02/2019 12:42:56)

Australian Government Bureau of Meteorology

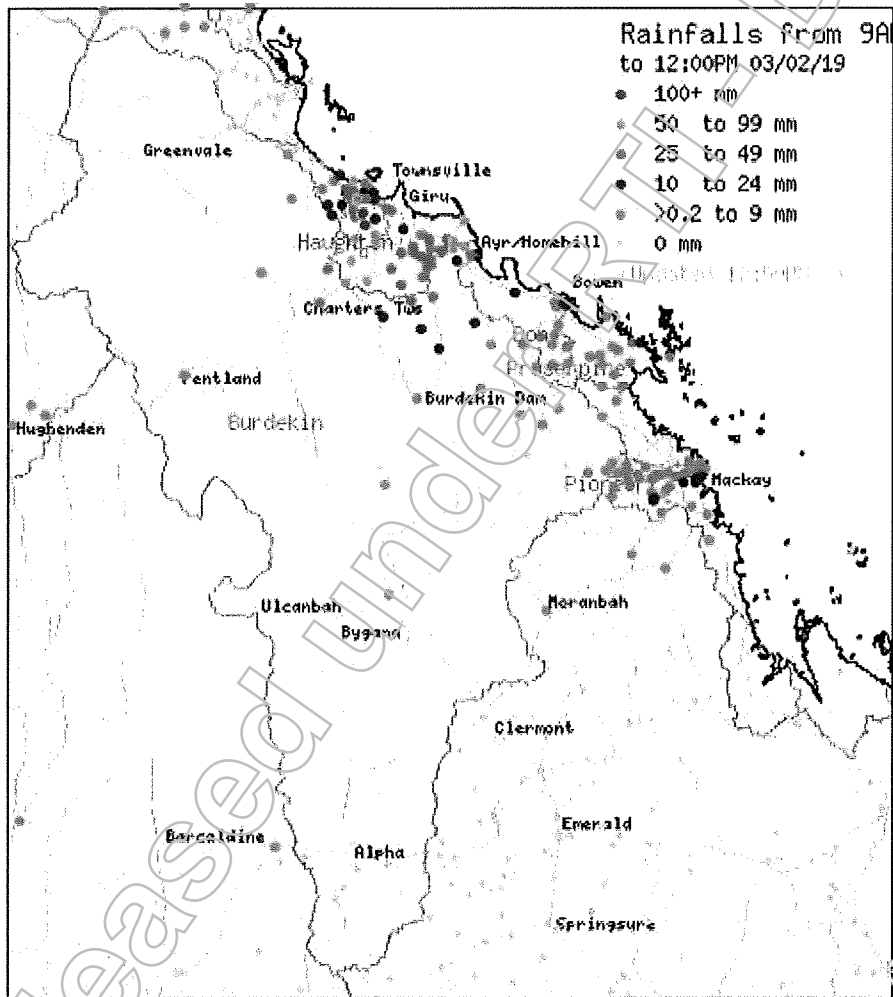
Station details: Station Number: 532015 Name: Bohle R at Hervey Range Rd * Owner: DNRM:118003
 Flood levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

Data from the previous 7 days.



Australian Government Bureau of Meteorology

(Generated: 03/02/2019 12:43:00)



Released under the DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 2:23 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Bohle River Hervey Range 1417 030219.PNG; IDQ65145 as at 1418 030219.gif; Ross River Aplin Weir 1418 030219.PNG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A Severe Weather Warning and Severe Thunderstorm Warning remains current for this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek

Issued at 2:03 pm EST on Sunday 3 February 2019

Flood Warning Number: 33

High intensity rainfall has been observed in the Ross River catchment upstream and around the Ross River Dam. Rainfall estimates suggest at least 300 mm in 3 hours may have occurred in isolated locations.

Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall. Moderate flood levels are expected to continue in the Bohle River at Mt Bohle during Sunday.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. Minor flood levels at Black Weir are

currently rising.

The Ross River at Aplin Weir is currently at 2.56 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) overnight Sunday into Monday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River with renewed rises occurring.

Major flooding is continuing further downstream with renewed rises.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 04:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.99, Falling, 02:01 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.90, Falling, 01:59 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.59, Rising, 01:39 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 2.44, Falling, 01:58 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 4.18, Falling, 01:58 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.69, Rising, 01:52 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 1.95, Rising, 01:47 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 2.56, Rising, 02:01 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.10, Falling, 01:48 PM SUN 03/02/19

Townsville Harbour Tide Alert, 1.70, Rising, 01:53 PM SUN 03/02/19

Cape Ferguson Tide TM, 1.74, Steady, 01:33 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

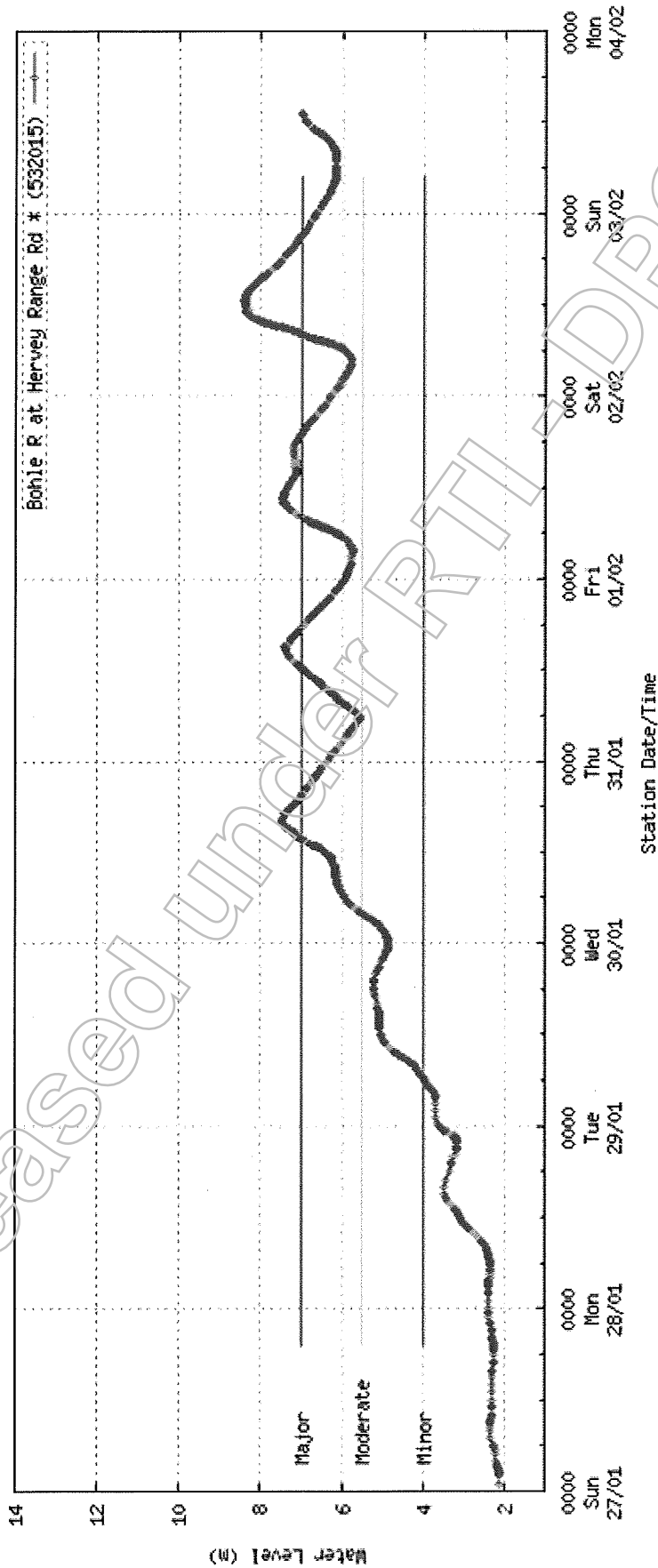
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: [REDACTED]
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

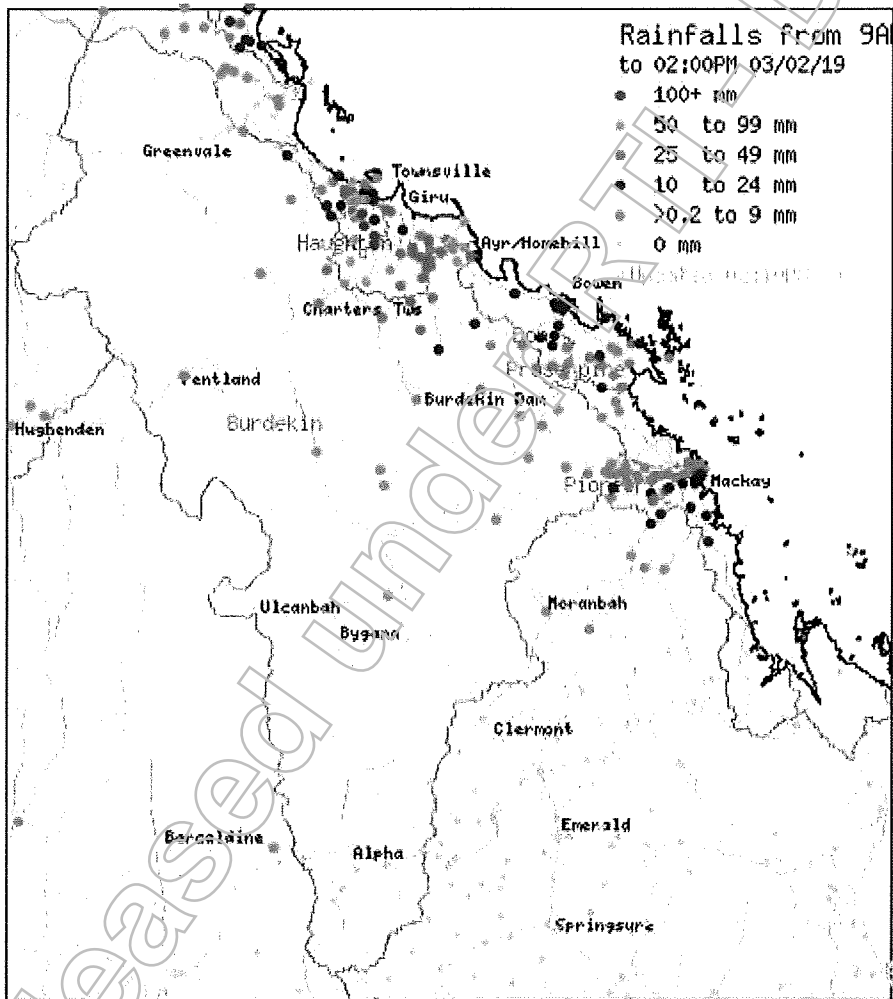
Station details: Station Number: 532015 Name: Bohle R at Hervey Range Rd * Owner: DNRM:118003
 Flood levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

Data from the previous 7 days



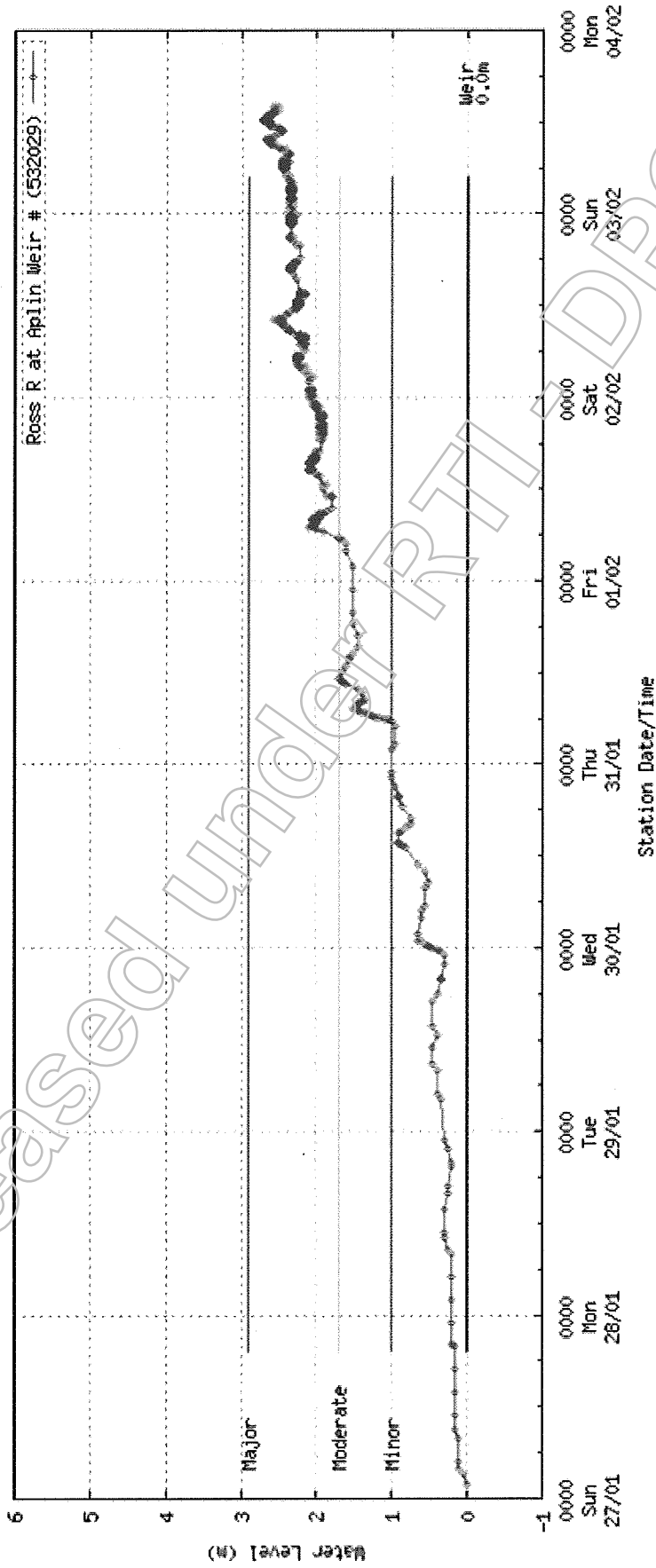
Australian Government Bureau of Meteorology

(Generated: 03/02/2019 14:12:22)



Released under the Official Information Act 2009

Station details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900
 Flood levels: Minor: 1.00 Moderate: 1.70 Major: 2.90
 Data from the previous 7 days.



Australian Government Bureau of Meteorology
 (Generated: 03/02/2019 14:12:16)

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 3:10 PM
To: Georgia Voutsis
Subject: Increased Severity Flood Warning - SEWS for Ross River Catchment
Attachments: Ross River Dam as at 1457 030219.PNG; IDQ65145 as at 1457 030219.gif

Dear Senior Policy Officer Georgia Voutsis,

Increased Severity Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

BOM have cancelled the SEWS Thunderstorm Warning and increased the FLOOD WARNING TO INCLUDE SEWS.
Rainfall over the dam has eased with further falls still occurring in the catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.
TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek

Issued at 2:51 pm EST on Sunday 3 February 2019

Flood Warning Number: 34

High intensity rainfall has been observed in the Ross River catchment upstream and around the Ross River Dam. Rainfall estimates suggest at least 300 mm in 3 hours may have occurred in isolated locations.

Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall. Moderate flood levels are expected to continue in the Bohle River at Mt Bohle during Sunday.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream

flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. Minor flood levels at Black Weir are currently rising.

The Ross River at Aplin Weir is currently at 2.46 metres and rising. The Ross River at Aplin Weir will reach the major flood level (2.90 m) late Sunday with continued rises expected overnight Sunday and into Monday.

Bohle River:

Flooding has eased on the Little Bohle River with renewed rises occurring.

Major flooding is continuing further downstream with renewed rises.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 04:00 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.54, Falling, 02:43 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.90, Rising, 02:39 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.59, Rising, 01:39 PM SUN 03/02/19

Bohle R at Mt Bohle Alert, Not Available

Black R upstream Bruce Hwy Alert, 2.34, Falling, 02:43 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 4.18, Falling, 01:58 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.73, Rising, 02:41 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 1.90, Falling, 02:08 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 2.46, Rising, 02:43 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.10, Falling, 01:48 PM SUN 03/02/19

Townsville Harbour Tide Alert, 1.45, Falling, 02:43 PM SUN 03/02/19

Cape Ferguson Tide TM, 1.61, Steady, 01:53 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

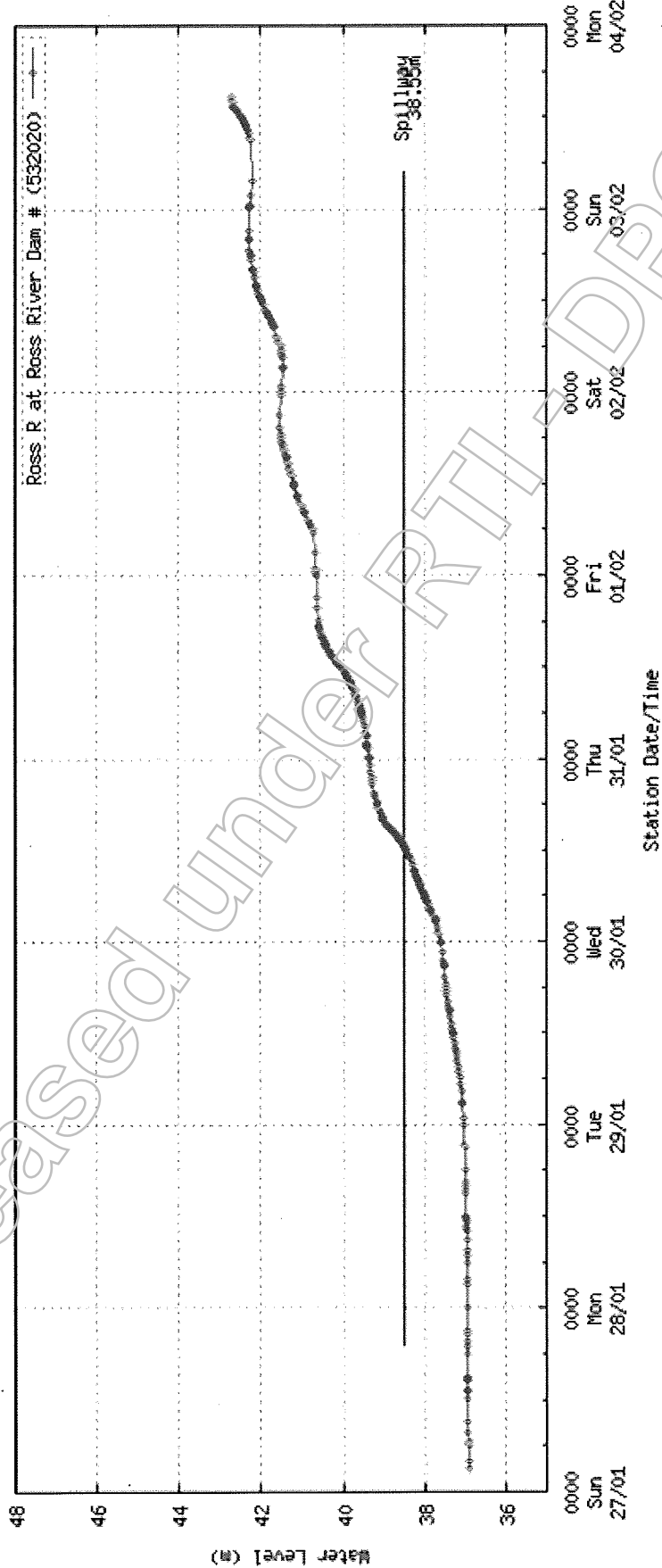
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

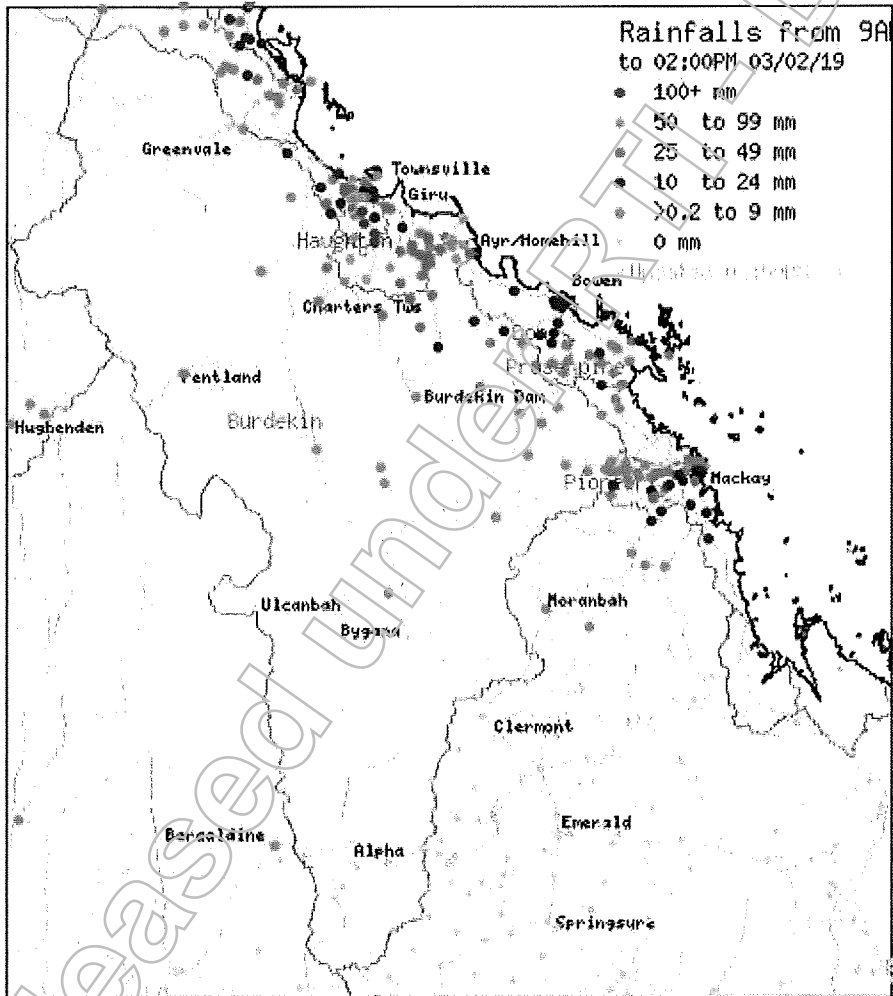
Station details: Station Number: 532020 Name: Ross R at Ross River Dam # Owner: TCC:118801

Data from the previous 7 days.



Australian Government Bureau of Meteorology

(Generated: 03/02/2019 14:42:52)



Released under the Official Information Act 1982 / DPC

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 4:08 PM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: Ross River Dam as at 1559 030219.PNG; Bohle River Hervey Range 1559 030219.PNG; IDQ65145 as at 1600 030219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A Severe Weather Warning remains current for this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek

Issued at 3:55 pm EST on Sunday 3 February 2019

Flood Warning Number: 35

High intensity rainfall has been observed in the Ross River catchment upstream and around the Ross River Dam. Rainfall estimates suggest at least 300 mm in 3 hours may have occurred in isolated locations.

Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall. Moderate flood levels are expected to continue in the Bohle River at Mt Bohle during Sunday.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. Minor flood levels at Black Weir are currently rising.

The Ross River at Aplin Weir is currently at 2.51 metres and rising. The Ross River at Aplin Weir will reach the major flood level (2.90 m) late Sunday with continued rises expected overnight Sunday and into Monday.

Bohle River:

Flooding has eased on the Little Bohle River with renewed rises occurring.

Major flooding is continuing further downstream with renewed rises.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 05:30 pm EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.19, Falling, 03:47 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 6.75, Falling, 03:49 PM SUN 03/02/19

Bohle R at Hervey Range Rd TM, 6.84, Falling, 03:10 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.54, Falling, 03:42 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 2.14, Falling, 03:33 PM SUN 03/02/19

Black R upstream Bruce Hwy TM, 2.20, Falling, 03:10 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 4.18, Falling, 01:58 PM SUN 03/02/19

Bluewater Ck at Bluewater TM, 3.75, Falling, 03:20 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.75, Rising, 03:09 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.00, Rising, 03:52 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 2.51, Rising, 03:52 PM SUN 03/02/19

Ross R at Rooney's Bridge Alert, 4.05, Falling, 03:08 PM SUN 03/02/19

Townsville Harbour Tide Alert, 1.60, Rising, 03:53 PM SUN 03/02/19

Townsville Harbour Tide TM, 1.52, Steady, 02:56 PM SUN 03/02/19

Cape Ferguson Tide TM, 1.46, Steady, 02:53 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

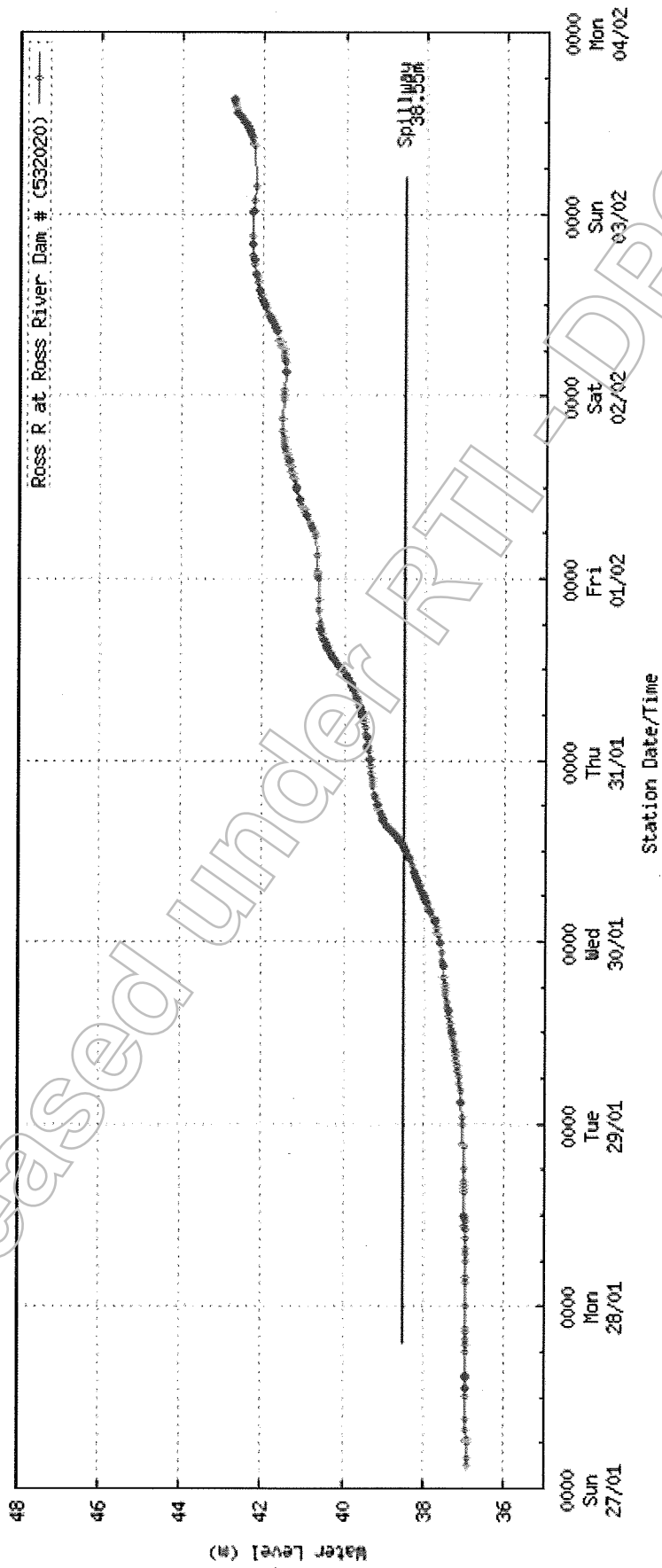
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Station details: Station Number: 532020 Name: Ross R at Ross River Dam # Owner: TCC:118801

Data from the previous 7 days.

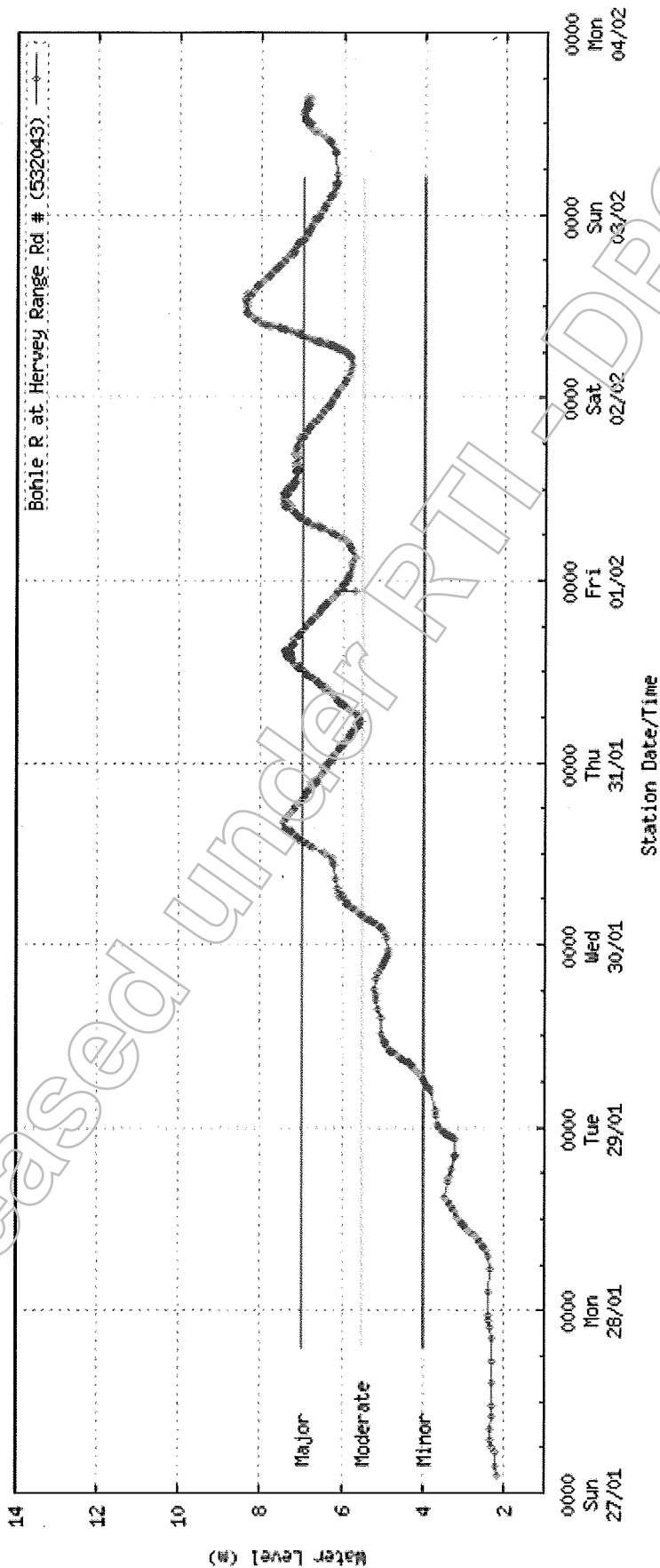


Australian Government Bureau of Meteorology

(Generated: 03/02/2019 15:41:50)

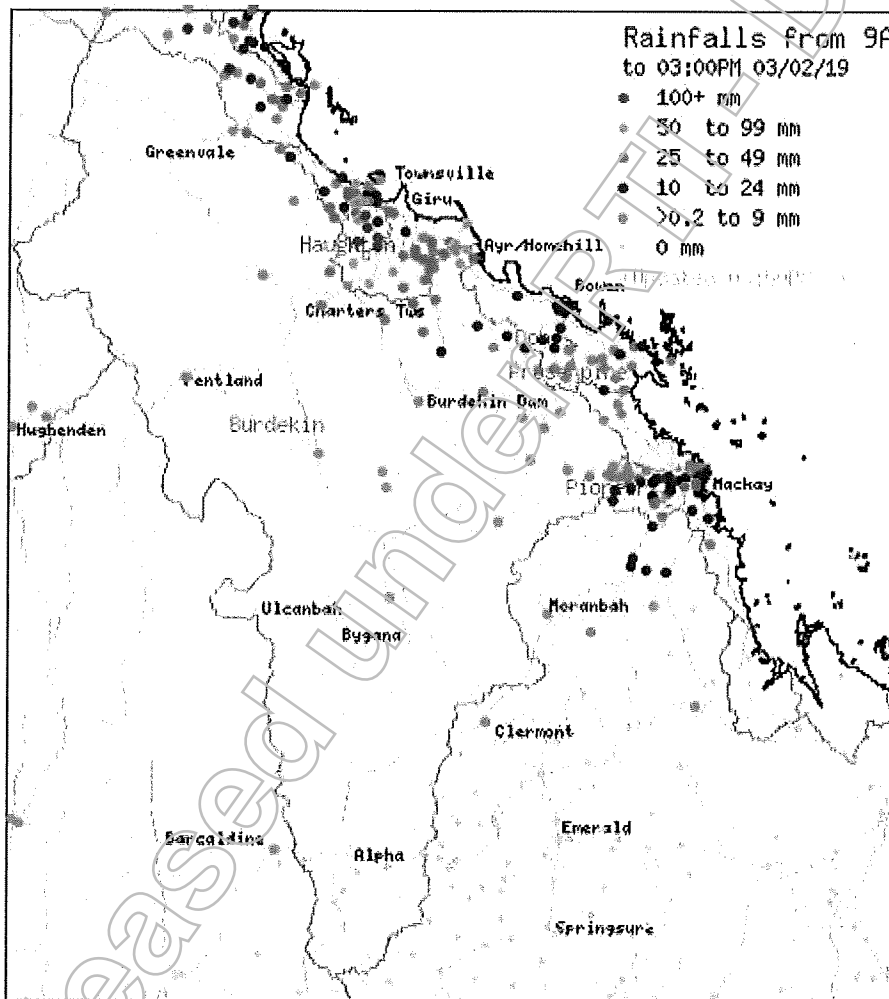
Station details: Station Number: 532043 Name: Bohle R at Hervey Range Rd # Owner: TCC:118907
 Flood levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

Data from the previous 7 days.



(Generated: 03/02/2019 15:41:57)

Australian Government Bureau of Meteorology



Released under RTI/DPC

Key Messaging

Report Time

03/02/2019 06:00

Report ID

R13177321

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- Record monsoonal rainfall has continued overnight and will continue into next week, with further heavy falls expected between Cairns and Bowen.
- Multiple Emergency Alerts have been issued to residents due to the unprecedented weather, impacting Far North, North and North West Queensland.
- More than 35 swift water rescues have been conducted and 80 evacuations carried out by emergency workers, mostly around Townsville.
- Police are urging Townsville residents to plan ahead and take appropriate action to ensure their safety and the safety of their loved ones and pets.
- Residents in low-lying areas should consider relocating to higher ground nearby should they need to evacuate.
- People who need to evacuate are asked to seek alternative accommodation with friends and family before seeking help from Townsville's four evacuation centres at Alligator Creek, Bluewater, Cranbrook and Heatley.
- For evacuation centre details go to www.disaster.townsville.qld.gov.au
- Ergon Energy reported that, as of 2.30pm yesterday (2nd February), around 5000 Townsville customers were without power.
- Further controlled releases of water are planned for the Ross River Dam.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).

Sub Issue

Safety

- Emergency service workers are on the ground and working with partner agencies to respond to requests for assistance due to severe weather.
- Twenty extra ambulance service workers and extra QPS officers have also been deployed to Townsville.
- The State Emergency Service (SES) received more than 571 requests for assistance in the past 24 hours. Most of these were for the Townsville area and included requests to supply sandbags, flood assistance and tarps.
- The SES supplied more than 20,000 sandbags to Townsville yesterday (2nd February) in anticipation of heavy rainfall and increased flooding in the coming days.
- Damage assessments are being carried out on properties in affected areas. Assessors will gain a greater understanding of the extent of the damage as access and conditions permit.
- For damage and flood assistance contact the SES on 132 500 or log a job using the SES Assistance app.

Health

- Residents on Palm Island are advised to boil their drinking water.



Key Messaging

General advice

- Residents in flood affected zones should also be aware of the possibility of sewage backflows. If residents are having issues with sewage entering their property, information is available on the [Townsville City Council website](#).
- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor.
- It is important residents avoid water activities until local councils can confirm water quality is safe again. Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.
- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Be Crocwise and if you see a crocodile, please report it as soon as possible to the Queensland Department of Environment and Science on 1300 130 372. If you see a snake, don't attempt to catch or remove it – contact a local licensed snake removalist if you need assistance.
- If you have lost power, the food in your fridges and freezers may have been impacted. Keep fridge and freezer doors closed for as long as possible – the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood damaged foods. When it comes to food safety, always remember that if in doubt, throw it out.

Transport



Closure of public facilities/schools

Funding assistance

- Emergency funding assistance is now available to residents in:
 - Douglas Shire Council: Daintree, Upper Daintree; Lower Daintree, Degarra; Stewart Creek Valley and other targeted locations.
 - Townsville City Council: Bluewater, Black River, Toolakea, Alligator Creek, Nome, Julago, Rosslea, Hermit Park, Oonoonba, Idalia, Railway Estate, Beach Holm, Yabalu, Cluden, Bluewater Park, Bohle, Burdell, Condon, Deeragun, Jensen, Keiso, Kirwan, Mt Low, Rasmussen, Saunders Creek (Bohle Plains), South Townsville, Stoney Creek (Roseneath), Stuart, Townsville City and Wulguru.
 - Cook Shire Council: Bloomfield (including Ayton); Rossville (including Shiptons Flat); and
 - Wujal Wujal Aboriginal Shire Council.
- The department continues to work with local councils to identify and review other areas that may require assistance or activations.
- These grants, of up to \$180 per person, to a maximum of \$900 for a family of five or more, are available to people experiencing genuine financial hardship as a result of this weather event. To date, more than 1141 applications have been received.
- People who are distressed or experiencing hardship due to the flooding can contact the Community Recovery Hotline on 1800 173 349. There have been 539 calls received to date.
- As at 2nd February, Burdekin Shire Council, Cairns Regional Council, Charters Towers Regional Council, Cook Shire Council, Douglas Shire Council, Hope Vale Aboriginal Shire Council, Palm Island Aboriginal Shire Council,

Key Messaging

Richmond Shire Council, Townsville City Council, Whitsunday Regional Council and Wujal Wujal Aboriginal Shire Council have been activated for assistance under the Disaster Recovery Funding Arrangements (DRFA).

Emergency housing

- People affected by the floods who may need emergency housing support can register by calling 13QGOV (13 74 68) or online at www.hpw.qld.gov.au
- Staff resources have been increased in key areas and staff are ready to commence rapid response impact assessments on government infrastructure when it is safe to do so.
- The Sport and Recreation Disaster Recovery Program has been activated to assist sporting associations in identified communities as they clean up after the floods – see <https://www.qld.gov.au/recreation/sports/funding/disaster-recovery#how-to-apply>.

Agriculture

Electrical safety

- Make sure you know where to turn off your power, gas and water supply in an emergency.
- If you've lost power, turn off your power points and unplug electrical equipment.
- If flood waters are expected, switch off and unplug electrical equipment, then move it to higher locations.
- Unplug outside TVs and non-fixed aerials and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity supplier.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that may be lying around your house.
- If you've lost power, contact your local electrical supplier who should be able to advise when power will be re-connected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as kettles, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be re-connected.

Key Messaging

- Power from generators can be dangerous if incorrectly managed.

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If your solar PV system has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.
- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at: <https://www.ditid.qld.gov.au/tourism/tourism-planning>.

Hot Issues

If asked question

- Response

Approval

Prepared	Ben Armstrong - Coordinator	03/02/2019 07:45
Endorsed	Ben Armstrong - Coordinator	03/02/2019 07:45
Approved	Marcus Hill - Coordinator	03/02/2019 08:49

Bernadette Bouquet

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Sunday, 3 February 2019 5:54 AM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Ross R at Aplin Weir..JPG; Ross R at Ross River Dam..JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River, Moderate Flood Warning for the Bohle River and Flood Warning for the Black River and Bluewater Creek

Issued at 5:43 am EST on Sunday 3 February 2019 Flood Warning Number: 30

Major flood levels are possible in the Ross River at Aplin Weir on Sunday with forecast heavy rainfall. Moderate flood levels are expected to continue in the Bohle River at Mt Bohle during Sunday.

Important information from Townsville City Council:

It is really important that residents listen to emergency services or Council employees during this flood event.

The increase in flow from Ross River Dam may result in flooding of properties and the public are advised to move personal items to a higher level.

Authorities will further open the Ross River Dam spillway gates to try and prevent more significant flooding for downstream suburbs if this major rain event continues.

The spillway gates will be opened to a higher level, allowing more water to flow out now in order to reduce the potential for significant downstream flooding given the forecast for heavy rain to continue for the next few days.

Ross River:

Ross River Dam continues to spill. River levels at Black Weir are currently rising and approaching the minor flood level.

The Ross River at Aplin Weir is currently at 2.41 metres and rising. Further rises are expected and the river level at Aplin Weir may reach the major flood level (2.90 m) overnight Sunday into Monday. This prediction is based on forecast rainfall.

Bohle River:

Flooding has eased on the Little Bohle River. Moderate flooding is continuing further downstream.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be above the moderate flood level of 5.50 metres and falling. The Bohle River at Mt Bohle is likely to remain above the moderate flood level (5.50 m) during Sunday.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are steady and both remain below the minor flood level. Renewed rises similar to those recorded in previous days are likely with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 09:00 am EST on Sunday 03 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.99, Rising, 05:35 AM SUN 03/02/19 Bohle R at Hervey Range Rd TM, 6.16, Steady, 05:20 AM SUN 03/02/19 Bohle R at Dalrymple Rd Alert, 9.84, Falling, 04:58 AM SUN 03/02/19 Black R upstream Bruce Hwy Alert, 2.44, Rising, 05:08 AM SUN 03/02/19 Bluewater Ck at Bluewater Alert, 4.53, Rising, 05:03 AM SUN 03/02/19 Ross R at Ross River Dam Alert, 42.21, Falling, 03:37 AM SUN 03/02/19 Ross R at Black Weir (Riverway) Alert, 1.85, Rising, 03:53 AM SUN 03/02/19 Ross R at Aplin Weir Alert, 2.41, Rising, 04:58 AM SUN 03/02/19 Ross R at Rooneys Bridge Alert, 3.90, Rising, 04:26 AM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC

Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Monday, 4 February 2019 12:07 AM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: IDQ65393.532029 (1).png

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 11:55 pm EST on Sunday 3 February 2019

Flood Warning Number: 41

RISK TO LIFE AND PROPERTY

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground. Residents still in their homes in these suburbs should

move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au
Ross River:

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. River levels downstream at Black Weir are rising and just below the moderate flood level (2.50 metres).

The Ross River at Aplin Weir is currently at 3.31 metres and rising, with major flooding. The river level at Aplin Weir may reach around 4.00 metres Monday morning.

Bohle River:

Flooding has started to ease on the Little Bohle following renewed river level rises Sunday evening. Major flood levels are rising further downstream on the Bohle River.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be around the major flood level of 7.00 metres and rising. The Bohle River at Mt Bohle will remain around the major flood level (7.00 m) Monday morning as further heavy rainfall is possible early Monday morning.

Black River and Bluewater Creek:

Stream levels along the Black River are falling and remain below the minor flood level. In Bluewater Creek minor flood levels are rising. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 03:00 am EST on Monday 04 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 2.79, Falling, 11:40 PM SUN 03/02/19

Bohle R at Hervey Range Rd Alert, 7.35, Rising, 11:19 PM SUN 03/02/19

Bohle R at Dalrymple Rd Alert, 10.99, Rising, 10:43 PM SUN 03/02/19

Black R upstream Bruce Hwy Alert, 3.49, Falling, 11:28 PM SUN 03/02/19

Bluewater Ck at Bluewater Alert, 6.08, Rising, 11:28 PM SUN 03/02/19

Ross R at Ross River Dam Alert, 42.95, Falling, 11:38 PM SUN 03/02/19

Ross R at Black Weir (Riverway) Alert, 2.45, Rising, 11:40 PM SUN 03/02/19

Ross R at Aplin Weir Alert, 3.31, Falling, 11:40 PM SUN 03/02/19

Ross R at Rooneys Bridge Alert, 4.35, Rising, 10:16 PM SUN 03/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

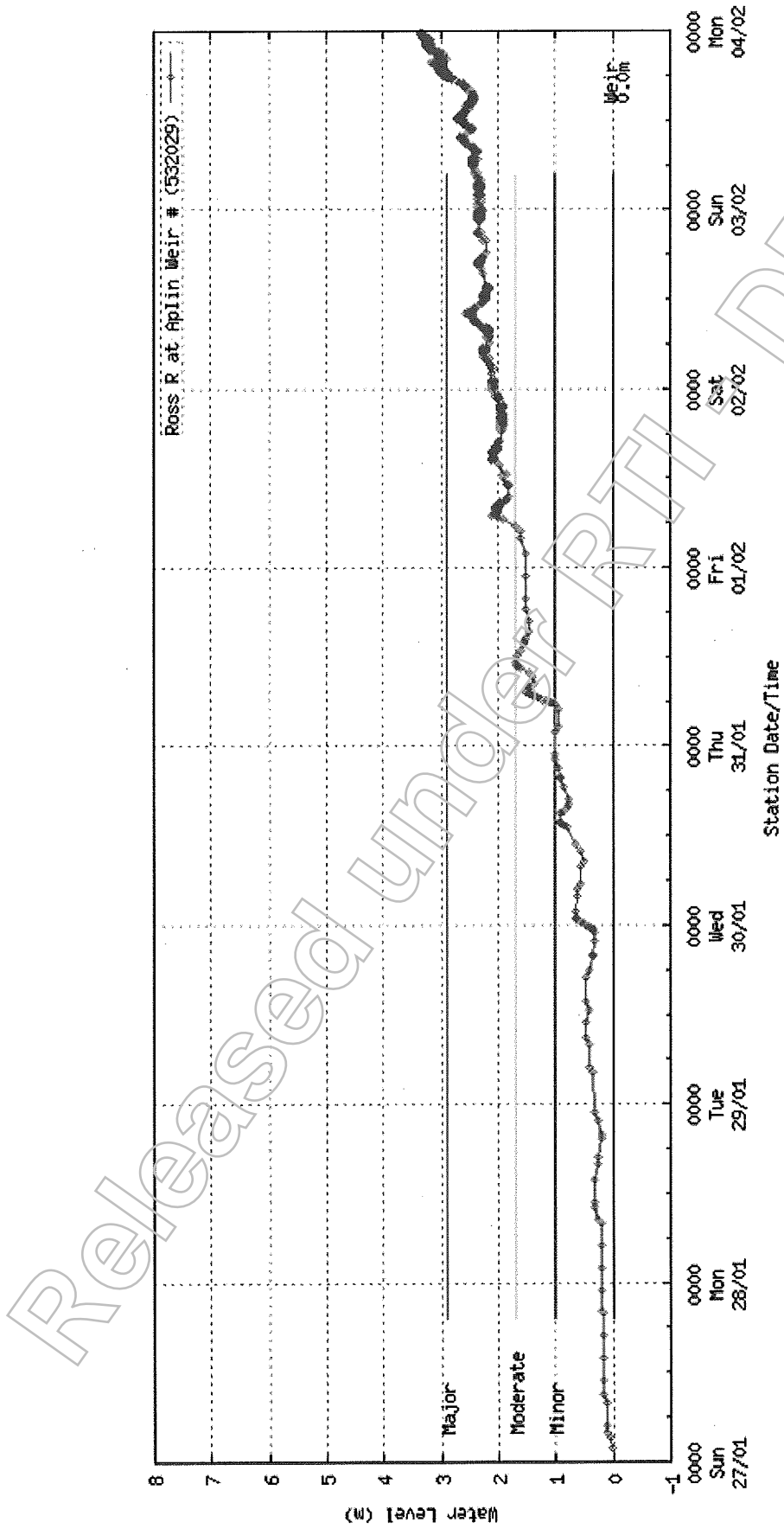
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services

Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@gfes.qld.gov.au

Released under RTI - DPC



(Generated: 03/02/2015 23:42:35)

Australian Government Bureau of Meteorology

Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Monday, 4 February 2019 5:54 AM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: IDQ65393.532029 (2).png; IDQ65136 (6).gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

Ross River Dam spillway gates remain opened at full setting. Moderate flood levels are easing slowly in the Bohle River at Hervey Range.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE. TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 5:42 am EST on Monday 4 February 2019

Flood Warning Number: 43

RISK TO LIFE AND PROPERTY

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rows Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and

get to higher ground. Residents still in their homes in these suburbs should move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au

Ross River:

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. River levels downstream at Black Weir are falling and above the minor flood level (2.00 metres).

The Ross River at Aplin Weir is currently at 3.16 metres and steady, with major flooding. The river level at Aplin Weir may reach around 4.00 metres during Monday, with forecast rainfall.

Bohle River:

Moderate flood levels are easing slowly in the Bohle River at Hervey Range Road following renewed river level rises Sunday evening. Moderate flood levels are also easing downstream on the Bohle River.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be just below the major flood level of 7.00 metres and falling. The Bohle River at Mt Bohle will remain around the major flood level (7.00 m) Monday morning.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are easing with both below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 09:00 am EST on Monday 04 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 1.39, Falling, 05:29 AM MON 04/02/19

Bohle R at Hervey Range Rd Alert, 6.75, Steady, 05:23 AM MON 04/02/19

Bohle R at Dalrymple Rd Alert, 10.59, Falling, 05:27 AM MON 04/02/19

Black R upstream Bruce Hwy Alert, 2.69, Rising, 04:58 AM MON 04/02/19

Bluewater Ck at Bluewater Alert, 4.93, Falling, 04:53 AM MON 04/02/19

Ross R at Ross River Dam Alert, 42.33, Falling, 04:54 AM MON 04/02/19

Ross R at Black Weir (Riverway) Alert, 2.35, Falling, 05:21 AM MON 04/02/19

Ross R at Aplin Weir Alert, 3.16, Steady, 05:28 AM MON 04/02/19

Ross R at Rooneys Bridge Alert, 4.35, Falling, 04:00 AM MON 04/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

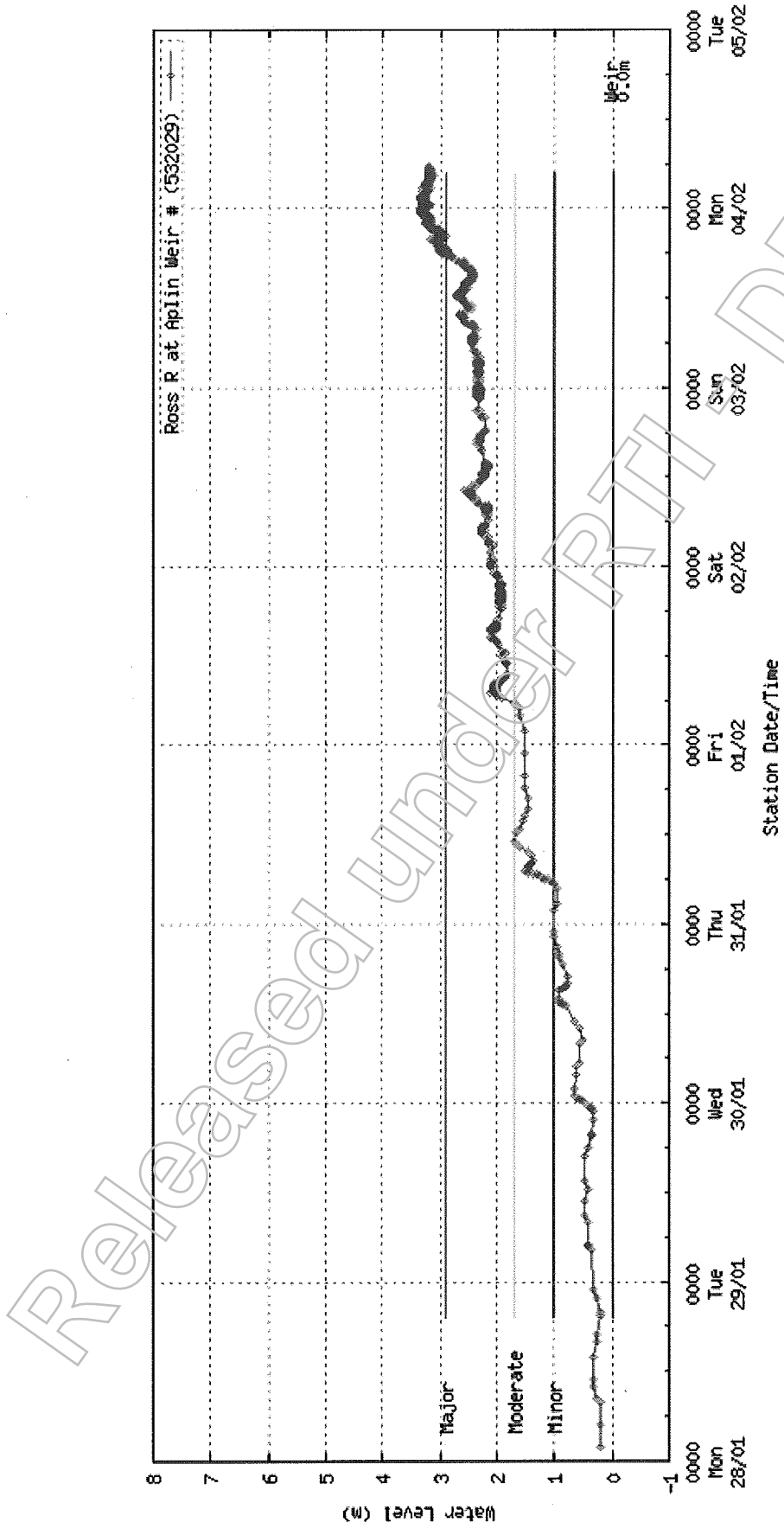
State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron

GPO Box 1425 Brisbane QLD 4001

P: 07 3635 2387 (24hrs) | M:

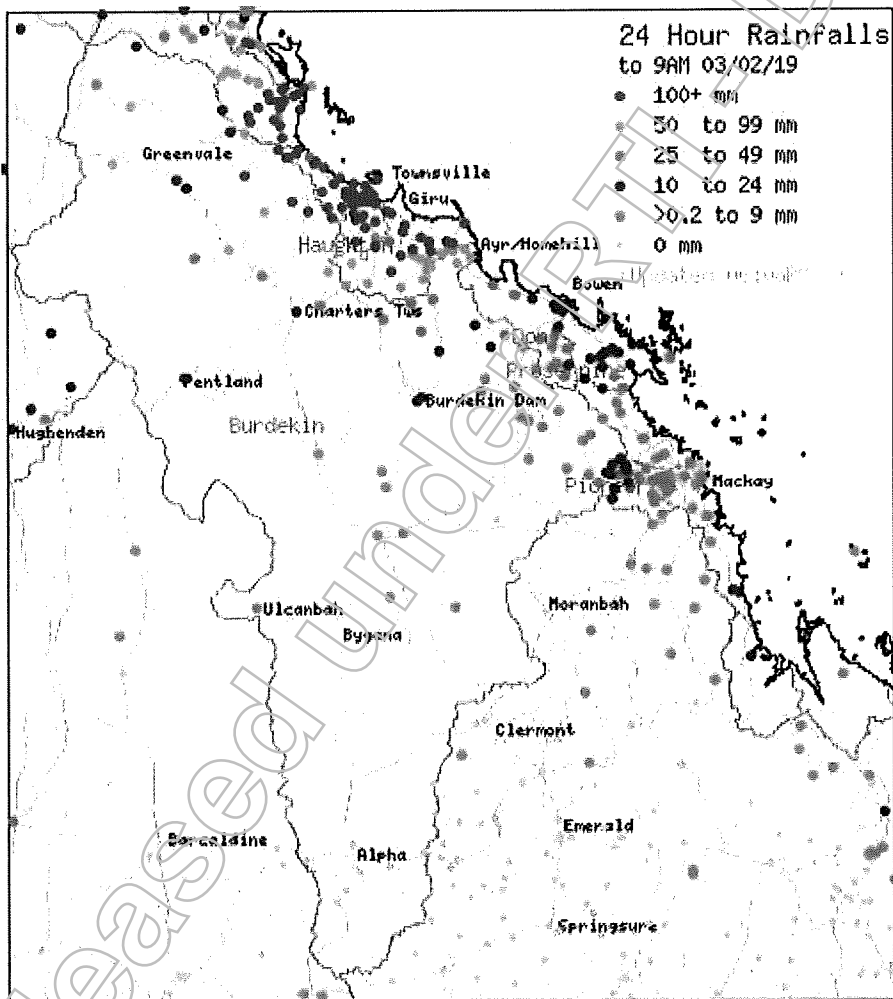
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC



(Generated: 04/02/2019 05:42:41)

Australian Government Bureau of Meteorology



Key Messaging

Report Time

04/02/2019 06:00

Report ID

R13222621

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- Heavy rain continues to fall across large parts of North Queensland, affecting areas from Innisfail to Mackay, and Townsville in particular. A deepening tropical low lies on the monsoon trough over northwest Queensland which is expected to bring gale force winds to the Gulf of Carpentaria.
- Water levels have continued to rise and the spillway gates at the Ross River Dam were fully opened at approx 7.50pm on 3 February.
- Residents are being urged to evacuate and take appropriate action to ensure their safety and the safety of their family.
- Police received a large number of calls (341) to the Townsville Police Communication Centre throughout the night and a joint agency response was required to evacuate a large number of people.
- People who need to evacuate are asked to seek alternate accommodation with friends and family before seeking help from Townsville's evacuation centres. The centre at Cranbrook is at capacity, but people can still seek shelter at centres in Alligator Creek, Bluewater and Heatley. An evacuation centre has also been opened at North Shore Public Cyclone Shelter. For evacuation centre details, go to disaster.townsville.qld.gov.au.
- 16,828 Townsville residents are currently without power.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).
- Emergency Alerts are current for many areas across the region. Stay tuned to your local radio and follow the Queensland Police Service on social media for updates.
- Register.Find.Reunite is a Red Cross service allowing you to register to let people know you are safe. For more information visit register.redcross.org.au.

Sub Issue

Safety

- Extra emergency service personnel (QFES, QPS, QAS) are on the ground and working with partner agencies to respond to requests for assistance.
- The State Emergency Service (SES), as at 5am, has more than 1,100 calls outstanding. From 5am Sunday 3 February to 5am 4 February, they have received more than 860 requests for assistance.
- For damage and flood assistance, contact the SES on 132 500 or log a job using the SES Assistance app.
- The State Disaster Coordination Centre has activated its Aviation cell, which will coordinate all aviation assets in the region.
- Multiple emergency alert messages were issued last night warning of flash flooding throughout Townsville.
- Stay tuned to your local radio and follow QPS on social media for updates.



Key Messaging

- Police are urging all residents to stay off the roads and out of flood waters in Townsville today due to the unprecedented flood levels and on-going severe wet weather.

Health

- Boil water alerts are in place for a number of locations, including Palm Island, Cunggulla, a number of Torres Strait islands, and parts of the Cassowary Coast and Tablelands council areas. Contact your local council for information.

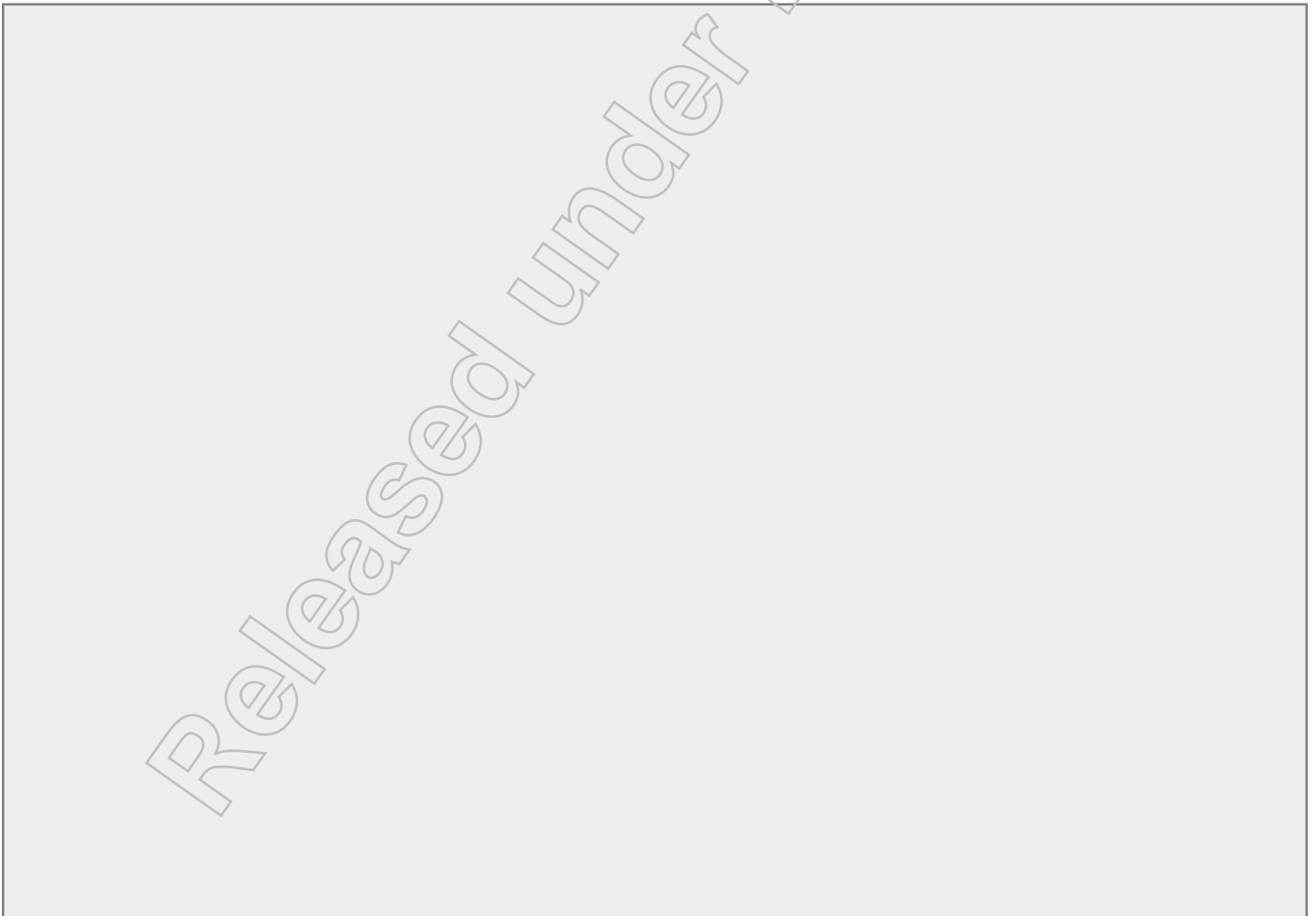
General advice

- If residents are having issues with sewage entering their property, information is available on the Townsville City Council website at www.townsville.qld.gov.au/water-waste-and-environment/waste-water/common-wastewater-questions.
- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor.
- It is important residents avoid water activities until local councils can confirm water quality is safe again. Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.
- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Be Crocwise and if you see a crocodile, please report it as soon as possible by calling 1300 130 372. If you see a snake, don't attempt to catch or remove it – contact a local licensed snake removalist if you need assistance.
- Customers who have had their switchboard or homes inundated will require inspection by a licensed electrical contractor prior to their individual reconnection, including solar panels. Information can be found at www.masterelectrician.com.au/page/Consumers/Electrical_tips/Severe_Weather/
- If you have lost power, the food in your fridges and freezers may have been impacted. Keep fridge and freezer doors closed for as long as possible – the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood-damaged foods. When it comes to food safety, always remember that if in doubt, throw it out.
- Residents affected by severe weather and flooding in Townsville can call Legal Aid Queensland on 1300 004 924 for free legal information and advice. They also have facts sheets and other resources at www.legalaid.qld.gov.au.

Transport



Closure of public facilities/schools



Released under RTI - DPC



Key Messaging

Community recovery

- Preparations are being made to establish Community Recovery Hubs in Townsville. There are 5 evacuation centres opened in Townsville at Heatley, Alligator Creek, Bluewater, North Shore and Cranbrook.
- Almost 200 ready reserves are working on community recovery state-wide.
- Queensland Reconstruction Authority (QRA) Regional Liaison Officers (RLOs) are in contact with councils and are providing advice and support on recovery processes and options. RLOs are also working to help prepare councils that are likely to be in the path of the further rainfall and resultant flooding.

Funding assistance

- Emergency funding assistance under the Disaster Recovery Funding Arrangements (DRFA) is now available to residents in affected areas.
- The DRFA has been activated in Burdekin Shire Council, Cairns Regional Council, Charters Towers Regional Council, Cook Shire Council, Douglas Shire Council, Hope Vale Aboriginal Shire Council, Palm Island Aboriginal Shire Council, Richmond Shire Council, Townsville City Council, Whitsunday Regional Council and Wujal Wujal Aboriginal Shire Council.
- The following assistance has been activated:
- Personal Hardship Assistance Scheme (PHAS) and Essential Services Safety and Reconnection Scheme (ESSRS) for limited areas in: Townsville City Council, Burdekin Shire Council, Cook Shire Council, Douglas Shire Council and Wujal Wujal (PHAS only)
- Restoration of Essential Public Assets & Counter Disaster Operations: Cook Shire Council, Douglas Shire Council, Wujal Wujal Aboriginal Shire Council, Burdekin Shire Council, Hope Vale Aboriginal Shire Council, Cairns Regional Council, Whitsunday Regional Council, Townsville City Council, Palm Island Aboriginal Shire Council, Charters Towers Regional Council and Richmond Shire Council.
- It is anticipated Cloncurry Shire Council, the entire Townsville Regional Council area, Hinchinbrook Shire Council, Isaac Regional Council, Yarrabah Aboriginal Shire Council, McKinlay Shire Council, Mornington Shire Council and Mount Isa City Council will also require assistance under the DRFA.
- These grants, of up to \$180 per person, to a maximum of \$900 for a family of five or more, are available to people experiencing genuine financial hardship as a result of this weather event. To date, about 2060 applications have been received.
- People who are distressed or experiencing hardship due to the flooding can contact the Community Recovery Hotline on 1800 173 349. There have been more than 1250 calls received to date.

Housing

Key Messaging



Agriculture



Electrical safety

- Customers who have had their switchboard or homes inundated will require inspection by a licenced electrical contractor prior to their individual reconnection, including solar panels. Information can be found at www.masterelectrician.com.au/page/Consumers/Electrical_tips/Severe_Weather/.
- Make sure you know where to turn off your power, gas and water supply in an emergency.
- If you've lost power, turn off your power points and unplug electrical equipment.
- If flood waters are expected, switch off and unplug electrical equipment, then move it to higher locations.
- Unplug outside TVs and non-fixed aerals and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity supplier.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that may be lying around your house.
- If you've lost power, contact your local electrical supplier who should be able to advise when power will be re-connected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as ketties, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be reconnected.
- Power from generators can be dangerous if incorrectly managed.



Key Messaging

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If your solar PV system has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.
- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at www.ditid.qld.gov.au/tourism/tourism-planning.

Miscellaneous (not speaking points, for noting)

- A Telstra Emergency Evacuation Campaign 19011410 report shows the number of valid voice message numbers was 9,032. However, the number of not dialled calls was 5,602. An email has been sent to Telstra to ask for future information as to why this has happened.
- Notification received that SES calls were going to Victoria SES. These are being redirected to Queensland SES. 9am meeting Monday, 4 February to discuss moving to priority one for SSQ call centre as currently BAU.

Hot Issues

If asked question

- Response

Approval

Prepared	Nadine Eckert - Coordinator	04/02/2019 06:11
Endorsed	Nadine Eckert - Coordinator	04/02/2019 06:11
Approved	Joanne Morgan - Staff Officer	04/02/2019 06:24

Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Monday, 4 February 2019 12:25 PM
To: Georgia Voutsis
Subject: Update Flood Warning - SEWS for Ross River Catchment
Attachments: Alpin Weir.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - SEWS

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

Media: Transmitters serving the Ross, Bohle and Black Rivers are REQUESTED TO USE THE STANDARD EMERGENCY WARNING SIGNAL BEFORE BROADCASTING THIS MESSAGE.

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 11:41 am EST on Monday 4 February 2019

Flood Warning Number: 45

RISK TO LIFE AND PROPERTY

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. Dangerous and high velocity flows will occur in the Ross River Sunday night into Monday. Unprecedented areas of flooding will occur in Townsville. Expect access routes to be cut.

Conditions will change rapidly and continuously. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground. Residents still in their homes in these suburbs should

move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au

Ross River:

The Ross River dam spillway gates have now opened to their full setting. This setting will release approximately 1900 cubic metres of water per second out of the dam. River levels downstream at Black Weir are falling and above the minor flood level (2.00 metres).

The Ross River at Aplin Weir is currently at 3.06 metres and rising. The Ross River at Aplin Weir may remain around current levels during Monday. With further rises possible with any intense rainfall.

Bohle River:

Moderate flood levels are easing slowly in the Bohle River at Hervey Range Road following renewed river level rises Sunday evening. Moderate flood levels are also easing downstream on the Bohle River.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be just below the major flood level of 7.00 metres and falling. The Bohle River at Mt Bohle will remain around the major flood level (7.00 m) Monday morning.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are easing with both below the minor flood level. Renewed rises similar to those recorded in previous days are possible with further heavy rainfall.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 02:00 pm EST on Monday 04 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 0.59, Falling, 11:26 AM MON 04/02/19

Bohle R at Hervey Range Rd Alert, 5.65, Falling, 11:24 AM MON 04/02/19

Bohle R at Hervey Range Rd TM, 5.73, Falling, 11:20 AM MON 04/02/19

Bohle R at Dalrymple Rd Alert, 9.44, Falling, 11:36 AM MON 04/02/19

Black R upstream Bruce Hwy Alert, 2.34, Falling, 11:38 AM MON 04/02/19

Black R upstream Bruce Hwy TM, 2.33, Falling, 11:23 AM MON 04/02/19

Bluewater Ck at Bluewater Alert, 3.63, Falling, 11:08 AM MON 04/02/19

Bluewater Ck at Bluewater TM, 3.59, Falling, 11:20 AM MON 04/02/19

Ross R at Ross River Dam Alert, 42.53, Falling, 11:33 AM MON 04/02/19

Ross R at Black Weir (Riverway) Alert, 2.25, Rising, 11:10 AM MON 04/02/19

Ross R at Aplin Weir Alert, 3.06, Rising, 11:34 AM MON 04/02/19

Ross R at Rooneys Bridge Alert, 4.35, Steady, 08:49 AM MON 04/02/19

Townsville Harbour Tide Alert, 2.80, Falling, 11:37 AM MON 04/02/19

Townsville Harbour Tide TM, 3.26, Steady, 10:56 AM MON 04/02/19

Cape Ferguson Tide TM, 3.12, Steady, 10:53 AM MON 04/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Released under RTI - DPC

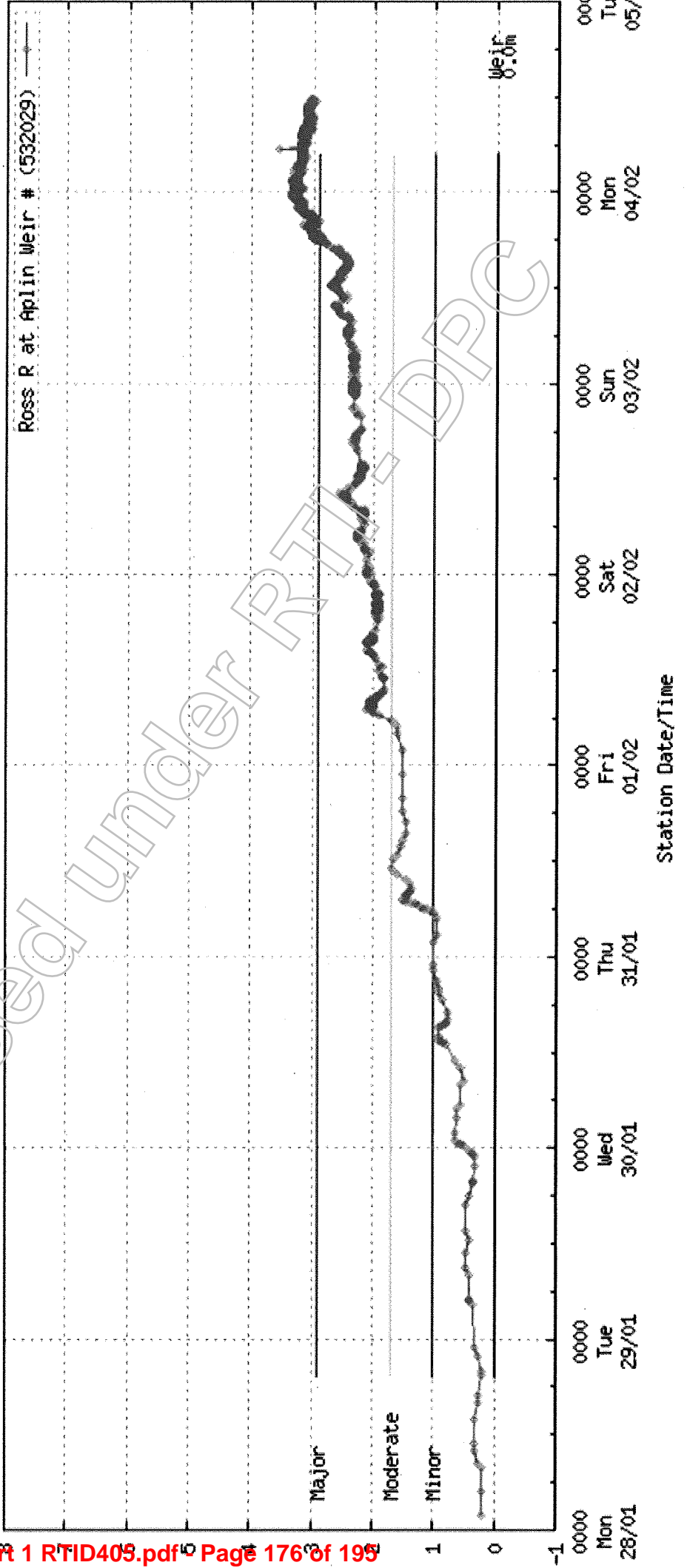
Latest River Heights for Ross R at Aplin Weir

Issued at 11:42 am EST Monday 4 February 2019

[About river height plots](#) | [About this Plot](#)

Station details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900
Flood levels: Minor: 1.00 Moderate: 1.70 Major: 2.90

Data from the previous 7 days.



Key Messaging

Report Time

04/02/2019 16:00

Report ID

R13247821

Event

Active Monsoon Far Northern Queensland - January 2019

Key Messaging

- Heavy rain continues to fall across large parts of North Queensland, affecting areas from Innisfail to Mackay, and Townsville in particular.
- Areas between Bowen and Mackay can expect to see widespread daily rainfall totals of around 200mm during today and Tuesday.
- The spillway gates at the Ross River Dam were opened last night (Sunday 3 February) and releases are expected to continue until at least tomorrow (Tuesday 5 February).
- Residents are being urged to evacuate and take appropriate action to ensure their safety and the safety of their family.
- Register.Find.Reunite is a Red Cross service allowing you to register to let people know you are safe. For more information visit register.redcross.org.au.
- People who need to evacuate are asked to seek alternate accommodation with friends and family before seeking help from Townsville's evacuation centres. The centre at Cranbrook is at capacity, but people can still seek shelter at centres in Alligator Creek, Bluewater, Heatley and North Shore. For evacuation centre details, go to disaster.townsville.qld.gov.au.
- As at 2pm today (Monday 4 February) approximately 14,500 customers are without power in Townsville.
- For the latest weather warnings and conditions, visit www.bom.gov.au.
- In a life threatening emergency, call Triple Zero (000).
- Emergency Alerts are current for many areas across the region. Stay tuned to your local radio and follow the Queensland Police Service on social media for updates.

Sub Issue

Safety

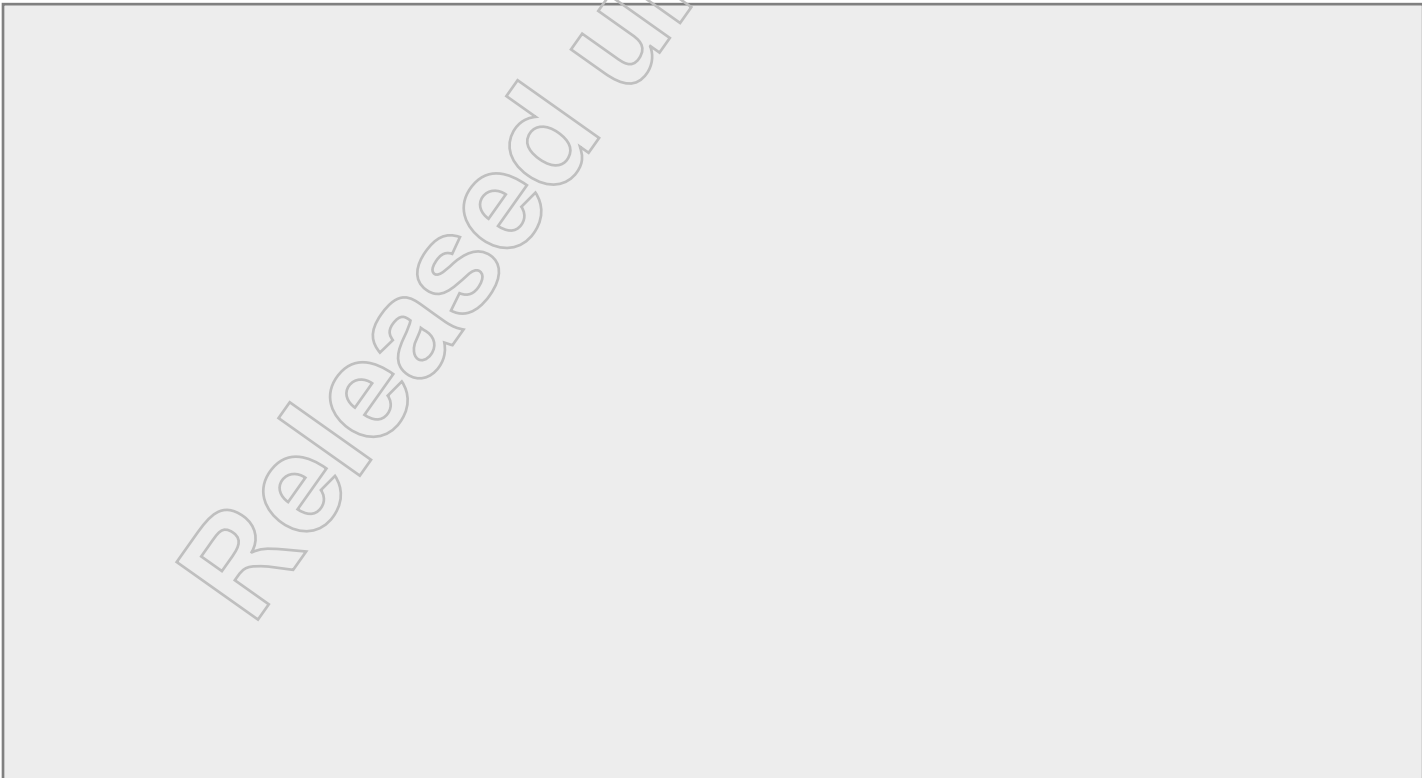
- Extra emergency service personnel (QFES, QPS, QAS) are on the ground and working with partner agencies to respond to requests for assistance.
- The State Emergency Service (SES) has received more than 940 requests for assistance in the 24 hours to 2pm today (Monday 4 February).
- For damage and flood assistance, contact the SES on 132 500 or log a job using the SES Assistance app.
- Stay tuned to your local radio and follow QPS on social media for updates.
- Police are urging all residents to stay off the roads and out of flood waters in Townsville today due to the unprecedented flood levels and ongoing severe wet weather.

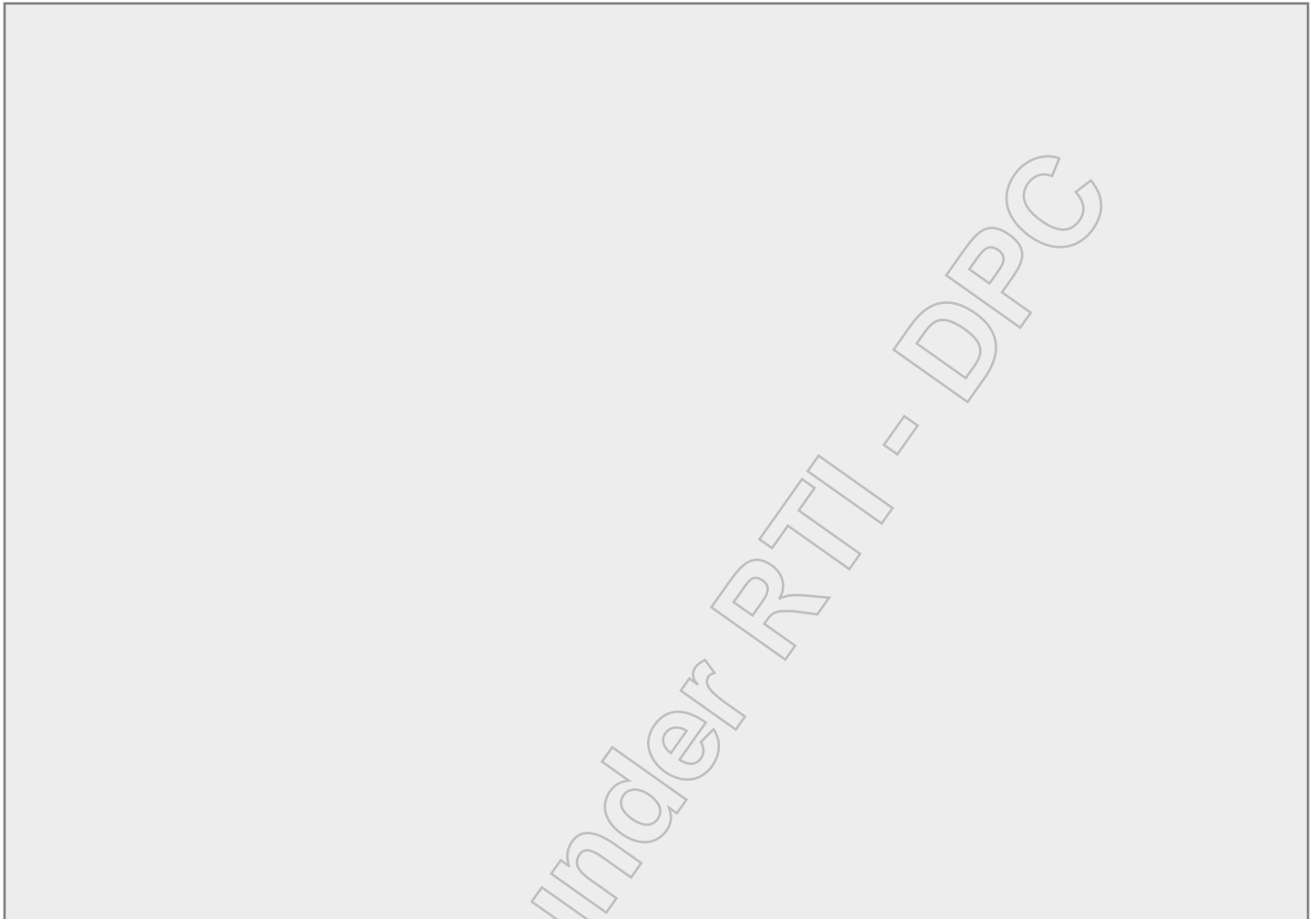
Transport





Closure of schools/universities/colleges/public facilities





Health

- Boil water alerts are in place for a number of locations, including Palm Island, Cungulla, a number of Torres Strait islands, and parts of the Cassowary Coast and Tablelands council areas. Contact your local council for information.

General health advice

- If residents are having issues with sewage entering their property, information is available on the Townsville City Council website at www.townsville.qld.gov.au/water-waste-and-environment/waste-water/common-wastewater-questions.
- If you're at risk of being isolated by floodwaters, ensure you have an appropriate first aid kit and enough medication in the event you cannot reach a pharmacy or doctor.
- It is important residents avoid water activities until local councils can confirm water quality is safe again. Floodwaters increase the risk of diseases such as leptospirosis, melioidosis and gastroenteritis.
- Wear protective clothing like boots and gloves if you're cleaning up in flood-affected areas and disinfect household surfaces that have come into contact with floodwater.
- Try to avoid contact with mud and dirt and wash your hands thoroughly before eating and after touching pets that might have come into contact with water or soil.

Key Messaging

- If you receive a cut or scrape during the clean-up, treat it with antiseptic and cover with protective dressing immediately. If the skin around cuts becomes red or sore, see your doctor.
- Mosquitos carrying diseases like dengue fever might be more common after a natural disaster so be sure to cover up with long and loose clothing, and use insect repellent.
- Be Crocwise and if you see a crocodile, please report it as soon as possible by calling 1300 130 372. If you see a snake, don't attempt to catch or remove it – contact a local licensed snake removalist if you need assistance.
- Customers who have had their switchboard or homes inundated will require inspection by a licensed electrical contractor prior to their individual reconnection, including solar panels. Information can be found at www.masterelectrician.com.au/page/Consumers/Electrical_tips/Severe_Weather/
- If you have lost power, the food in your fridges and freezers may have been impacted. Keep fridge and freezer doors closed for as long as possible – the food in a closed fridge can be kept for up to four hours and freezer food for up to 24 hours.
- Throw out flood-damaged foods. When it comes to food safety, always remember that if in doubt, throw it out.
- During this time, looking after yourself, your family and your friends is essential. You can seek help from Lifeline (13 11 14) or by calling the Mental health access line on 1300 MH CALL (1300 642255) 24 hours a day, 7 days a week.

Community recovery

- Preparations are being made to establish Community Recovery Hubs in Townsville. There are 5 evacuation centres opened in Townsville at Heatley, Alligator Creek, Bluewater, North Shore and Cranbrook (at capacity).
- Almost 200 ready reserves are working on community recovery state-wide.
- Queensland Reconstruction Authority (QRA) Regional Liaison Officers (RLOs) are in contact with councils and are providing advice and support on recovery processes and options. RLOs are also working to help prepare councils that are likely to be in the path of the further rainfall and resultant flooding.

Funding assistance

- Emergency funding assistance under the Disaster Recovery Funding Arrangements (DRFA) is now available to residents in affected areas.
- Eleven (11) councils have been activated for assistance under the Disaster Recovery Funding Arrangements (DRFA). The councils are Burdekin Shire Council, Cairns Regional Council, Charters Towers Regional Council, Cook Shire Council, Douglas Shire Council, Hope Vale Aboriginal Shire Council, Palm Island Aboriginal Shire Council, Richmond Shire Council, Townsville City Council, Whitsunday Regional Council and Wujal Wujal Aboriginal Shire Council.
- The following assistance has been activated:
 - Personal Hardship Assistance Scheme (PHAS) and Essential Services Safety and Reconnection Scheme (ES-SRS) for limited areas in: Townsville City Council, Burdekin Shire Council, Cook Shire Council, Douglas Shire Council and Wujal Wujal (PHAS only)
 - Restoration of Essential Public Assets & Counter Disaster Operations: Cook Shire Council, Douglas Shire Council, Wujal Wujal Aboriginal Shire Council, Burdekin Shire Council, Hope Vale Aboriginal Shire Council, Cairns Regional Council, Whitsunday Regional Council, Townsville City Council, Palm Island Aboriginal Shire Council, Charters Towers Regional Council and Richmond Shire Council.

Key Messaging

- As at 2.45pm today (Monday 4 February), an approved DRFA activation request for Cloncurry Shire Council and Small Business Concessional Loans and Small Business Essential Working Capital Loans for Townsville was awaiting joint announcement by the Commonwealth and Queensland Governments.
- QRA was progressing an additional request for REPA and CDO for Croydon Shire Council, Etheridge Shire Council, Hinchinbrook Shire Council, and McKinlay Shire Council and for PHAS and ESSRS for all of Palm Island Aboriginal Shire Council and Charters Towers Regional Council (limited to Hervey Range).
- It is anticipated Cloncurry Shire Council, the entire Townsville Regional Council area, Hinchinbrook Shire Council, Isaac Regional Council, Yarrabah Aboriginal Shire Council, McKinlay Shire Council, Mornington Shire Council and Mount Isa City Council will also require assistance under the DRFA.
- These grants, of up to \$180 per person, to a maximum of \$900 for a family of five or more, are available to people experiencing genuine financial hardship as a result of this weather event. To date, about 2060 applications have been received.
- People who are distressed or experiencing hardship due to the flooding can contact the Community Recovery Hotline on 1800 173 349. There have been more than 1250 calls received to date.

Housing



Agriculture



Electrical safety

- Run generators outdoors or in a well-ventilated area.
- Only connect a generator to your home through a change-over switch and socket, never through a power-point on any of your existing circuits.
- Customers who have had their switchboard or homes inundated will require inspection by a licenced electrical contractor prior to their individual reconnection, including solar panels. Information can be found at www.masterelectrician.com.au/page/Consumers/Electrical_tips/Severe_Weather/.
- Make sure you know where to turn off your power, gas and water supply in an emergency.

Key Messaging

- If you've lost power, turn off your power points and unplug electrical equipment.
- If flood waters are expected, switch off and unplug electrical equipment, then move it to higher locations.
- Unplug outside TVs and non-fixed aerials and store in an area that is high and dry.
- Pack up electrical equipment that's not in use and store in a safe place.
- Stay away from fallen powerlines. Report any fallen, low or damaged lines to the emergency services or your local electricity supplier.
- Stay clear of electrical signs, street lights, electrical cables, foil insulation or other conductive material that may be lying around your house.
- If you've lost power, contact your local electrical supplier who should be able to advise when power will be re-connected.
- Don't touch a damaged switchboard. Stay away from switchboards if they are damaged by water, fire or lightning and warn others to do the same.

Electrical appliances

- Using water-damaged equipment can result in electric shocks and fires.
- Dispose of or have a licensed electrical contractor repair water-affected household electrical items, such as kettles, toasters and televisions.
- Have a licensed electrical contractor check all hard-wired electrical appliances, such as air-conditioning units or stoves, intended for re-use. This safety check may be required before the power supply can be re-connected.

Solar PV systems

- Shut down your solar PV system using the safe isolation procedure.
- If your solar PV system has been damaged in a flood, storm or cyclone you need to have an electrical contractor inspect the system and check it is safe.
- Even if the network supply is turned off, PV systems will continue producing voltages during the day and the wiring will be still live. Avoid getting on the roof unless absolutely necessary and keep away from solar panels and their cables.

Tourist information

- If you are holidaying, or intending to travel to a destination affected by a disaster, contact your holiday accommodation manager or travel provider.
- If you are directly affected, act immediately on advice provided. Have essential items ready to go (important documents, essential medication, battery powered radio/torch, water, first aid kit, small amount of cash).
- Tourists can use Evacuation Centres, which are a last resort and provide basic amenities.
- Information for tourists and tourism operators about responding to natural disasters can be found online at www.ditid.qld.gov.au/tourism/tourism-planning.

Hot Issues

Nil

Approval

Key Messaging

Prepared

Ben Armstrong - Coordinator

04/02/2019 16:29

Endorsed

Ben Armstrong - Coordinator

04/02/2019 16:29

Approved

Jody Rossner - Tasking Officer

04/02/2019 16:30

Released under RTI - DPC



Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Monday, 4 February 2019 5:09 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Alpin Weir 1642.JPG

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

No Additional Information at this time.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland
TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River
Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 4:58 pm EST on Monday 4 February 2019

Flood Warning Number: 47

RISK TO LIFE AND PROPERTY

Dam releases have reduced as levels in the Ross River Dam have reduced. Major flooding is continuing at Alpin Weir, and renewed rises are possible if further heavy rainfall occurs.

Conditions may change rapidly. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground. Residents still in their homes in these suburbs should move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For

life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au
Ross River:

Dam releases have reduced as levels in the Ross River Dam have reduced. River levels downstream at Black Weir are steady and above the minor flood level (2.00 metres).

The Ross River at Aplin Weir is currently at 2.96 metres and steady. The Ross River at Aplin Weir is likely to remain around current levels overnight Monday into Tuesday. Further intense rainfall may cause renewed rises.

Bohle River:

Minor to moderate flood levels are easing on the Bohle River. Renewed rises are possible if further heavy rainfall occurs.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be below the major flood level of 7.00 metres.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek are below the minor flood level. Renewed rises are possible if further heavy rainfall occurs.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 08:00 pm EST on Monday 04 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 0.74, Falling, 04:37 PM MON 04/02/19
Bohle R at Hervey Range Rd Alert, 4.95, Falling, 04:39 PM MON 04/02/19
Bohle R at Dalrymple Rd Alert, 8.64, Falling, 04:17 PM MON 04/02/19
Black R upstream Bruce Hwy Alert, 2.94, Rising, 04:28 PM MON 04/02/19
Bluewater Ck at Bluewater Alert, 3.93, Falling, 04:33 PM MON 04/02/19
Ross R at Ross River Dam Alert, 42.29, Falling, 04:11 PM MON 04/02/19
Ross R at Black Weir (Riverway) Alert, 2.20, Steady, 04:29 PM MON 04/02/19
Ross R at Aplin Weir Alert, 2.96, Steady, 04:29 PM MON 04/02/19
Ross R at Rooneys Bridge Alert, 4.30, Steady, 02:49 PM MON 04/02/19
Townsville Harbour Tide Alert, 1.60, Rising, 04:38 PM MON 04/02/19
Cape Ferguson Tide TM, 1.42, Steady, 03:53 PM MON 04/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.born.gov.au/qld/flood. The latest weather forecast is available at www.born.gov.au/qld/forecasts.

If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Fast River Heights for Ross R at Aplin Weir

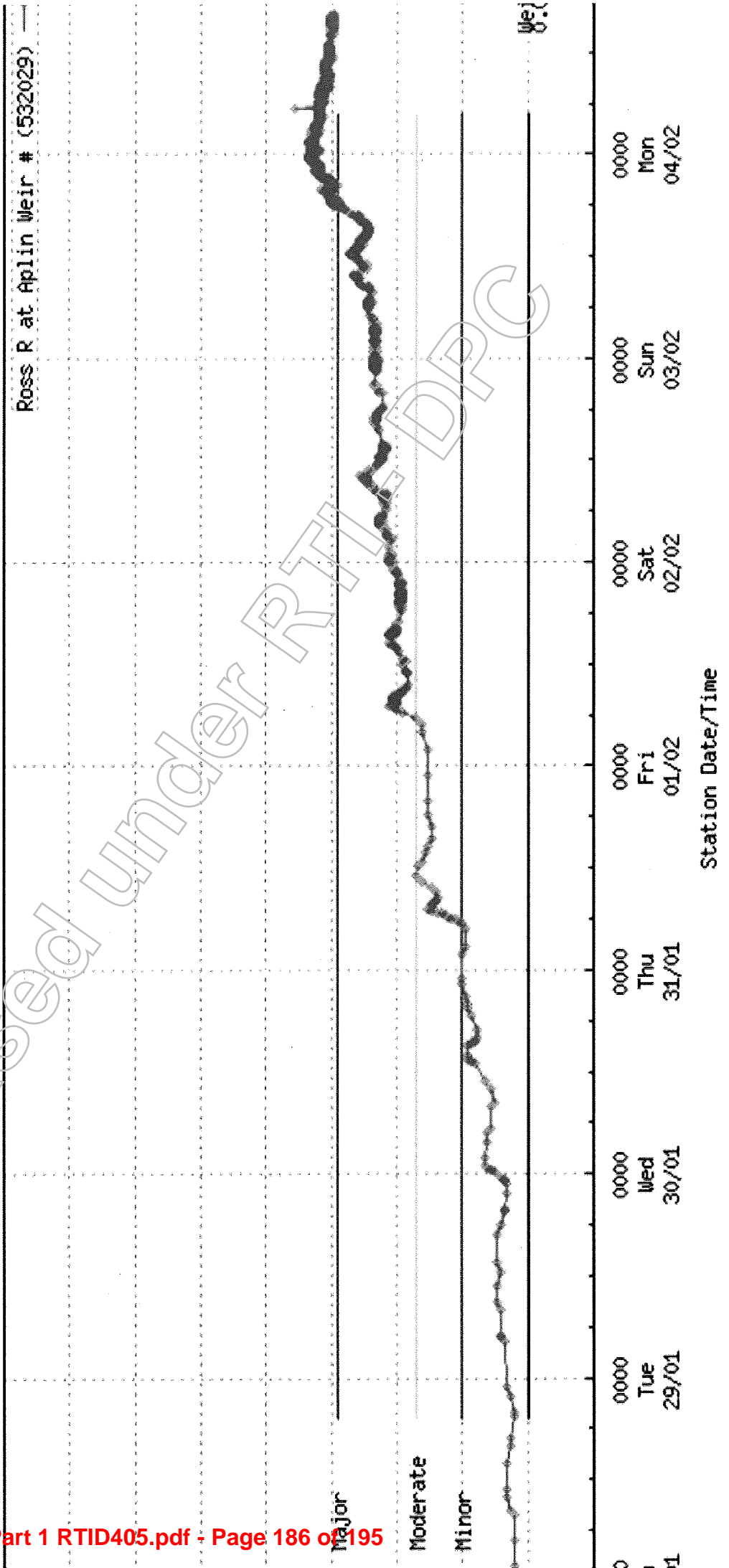
at 4:42 pm EST Monday 4 February 2019

[Fast river height plots | About this Plot](#)

Details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900

Levels: Minor: 1.00 Moderate: 1.70 Major: 2.90

in the previous 7 days.



Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Monday, 4 February 2019 8:13 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Ross River Aplin Weir 2002 040219.PNG; Bohle River Hervey Range 2008 040219.PNG; IDQ65145 as at 2009 040219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A **Severe Weather Warning** remains current for this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and

Bluewater Creek

Issued at 8:03 pm EST on Monday 4 February 2019

Flood Warning Number: 48

RISK TO LIFE AND PROPERTY

Dam releases have reduced as levels in the Ross River Dam have reduced. Major flooding is easing slowly at Aplin Weir, and renewed rises are possible if further heavy rainfall occurs.

Conditions may change rapidly. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground. Residents still in their homes in these suburbs should move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au
Ross River:

Dam releases have reduced as levels in the Ross River Dam have reduced. River levels downstream at Black Weir are easing and approaching the minor flood level (2.00 metres).

The Ross River at Aplin Weir is currently at 2.86 metres (moderate flood) and steady. The Ross River at Aplin Weir is likely to remain around current levels overnight Monday into Tuesday. Further intense rainfall may cause renewed rises.

Bohle River:

River levels are easing along the Bohle River during Monday evening. Renewed rises are possible if further heavy rainfall occurs.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be easing below the major flood level of 7.00 metres.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek remain below the minor flood level. Renewed rises are possible if further heavy rainfall occurs.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 11:00 pm EST on Monday 04 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 0.54, Falling, 07:42 PM MON 04/02/19

Bohle R at Hervey Range Rd Alert, 4.70, Falling, 07:49 PM MON 04/02/19

Bohle R at Dalrymple Rd Alert, 8.24, Falling, 07:44 PM MON 04/02/19

Bohle R at Mt Bohle Alert, Not Available

Black R upstream Bruce Hwy Alert, 2.59, Falling, 07:48 PM MON 04/02/19

Bluewater Ck at Bluewater Alert, 3.78, Rising, 07:48 PM MON 04/02/19

Ross R at Ross River Dam Alert, 42.11, Falling, 07:42 PM MON 04/02/19

Ross R at Black Weir (Riverway) Alert, 2.15, Falling, 07:41 PM MON 04/02/19

Ross R at Aplin Weir Alert, 2.86, Rising, 07:58 PM MON 04/02/19

Ross R at Rooneys Bridge Alert, 4.25, Steady, 05:49 PM MON 04/02/19

Townsville Harbour Tide Alert, 2.85, Rising, 07:52 PM MON 04/02/19

Cape Ferguson Tide TM, 2.53, Steady, 07:33 PM MON 04/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

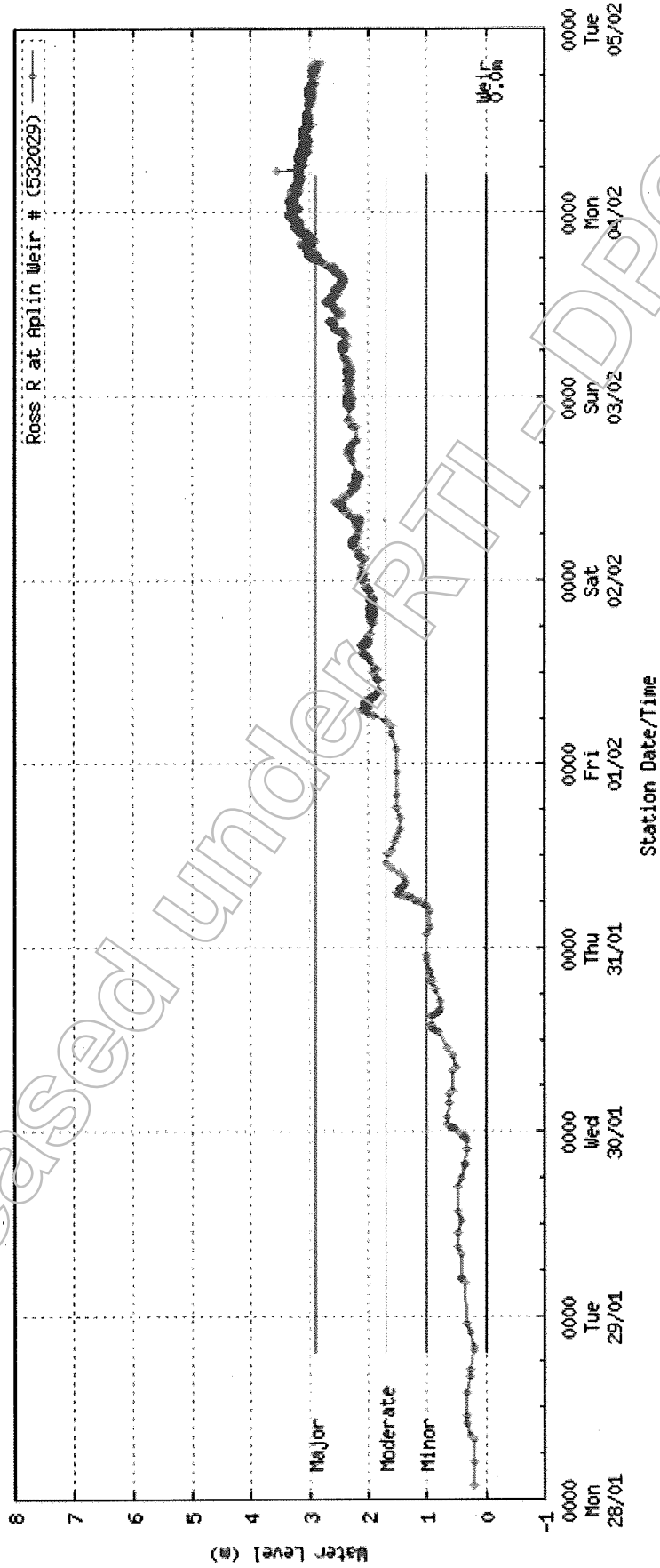
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M:
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

Station details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900
 Flood levels: Minor: 1.00 Moderate: 1.70 Major: 2.90

Data from the previous 7 days.

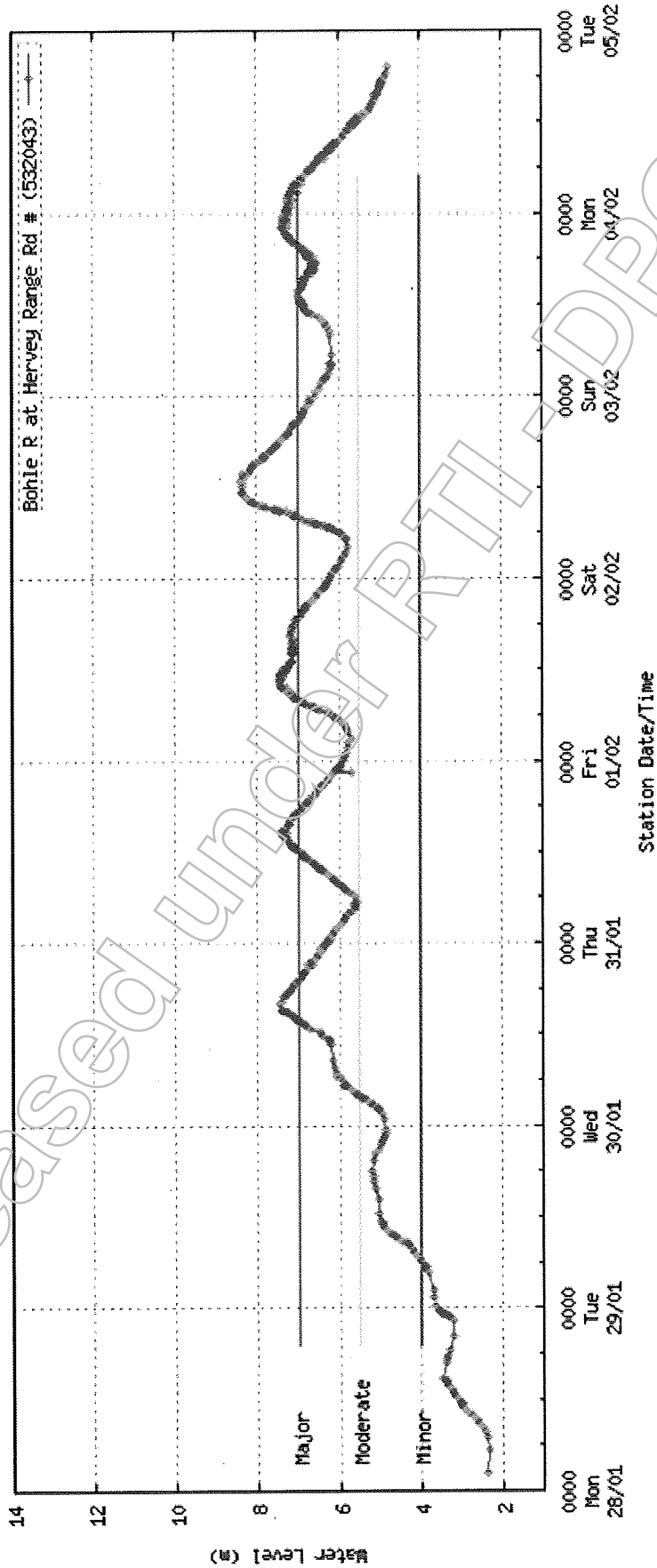


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Australian Government Bureau of Meteorology

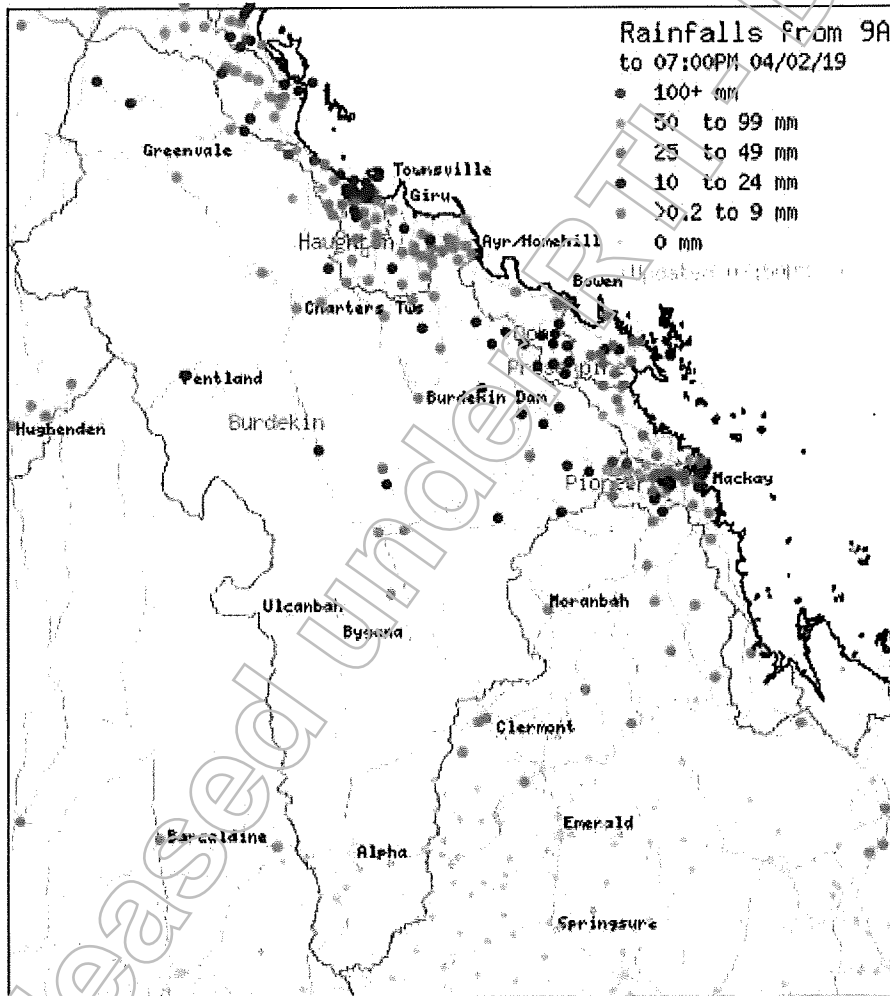
Station details: Station Number: 532043 Name: Bohle R at Hervey Range Rd # Owner: TCC:118907
 Flood levels: Minor: 4.00 Moderate: 5.50 Major: 7.00

Data from the previous 7 days.



(Generated: 04/02/2019 19:42:41)

Australian Government Bureau of Meteorology



Georgia Voutsis

From: NGComms <sdccqfes@id.ngcomms.net> on behalf of State Disaster Coordination Centre <sdcc@qfes.qld.gov.au>
Sent: Monday, 4 February 2019 11:24 PM
To: Georgia Voutsis
Subject: Update Flood Warning - Major for Ross River Catchment
Attachments: Ross River Aplin Weir as at 2317 040219.PNG; IDQ65145 as at 2318 040219.gif

Dear Senior Policy Officer Georgia Voutsis,

Update Flood Warning - Major

Warning Area: Ross River Catchment/s

Regions: Northern ROC
DDMGs: Townsville DDMG
LDMGs: Townsville LDMG

Additional Information

A **Severe Weather Warning** remains current for this catchment.

Weather Warning

IDQ20735

Australian Government Bureau of Meteorology, Queensland

TOP PRIORITY: The Bureau and Emergency Services would appreciate this message being broadcast regularly.

Major Flood Warning for the Ross River

Major Flood Warning for the Bohle and Flood Warning for the Black River and Bluewater Creek

Issued at 11:00 pm EST on Monday 4 February 2019

Flood Warning Number: 49

RISK TO LIFE AND PROPERTY

Dam releases have reduced as levels in the Ross River Dam have reduced.

Moderate flooding is easing slowly at Aplin Weir, however renewed rises to the major flood level are possible if further heavy rainfall occurs.

Conditions may change rapidly. Stay informed, look for updates and follow advice of emergency services.

IMPORTANT INFORMATION FROM TOWNSVILLE CITY COUNCIL:

Residents in many suburbs across Townsville are warned that they may experience flooding from rapid rises of the Ross River. This includes Rosslea, Hermit Park, Railway Estate, Townsville City, Oonoonba, Idalia, Cluden, West End, Rowes Bay, Garbutt, Aitkenvale, Cranbrook, Currajong, Mysterton, Pimlico, Mundingburra, Douglas, Annandale, Kirwan and Thuringowa Central and South Townsville areas.

Everyone in the above suburbs should ensure they move away from riverbanks and get to higher ground. Residents still in their homes in these suburbs should move to the highest ground in their dwelling.

A map of potential inundated properties has been released by Townsville City Council.

If you require evacuation assistance, contact SES on 132 500. For

life-threatening emergencies call 000.

For more information listen to local radio, phone 1800 738 541 or visit Councils Emergency Management Dashboard disaster.townsville.qld.gov.au

Ross River:

Dam releases have reduced as levels in the Ross River Dam have reduced. River levels downstream at Black Weir have eased below the minor flood level (2.00 metres).

The Ross River at Aplin Weir is currently at 2.56 metres (moderate flood) and falling. The Ross River at Aplin Weir is expected to remain below the major flood level (2.90 m) overnight Monday into Tuesday. Further intense rainfall may cause renewed rises.

Bohle River:

River levels are easing along the Bohle River during Monday evening. Renewed rises are possible if further heavy rainfall occurs.

No observations are currently available for the Bohle River at Mt Bohle. Based on upstream river levels, the Bohle River at Mt Bohle is expected to be easing below the major flood level of 7.00 metres.

Black River and Bluewater Creek:

Stream levels along the Black River and Bluewater Creek remain below the minor flood level. Renewed rises are possible if further heavy rainfall occurs.

Flood Safety Advice:

Remember: If it's flooded, forget it. For flood emergency assistance contact the SES on 132 500. For life threatening emergencies, call Triple Zero (000) immediately.

Current emergency information is available at www.qld.gov.au/alerts

Next issue:

The next warning will be issued by 02:00 am EST on Tuesday 05 February 2019.

Latest River Heights:

Lt Bohle R u/s Bohle Junction Alert, 0.44, Falling, 10:31 PM MON 04/02/19

Bohle R at Hervey Range Rd TM, 4.58, Steady, 10:00 PM MON 04/02/19

Bohle R at Dalrymple Rd Alert, 7.89, Falling, 10:51 PM MON 04/02/19

Bohle R at Mt Bohle Alert, Not Available

Black R upstream Bruce Hwy Alert, 2.49, Steady, 10:46 PM MON 04/02/19

Bluewater Ck at Bluewater Alert, 3.63, Falling, 10:33 PM MON 04/02/19

Ross R at Ross River Dam Alert, 42.01, Falling, 10:53 PM MON 04/02/19

Ross R at Black Weir (Riverway) Alert, 1.85, Falling, 10:56 PM MON 04/02/19

Ross R at Aplin Weir Alert, 2.56, Falling, 10:56 PM MON 04/02/19

Ross R at Rooneys Bridge Alert, 4.20, Falling, 10:57 PM MON 04/02/19

Townsville Harbour Tide Alert, 2.15, Steady, 10:59 PM MON 04/02/19

Cape Ferguson Tide TM, 2.29, Steady, 10:33 PM MON 04/02/19

This advice is also available by dialling 1300 659 219. Warning, rainfall and river information are available at www.bom.gov.au/qld/flood. The latest weather forecast is available at www.bom.gov.au/qld/forecasts.

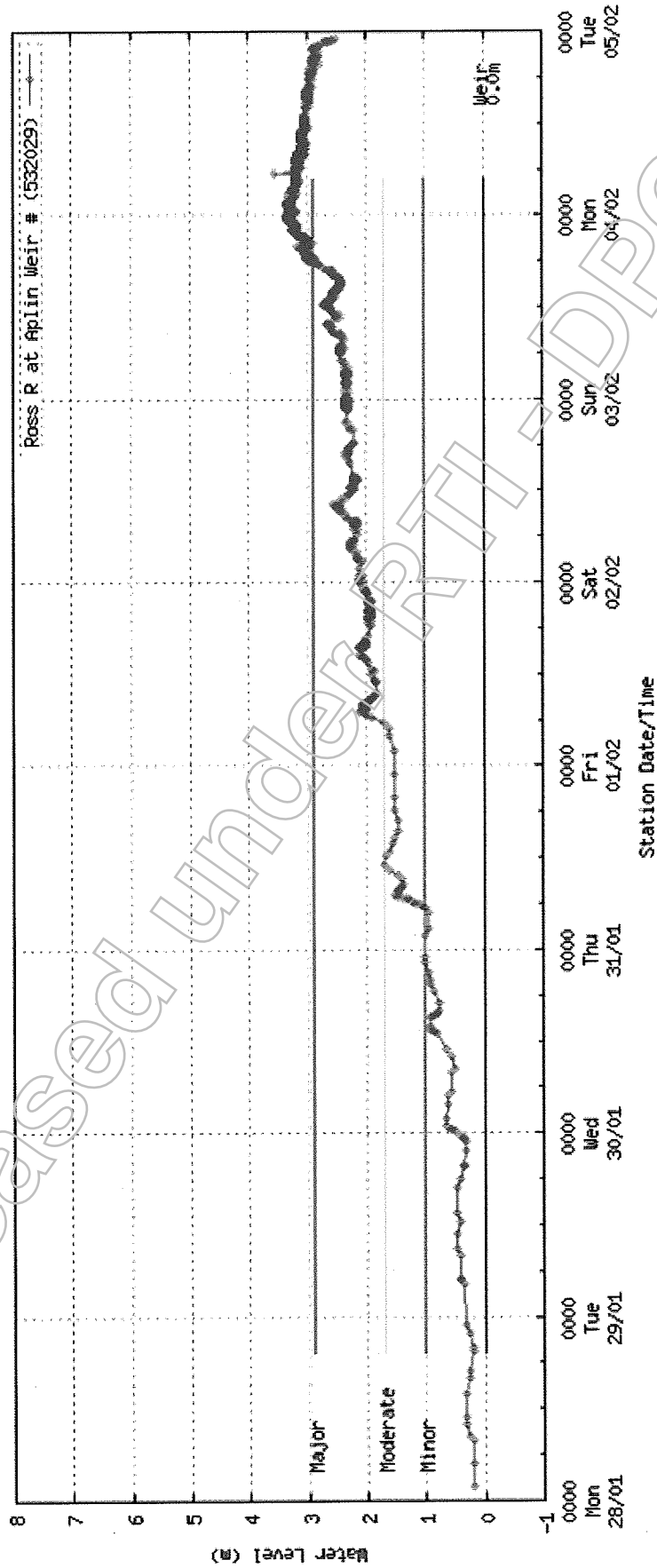
If you require any further information, please contact the SDCC Watch Desk as undersigned.

Regards,

State Disaster Coordination Centre | Watch Desk
Queensland Fire and Emergency Services
Level 2, State Disaster Management Centre, Kedron
GPO Box 1425 Brisbane QLD 4001
P: 07 3635 2387 (24hrs) | M: [REDACTED]
F: 07 3357 4682 | E: sdcc@qfes.qld.gov.au

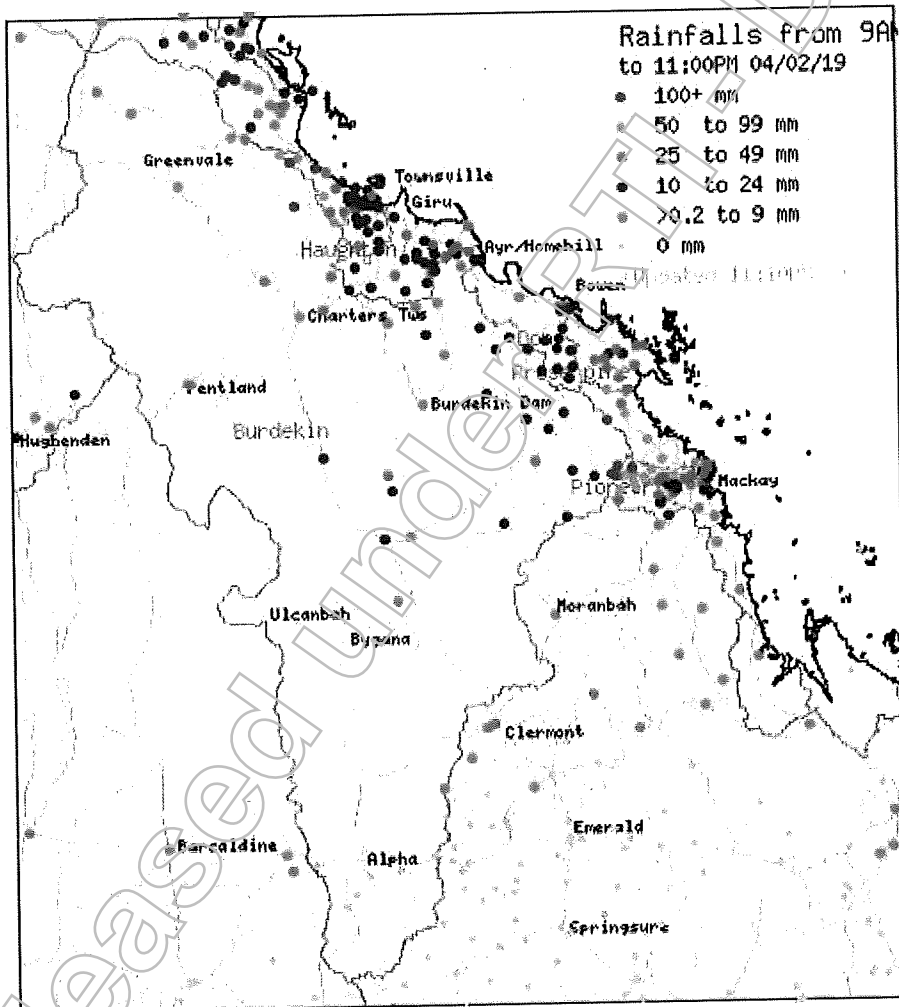
Station details: Station Number: 532029 Name: Ross R at Aplin Weir # Owner: TCC:118900
 Flood levels: Minor: 1.00 Moderate: 1.70 Major: 2.90

Data from the previous 7 days.



(Generated: 04/02/2019 23:13:08)

Australian Government Bureau of Meteorology



Released Under RTI DPC