

**QUEENSLAND RECONSTRUCTION AUTHORITY**

# Monthly Report

**January 2018**

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## **Information security**

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*Message from the Chief Executive Officer*

Major General Richard Wilson AO (Ret'd)  
Chairman  
Queensland Reconstruction Authority

Dear Major General Wilson

It is with pleasure that I present the January 2018 Monthly Report – the 83rd report to the Board of the Queensland Reconstruction Authority (QRA).

QRA was established under the *Queensland Reconstruction Authority Act 2011* (the Act) following the unprecedented natural disasters that struck Queensland over the summer months of 2010-11.

QRA is charged with helping Queensland communities effectively and efficiently recover from the impacts of natural disasters through managing and coordinating the Queensland Government's program of infrastructure renewal and recovery within disaster-affected communities and being the state's lead agency responsible for disaster recovery, resilience and mitigation policy.

The January report provides a snapshot of progress in the State's Natural Disaster Relief and Recovery Arrangements (NDRRA) program of recovery and reconstruction works from the disaster events of recent years and an update on progress in recovery, resilience and mitigation activities.

Of the estimated \$1.3 billion program of reconstruction works for 16 events from the 2016 and 2017 disaster periods that are in the active delivery phase, \$704 million has been approved by QRA and additional submissions worth \$378 million are being assessed by QRA or awaiting additional information. QRA is working with delivery agents to progress their preparation of submissions for the remaining program. \$371 million (28 percent) of works in relation to the delivery program has been reported to QRA at 30 November 2017 as in progress or delivered.

QRA is also managing the close out of an estimated \$1.6 billion works from the 2013 to 2017 disaster periods that will be acquitted in claims to the Commonwealth over the next three financial years. Of this, QRA is currently finalising assessment of completion documentation to close out the 2015 events and other works for acquittal in the next disaster funding claim, due to the Commonwealth in March 2018.

The December report's Program Spotlights profile:

- A review of the State's disaster response and recovery efforts in 2017, including the response and recovery from yet another devastatingly severe cyclone in the form of Severe Tropical Cyclone (STC) Debbie, as well as achieving progress in building the state's recovery capability and resilience to disasters
- the automated surveying technology being trialled to monitor slope movement by the Department of Transport and Main Roads (TMR) during disaster reconstruction works on the Sarina Range after the slope was weakened by the effects of Severe Tropical Cyclone Debbie in March 2017. TMR has installed the monitoring system to ensure safety during reconstruction
- the establishment of the state's first 'community disaster recovery team' under the direction of the North Burnett Regional Council, to take the lead on preparing the region for the next disaster.

I commend the report to you and recommend its release to the Minister and the public pursuant to Section 41 of the Act.

Yours sincerely



Chief Executive Officer  
Queensland Reconstruction Authority

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**Section one:**  
**Introduction**



# 1.0 Introduction

## 1.1 Purpose

The Queensland Reconstruction Authority (QRA) was established on 21 February 2011 under the *Queensland Reconstruction Authority Act 2011* (the Act) following the extensive series of natural disasters that impacted Queensland over the summer of 2010-11.

QRA’s mission is **to reconnect, rebuild and improve Queensland communities and its economy.**

QRA is charged with managing and coordinating the Government’s program of infrastructure renewal and recovery within disaster-affected communities, with a focus on working with our state and local government partners to deliver best practice expenditure of public reconstruction funds.

QRA is also the state’s lead agency responsible for disaster recovery, resilience and mitigation policy. In this role QRA is working collaboratively with other agencies and key stakeholders to improve risk reduction and disaster preparedness.

Initially established for a two-year period, QRA was extended a number of times as its role expanded to cover historical and continuing disaster events. In June 2015, QRA was made permanent, enabling it to continue the critical work of helping Queensland communities effectively and efficiently recover from the impacts of natural disasters.

As part of its role, QRA administers the rebuilding program for Natural Disaster Relief and Recovery Arrangements (NDRRA) activated disaster events and is responsible for the acquittal of NDRRA funding including Counter Disaster Operations, Emergent Works, Restoration of Essential Public Assets, Category C and Category D assistance to State Departments and Agencies (SDA) and Local Government Authorities (LGA). Since its establishment in February 2011, QRA has managed and coordinated the infrastructure reconstruction and recovery for 69 disaster events activated for NDRRA relief measures.

## 1.2 Timing

The Commonwealth NDRRA Determination imposes time limits for the delivery and acquittal of works.

The Determination provides for a time limit of two financial years after a disaster to deliver reconstruction works and a further nine months after the end of the financial year in which the works were completed in order to acquit the works. NDRRA funding is formally acquitted through the annual submission of a financial statement to the Commonwealth comprising claims for financial assistance in respect of state NDRRA expenditure incurred on eligible disasters in the preceding financial year (Commonwealth Claim). Lodgement of Commonwealth Claims is required to secure reimbursement of the Commonwealth’s share of eligible expenditure.

As QRA is managing a series of events that occurred across a number of financial years, QRA’s program is spread across various stages in the delivery and acquittal phases as follows:



Following acceptance of the 2015-16 NDRRA Claim by the Commonwealth in June 2017, QRA has finalised the close out of all works up to and including the 2014 events other than a small number of projects that received extensions of time for drought-related impacts.

NDRRA works for 29 disaster events activated for the 2014, 2015, 2016, 2017 and 2018 event periods are currently in the delivery and/or acquittal phases.

On 30 June 2017, the deadline passed to complete NDRRA works from the 2015 events. Currently QRA is working with delivery agents to gather and assess completion documentation to close out the 2015 events’ works for acquittal in the 2016-17 claim.

QRA is also working with delivery agents to progress delivery of the 2016 and 2017 event programs including providing advice and assistance with damage assessments and submission preparation for Severe Tropical Cyclone Debbie and other recent 2017 and 2018 events.

**Section two:**  
**Disaster Assistance**

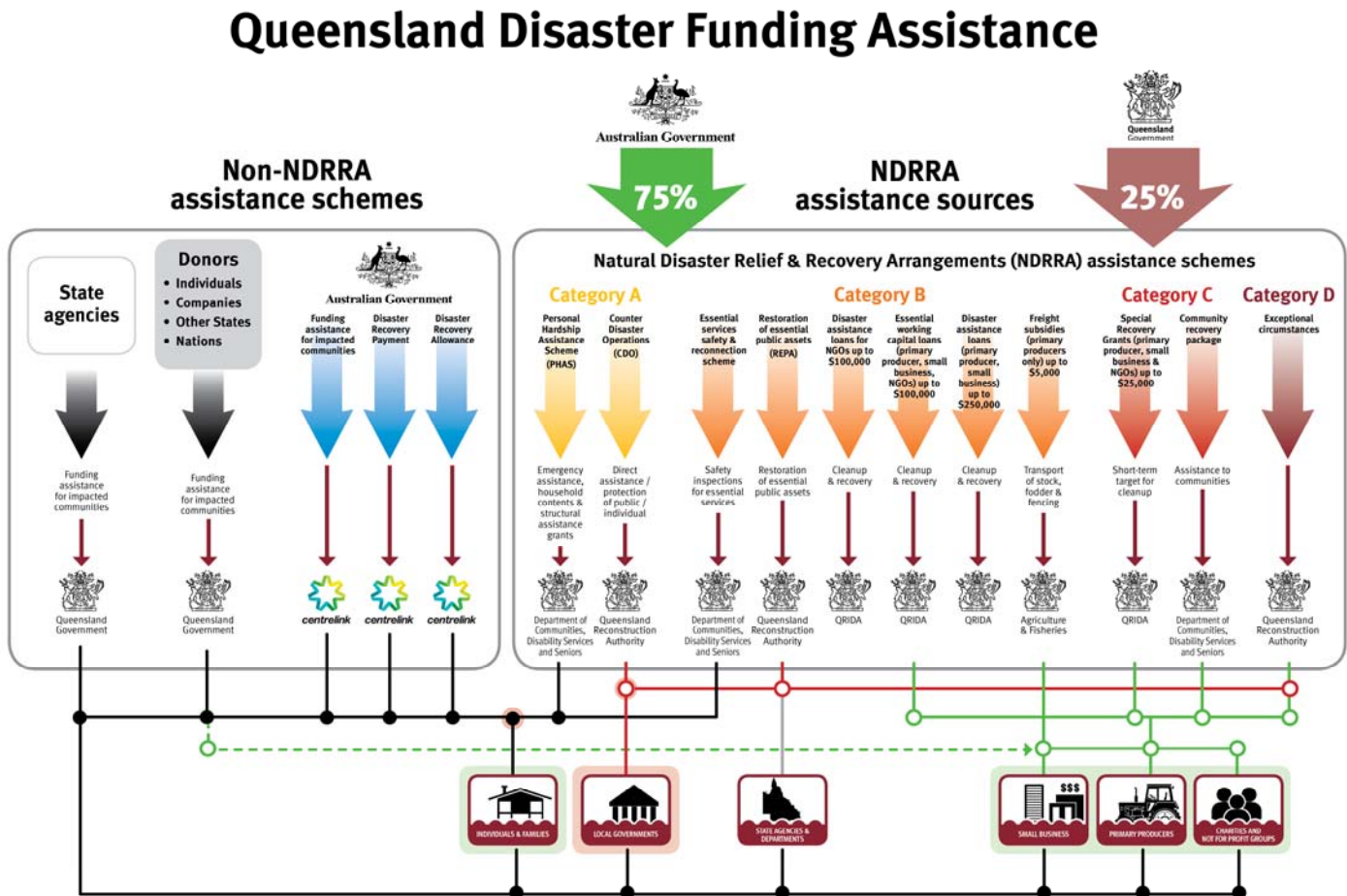


## 2.0 Disaster Assistance

### 2.1 Queensland Disaster Assistance Framework

The available Queensland Disaster Assistance schemes are separated between NDRRA (jointly funded by the Commonwealth and State governments) and non-NDRRA funding schemes. The diagram below indicates the different elements of assistance available and how each element operates.

Figure 2.1.1 Queensland Disaster Assistance Framework



Elements of the assistance schemes are delivered by State agencies, however all NDRRA assistance sources (and elements of the non-NDRRA assistance schemes) are administered by QRA for historical and continuing disaster events in Queensland.

#### Disaster events managed by QRA

The list of activated disaster events managed by QRA is set out in **Section 2.2** and can also be found on [www.disaster.qld.gov.au](http://www.disaster.qld.gov.au).

This report includes references to event periods described as follows:

- **2018 events:** disaster events occurring in the financial year ending **30 June 2018**
- **2017 events:** disaster events occurring in the financial year ending **30 June 2017** (including Severe Tropical Cyclone Debbie)
- **2016 events:** disaster events occurring in the financial year ending **30 June 2016**
- **2015 events:** disaster events which occurred in the financial year ended **30 June 2015**
- **2014 events:** disaster events which occurred in the financial year ended **30 June 2014**
- **2013 events:** disaster events which occurred in the financial year ended **30 June 2013** (including Tropical Cyclone Oswald and associated rainfall and flooding (January 2013))
- **2012 events:** disaster events which occurred in the financial year ended **30 June 2012**
- **2011 events:** disaster events which occurred in the financial year ended **30 June 2011** (including Tropical Cyclone Yasi and Queensland flooding (December 2010 to February 2011)).



## 2.2 Events and relief measures managed by QRA

QRA has responsibility to administer NDRRA relief measures for historical and continuing disaster events in Queensland.

Since its establishment in February 2011, QRA has managed and coordinated the infrastructure reconstruction and recovery for 69 disaster events activated for NDRRA relief measures. Of these, 40 events are complete, having been delivered, closed out and acquitted to the Commonwealth in audited claims.

Works for 26 events from the 2015 to 2018 event periods are currently in the delivery phase and completed works from a further three events from the 2014 event period are also in the acquittal phase<sup>1</sup>.

The figures opposite show the LGAs activated for relief measures under NDRRA for the 2015 to 2017 event periods that are either still in delivery and/or acquittal phase. A summary of previous events dating back to 2007 that have been managed through to acquittal by QRA is provided in Appendix B.

### 2018 events

*(Works to be delivered by 30 June 2020, with final acquittal due by March 2021)*

- Central Coast Queensland Severe Weather, 16 – 19 October 2017<sup>2</sup>

### 2017 events

*(Works to be delivered by 30 June 2019, with final acquittal due by March 2020)*

- Far North Queensland Trough, 21-28 March 2017
- Far North Queensland Trough, 3-10 February 2017
- Severe Tropical Cyclone Debbie and associated rainfall and flooding, 28 March - 6 April 2017
- Gulf Tropical Low, 15-24 February 2017
- Far North Queensland Low, 8-11 January 2017
- Western Queensland Flooding, 13-20 September 2016
- Central Queensland Severe Weather, 15-20 July 2016

### 2016 events

*(Works to be delivered by 30 June 2018, with final acquittal due by March 2019)*

- Central Western Queensland Flooding, 13-19 June 2016
- Far North Queensland Upper Level Trough, 21-23 May 2016
- South West Queensland Floods, 7-9 May 2016
- Far North and North West Queensland Tropical Low, 14-18 March 2016
- Western Queensland Trough, 7-11 March 2016
- Central Coast Surface Trough, 4-8 February 2016
- Central Western Queensland Heavy Rainfall & Flooding, 2-4 February 2016
- Gulf of Carpentaria Monsoon Trough – 20-31 December 2015
- Fernvale Severe Storm, 27 October 2015.

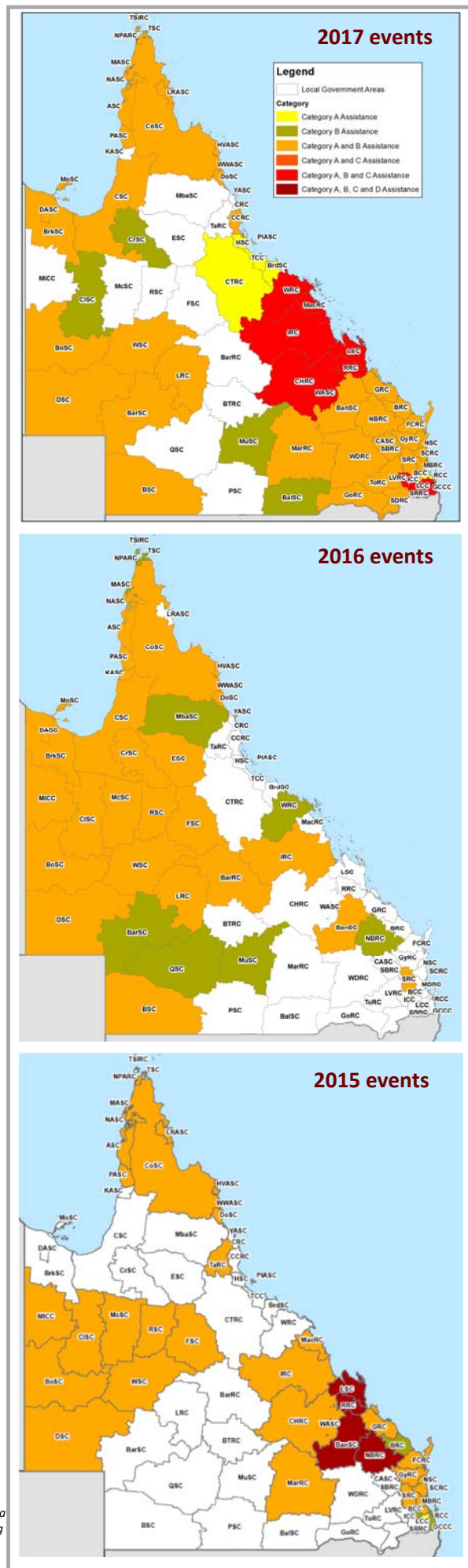
### 2015 events

*(Works to be delivered by 30 June 2017, with final acquittal due by March 2018)*

- South East Queensland Low, 30 April – 1 May 2015
- Tropical Cyclone Nathan and associated rainfall & flooding, 11-15 March 2015
- Severe Tropical Cyclone Marcia and South East Queensland Trough - 19 to 22 February 2015
- Tropical Cyclone Lam, 15-18 February 2015
- North Queensland Severe Weather and Flooding - 8 to 15 February 2015
- Central Eastern Queensland Heavy Rainfall and Flooding - 21 to 29 January 2015
- Western Queensland Heavy Rainfall and Flooding - 5 to 18 January 2015
- Central Queensland Heavy Rainfall and Flooding - 8 to 14 December 2014
- Brisbane Severe Thunderstorm - 27 December 2014.

1. The NDRRA Determination imposes a time limit of two financial years after a disaster to deliver reconstruction works (delivery phase) and a further nine months to acquit completed works (acquittal phase) through lodgement of an annual claim to the Commonwealth. Following extension of time approvals, a number of projects from the 2014 and 2015 event period are still in delivery and/or acquittal phases.

2. Bundaberg, Fraser Coast, Gladstone and North Burnett LGA's activated to date.



**Section three:**

# **Program Status**



## 3.0 Program Status

### 3.1 NDRRA program status

The estimated value of the total NDRRA program of works managed by QRA since its establishment is \$14.3 billion.

Of this, \$12.7 billion of works from the 2009-10, 2011, 2012, 2013, 2014 and 2015 events have been finalised (delivered and acquitted) with remaining works for components of the 2013, 2014, 2015, 2016 and 2017 event years in the active delivery and/or acquittal phases.

The current status of each active program is summarised as follows:

#### 2014 Events

All 2014 event works have been acquitted by the Commonwealth other than three councils' programs granted extensions of time to deliver works for drought-related reasons.

These works are now complete and will be closed out and acquitted in the next (2016-17) claim due to the Commonwealth in early 2018.

#### 2016 Events

All submissions for the 2016 events have been pre-approved and works are required to be complete by 30 June 2018 in order to be eligible under NDRRA.

QRA continues to monitor and assist councils and state agencies with progressing their program of 2016 event works through delivery.

#### 2015 Events

The deadline passed to complete NDRRA works from the 2015 events on 30 June 2017. Other than three projects that requested extensions of time, delivery agents have indicated works were completed on time.

QRA is currently finalising the close out of the balance of 2015 event works that were completed up to 30 June 2017 for acquittal in the 2016-17 claim.

#### 2017 Events

Across the 2017 disaster season, 62 councils were activated for NDRRA assistance from seven events.

QRA is currently assisting, as required, with damage assessments in order to progress the reconstruction program into delivery as soon as possible. Delivery agents have until 30 June 2019 to deliver eligible NDRRA works.



In other areas relevant to NDRRA:

- The first event of the 2018 event year - *Central Coast Queensland Severe Weather, 16-19 October 2017* - also forms part of the delivery program, with reporting of estimates and progress to commence once damage assessments are complete.
- QRA is continuing to trial and participate in consultation with the Commonwealth and other jurisdictions in relation to potential funding reforms. The Commonwealth is investigating a model to provide natural disaster recovery funding based on upfront damage assessments and estimated reconstruction costs.



Disaster reconstruction works underway by TMR during November 2017 following impacts of STC Debbie: (left) Lamington National Park Road landslide works; (middle) Soil nailing on upper slope on the Sarina Range; (right) Early works at landslide site on the Sarina Range

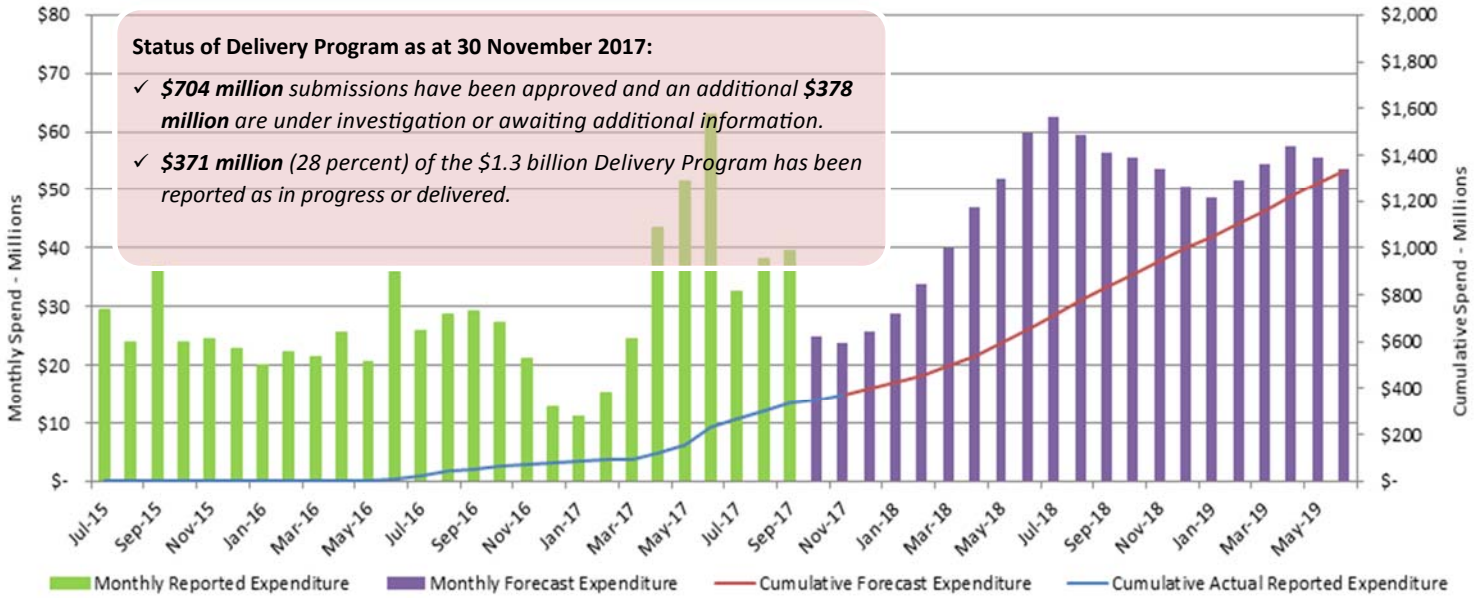
(Source: The Authority, 30 November 2017)

### 3.1 NDRRA program status (cont.)

#### Delivery Program status

The QRA is managing the assessment of submissions and delivery of works with an estimated value of \$1.3 billion for 16 events comprising the 2016 and 2017 Events (**Delivery Program**)<sup>1</sup>.

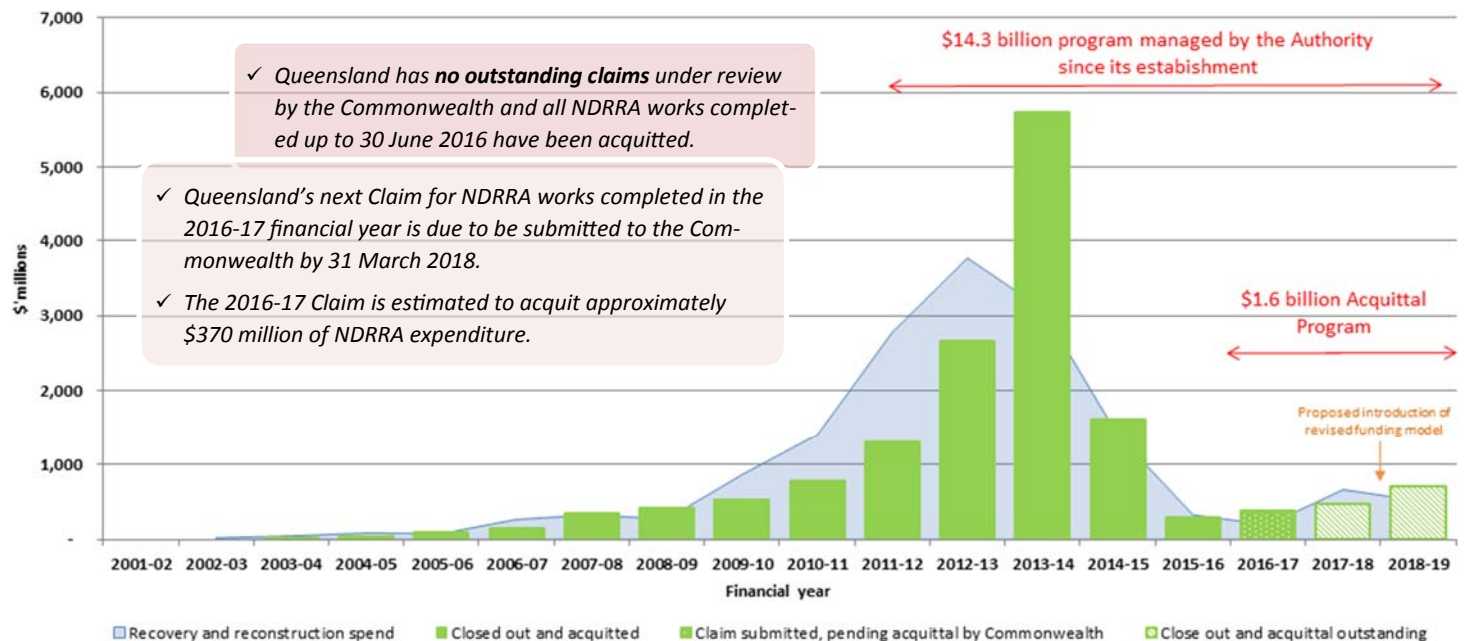
The graph below shows the actual reported and forecast monthly remaining expenditure for all NDRRA works since 1 July 2015, and estimated total costs to deliver the 2016 and 2017 events that are in the delivery phase.



#### Acquittal Program status

The QRA is currently managing an acquittal program worth \$1.6 billion, comprising the remaining works for 29 events from the 2014 to 2017 Events<sup>1</sup> that are yet to be acquitted in claims to the Commonwealth.

The following graph shows the historical and projected acquittal profile for Queensland as per Commonwealth Claims submitted for the 2001-02 to 2015-16 financial years and preliminarily expected to be submitted for 2016-17 to 2018-19 in order to finalise the Acquittal Program. Should funding reforms be introduced as envisaged from 1 July 2018, the state will administer and submit claims under both the existing NDRRA Determination and also under the revised arrangements for a two year period (2018-19 and 2019-20) whilst the existing model is phased out.



1. Program estimates and reporting in relation to the 2018 Events (one of which has occurred to date) will commence following the next estimates review process at February 2018.

### 3.1 NDRRA program status (cont.)

#### Additional NDRRA assistance measures - 2017 Events

The State Government in conjunction with the Commonwealth has activated a range of Category C and Category D relief measures to alleviate distress for communities, businesses, industries and the environment impacted by STC Debbie.

| Package   | Purpose  | Status  |
|---|--|---|
| <b>Category C NDRRA measures</b>                              |  |   |
| <b>Community Recovery Package (\$14.9 million)</b>            | <ul style="list-style-type: none"> <li>To deliver support programs to individuals, and community mental health and community development programs.</li> <li>Over a two year period, the program will support initiatives and projects aimed at restoring social networks and building community resilience and capacity for the future in the local government areas of Gold Coast, Isaac, Logan City, Mackay, Rockhampton, Scenic Rim and Whitsunday.</li> <li>The Queensland Government Department of Communities, Child Safety and Disability Services (DCCSDS) and Queensland Health (QHealth) will deliver three programs:               <ul style="list-style-type: none"> <li>Individual Support Program (DCCSDS)</li> <li>Community Development Program (DCCSDS)</li> <li>Community Mental Health Program (QHealth)</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Mobile and static services are being delivered on the ground in all locations.</li> <li>Procurement is underway for the Reporting and Evaluation component of the program.</li> <li>Mental Health screening continues in all regions, with identified clients being referred to appropriate mental health services as part of the program delivery models.</li> <li>Over 120 clinical hours of service delivered in the impacted communities.</li> <li>Recruitment for most clinical positions have been finalised. Some vacancies remain but alternative arrangements are in place to support clinical delivery.</li> </ul>   |
| <b>Category D NDRRA measures</b>                              |  |   |
| <b>Local Council Package (\$17.3 million)</b>                 | <p>Infrastructure projects in key impact areas to generate employment, boost the local economy, drive community resilience and build resilience:</p> <ul style="list-style-type: none"> <li><b>Shute Harbour Marina (\$15.2 million)</b> - demolish and replace the existing jetty, rebuild the terminal building, repair an existing seawall, and replace ancillary infrastructure</li> <li><b>Airlie Beach repairs, Whitsundays (\$850k)</b> - for repairs</li> <li><b>Bluewater Trail, Mackay (\$1.2 million)</b> - to repair damage and remove debris caused by STC Debbie.</li> </ul>   | <ul style="list-style-type: none"> <li>Whitsunday Regional Council are in the process of engaging a consultant to prepare draft concept design and a cost estimate. Applications to the State Assessment and Referral Agency (SARA) have been made for the demolition of the Lloyd Roberts jetty and terminal building. Functional design brief is nearing completion. Demolition is scheduled to commence in February 2018.</li> <li>Repairs are underway to Airlie Beach foreshore parklands with insurance covering a portion of the cost. Whitsunday Regional Council are in the process of determining the eligible NDRRA Category D component.</li> <li>Repairs are underway to Bluewater Trail with insurance covering a portion of the cost. Mackay Regional Council are in the process of determining the eligible NDRRA Category D component.</li> </ul>  |
| <b>Resilient Infrastructure (Betterment) (\$41.9 million)</b> | <ul style="list-style-type: none"> <li>To restore or replace essential public assets to a more disaster resilient standard than existed pre-disaster.</li> <li>The normal cost of restoring or replacing the asset to its pre-disaster standard is funded under Category B NDRRA and the incremental cost to 'better' the asset to a more disaster-resilient standard is funded by a capped allocation from the Betterment fund and Council contributions.</li> </ul>  | <ul style="list-style-type: none"> <li>\$1.9 million of the Betterment fund has been pre-approved by the Commonwealth to cover the betterment component on the Shute Harbour Marina seawall</li> <li>Expressions of Interest (EOI) for the remaining \$40 million funding were received from 19 of the 29 eligible (councils activated for Category B (REPA) seeking \$114 million.</li> <li>Betterment EOI assessment outcomes were sent to LGAs on 19 September, inviting detailed applications for projects seeking more than \$41 million.</li> <li>91 submissions have been received from 16 Councils:               <ul style="list-style-type: none"> <li>37 submissions worth \$14m have been approved</li> <li>54 submissions are currently under assessment by QRA</li> </ul> </li> <li>More than 60 additional detailed applications are expected to be submitted by LGAs in the near future.</li> </ul> |

### 3.1 NDRRA program status (cont.)

#### Additional NDRRA assistance measures - 2017 Events

| Package  | Purpose  | Status   |
|--|--|--|
| <b>Category D NDRRA measures</b>                     |  |  |
| <b>Environmental Recovery Package (\$35 million)</b> | <ul style="list-style-type: none"> <li>To ensure the recovery of impacted environmental areas, including the clean-up of beaches, recreational parks, rivers and waterways</li> <li>\$35 million of the Environmental Recovery Package across five areas:               <ol style="list-style-type: none"> <li>Coastal</li> <li>Environmental</li> <li>Riparian</li> <li>Mapping</li> <li>Water Courses</li> </ol> </li> </ul> | <ul style="list-style-type: none"> <li>QRA &amp; the Department of Environment &amp; Science (DES) have agreed on a notional allocation of \$20 million for part A and B packages, and \$15 million for part C, D &amp; E packages following a review of all Expressions of Interest (EOIs).</li> </ul> <p><b>A &amp; B (Coastal, Environmental) - \$20 million</b></p> <ul style="list-style-type: none"> <li>EOIs were received from 14 of the 37 eligible Councils seeking \$31.5 million. Projects were shortlisted and Councils were requested to submit detailed applications.</li> <li>38 submissions have been received from twelve Councils and one State Agency.</li> <li>22 submissions worth more than \$8 million across nine Councils have been approved to date.</li> </ul> <p><b>C, D &amp; E (Riparian, Mapping, Water Courses) - \$15million</b></p> <ul style="list-style-type: none"> <li>Following receipt of EOIs from seven Natural Resource Management (NRM) bodies, DES has allocated all funding under a two stage process:               <ul style="list-style-type: none"> <li>\$4.8 million priority projects approved November 2017 (Stage 1)</li> <li>\$10.6 million of projects approved December 2017 (Stage 2).</li> </ul> </li> </ul> |
| <b>Economic Recovery Package (\$2.1 million)</b>     | <ul style="list-style-type: none"> <li>To support recovery of industry and businesses in and around impacted areas that experienced significant disruption and damage</li> </ul>   | <ul style="list-style-type: none"> <li>The Department of Agriculture &amp; Fisheries (DAF) has all Industry Recovery Officers (IRO) on the ground in the impacted areas.</li> <li>Rural financial counselling services are also delivering support on the ground in impacted areas.</li> <li>QRA, DAF and DTESB have coordinated workshops undertaken on 16-18 October in the hardest hit areas. These workshops supported cross sector work with primary producers, small business and the tourism sector.</li> <li>IRO's and RFC's have been working across impacted regions to deliver services and support to primary producers and communities.</li> </ul>  |

#### Other active Category D measures

- The State Government and Commonwealth have agreed to continue the **Day Labour** exemption for the 2015, 2016, 2017 and 2018 events, which enables councils to deliver restoration works with their own workforce on condition that they provide evidence of savings in both time and cost.

#### Additional State non-NDRRA assistance measures - 2017 Events

- The state has committed to fund the full \$110 million of additional assistance measures that it would have funded under its original \$220 million Category D proposal to the Commonwealth.
- The State will fund an additional \$62 million of recovery measures in addition to its \$48 million (50 percent) contribution to the \$96 million package of NDRRA Category D packages approved by the Commonwealth.
- To date, the State has announced funding of \$2.65 million towards the revitalisation of the Airlie Beach Foreshore. Additional funding for the project of \$2.83 million is being provided through the state's Building our Regions program and \$850,000 is being provided through the Category D program.

### 3.2 Recovery, resilience and mitigation activities

QRA is leading disaster recovery, resilience and mitigation policy in Queensland. A summary of recent progress is set out below:

| Activity   | Purpose  | Status   |
|--|--|--|
| <b>Recovery Capability Development</b>                             | <p>Recovery from Severe Tropical Cyclone Debbie highlighted the varying levels of recovery capability across local governments.</p> <p>The Recovery Capability Development Project aims to address gaps in recovery capability through a series of training workshops and exercises.</p>   | <ul style="list-style-type: none"> <li>An analysis of resilience and recovery indicators including vulnerability, disaster management plans, recovery plans, NDRRA activations, NDRP and LGGSP projects, Get Ready, Flood Investment Plans, Flood Classifications and Hazard exposure has been undertaken to develop a prioritised list of local governments to be included in the Recovery Capability Development Project.</li> <li>This project will be delivered in the following stages:               <ol style="list-style-type: none"> <li>1. Initial Engagement</li> <li>2. Training and Exercise Package Development</li> <li>3. Training and Exercise Delivery (complete by 1 June 2018)</li> </ol> </li> <li>This project is expected to be delivered by mid 2018.</li> <li>The Recovery Capability and Development Project will be developed and delivered collaboratively with state government recovery partners, including QFES, the Queensland Police Service (QPS) and the Department of Communities, Disability Services and Seniors (DCDSS).</li> <li>Where possible, related resilience work will be incorporated into the engagement activities conducted as Stage 2 of the project.</li> </ul> |
| <b>Disaster Management Reviews</b>                                 | <p>In 2015, a series of reviews were conducted into disaster management operations following Severe Tropical Cyclone Marcia.</p> <p>An Interdepartmental Committee was established to review 160 recommendations from these reviews, including KPMG's operational review of QRA.</p> <p>KPMG's operational review of the QRA identified 14 recommendations relating to operational and policy-related matters, including the need for clarity in the disaster management framework on the roles and responsibilities of the QRA.</p> | <ul style="list-style-type: none"> <li>11 of the 14 recommendations have been completed to date.</li> <li>The three remaining recommendations are progressing:               <ul style="list-style-type: none"> <li>– Technical leadership in Commonwealth funding negotiations</li> <li>– Greater role in prioritisation of disaster recovery funding</li> <li>– QRA provide support to the lead agency, QFES for a central repository for the collection and storage of whole-of-government disaster management data. Two workshops have been held between QRA and QFES to scope the recommendation.</li> </ul> </li> </ul>  |
| <b>Burnett Catchment Flood Resilience Strategy (pilot project)</b> | <p>QRA is delivering a pilot project for a catchment scale approach to flood resilience that will support LGAs in developing their own flood risk management strategies and resilience plans. The purpose of the pilot is to test and evaluate the relevant methodologies for potential State-wide application.</p>  | <ul style="list-style-type: none"> <li>The Burnett Catchment Flood Resilience Strategy is a pilot project to facilitate delivery of improved flood resilience on a catchment scale.</li> <li>The Pilot project will test technical methodologies and assess the suitability of this work being delivered across the remainder of the state.</li> <li>The project has the support of the Wide Bay Burnett Regional Organisation of Councils, who will act as the Steering Committee for the project.</li> <li>Several risk workshops have been successfully held in Bundaberg and Biggenden and the project is on track to be delivered by mid-2018.</li> </ul>   |

### 3.2 Recovery, resilience and mitigation activities (continued)

| Activity  | Purpose  | Status   |
|---|--|--|
| <b>Queensland Strategy for Disaster Resilience— Implementation Plan</b> | The Queensland Strategy for Disaster Resilience was released in July 2017 and provides an overarching framework to empower Queenslanders to factor in resilience measures and activities as they anticipate, respond and adapt to changing circumstances.  | <ul style="list-style-type: none"> <li>• A draft Implementation Plan has been developed for consideration in consultation with key stakeholders including government, non-government and community organisations independently and through a Focus Group which has met four times.</li> </ul>  |
| <b>Operation Queensland Recovery Plan and reporting</b>                 | <p>The Operation Queensland Recovery Plan provides the framework for a community-led approach to recovery following STC Debbie.</p> <p>The plan focuses on empowering local governments, supported by state agencies, to deliver local solutions to ensure communities are able to lead their own recovery and build resilience for future events.</p> <p>The Recovery Plan includes local recovery plans for the eight most severely impacted local government areas.</p> | <ul style="list-style-type: none"> <li>• The Operation Queensland Recovery Plan was tabled in Queensland Parliament and publicly released on 9 May 2017.</li> <li>• QRA is continuing to monitor and coordinate recovery progress and effectiveness of recovery efforts.</li> <li>• In December 2017, QRA staff engaged recovery staff from the eight most severely impacted local governments and regional state agencies to confirm the status of local recovery efforts and ongoing support requirements.</li> </ul>  |
| <b>Brisbane River Catchment Flood Studies</b>                           | <p>The Queensland Government and local councils are working together on a long-term plan to manage the impact of future floods and enhance community safety and resilience in the Brisbane River floodplain.</p> <p>The project includes development of a Flood Study followed by a Strategic Floodplain Management Plan (SFMP) that will guide a coordinated approach to planning and response activities to manage flood across the floodplain.</p>                      | <ul style="list-style-type: none"> <li>• The Flood Study is complete and available to the public following its launch on 5 May 2017.</li> <li>• The Flood Study supports the development of a draft SFMP, which is underway and scheduled for completion in early 2018.</li> <li>• The QRA is working with four councils (Brisbane, Ipswich, Somerset and Lockyer Valley) as well as government agencies and industry to coordinate a regionally consistent approach to managing the Brisbane River Floodplain.</li> <li>• A range of regional scale opportunities are being investigated as part of the SFMP including structural mitigation options, disaster management, land use planning, community awareness and resilience, building controls and integrated catchment management.</li> <li>• Community engagement was undertaken for the project between 14 August 2017 and 15 September 2017. This included public information displays and an online survey.</li> <li>• Detailed Local Floodplain Management Plans will commence from 2018.</li> </ul> |
| <b>Flood Warning Gauge Network Project</b>                              | QRA continues to assist the Bureau of Meteorology (Bureau) to ensure the best available information is available for providing flood warnings and forecasts.   | <ul style="list-style-type: none"> <li>• All Stage 1 and Stage 2 Flood Warning Gauge Network Investment Plans have been finalised. In total 44 Investment Plans have been issued and 62 local councils identified in a state-wide review as requiring more detailed review of flood warning infrastructure.</li> <li>• This includes a Cape Report integrating all the Cape councils together.</li> <li>• QRA has finalised the forecast location recommendations to the Bureau, which identifies eleven new forecast locations for consideration. This has been issued to the Bureau.</li> <li>• The Brisbane catchment audit has now been completed by the QRA and has been issued. The Queensland (rest of state) gauge audit report has been received in draft from the Bureau. QRA has provided feedback and is awaiting the final report back from the Bureau.</li> </ul>  |
| <b>North Stradbroke Island Bushfire Management Plan</b>                 | The QRA and Quandamooka Yoolooburrabee Aboriginal Corporation (QYAC) are partnering to deliver Township Bushfire Management Plans for Point Lookout (Mooloomba), Amity (Pulan Pulan) and Dunwich (Goompi).   | <ul style="list-style-type: none"> <li>• QRA is undertaking this project in partnership with QYAC with support from the Department of National Parks, Sport and Racing (DNPSR).</li> <li>• All three plans are scheduled for completion in early 2018.</li> <li>• QYAC / QRA have presented the concept of the township bushfire management plans to the Southern Fire Managers Group, on North Stradbroke Island and to the Bushfire IDC in Caboolture. Both groups welcomed this approach and are keen to be involved.</li> </ul>  |



### 3.3 Program spotlights

#### 2017 in review

#### Queensland responds to another significant year of natural disasters

2017 was another tough year for Queensland communities impacted by a number of natural disaster events across the state.

Despite these challenges, Queensland's success in promoting disaster preparedness has resulted in more communities not only recovering faster from disasters, but strengthening their resilience to future weather events.

This was demonstrated through the swift response during Severe Tropical Cyclone (STC) Debbie and the five other events of 2017 that effected families, businesses and the agriculture and tourism industries.

While severe weather is nothing new in Queensland, in late March and early April 2017, communities from the Whitsundays to the New South Wales border were hit by STC Debbie. This weather event has been reported as the second most financially damaging storm in our nation's history, with only Cyclone Tracy being more destructive.

The impact to the farming, tourism, environment and resources sectors resulted in damage estimates to public infrastructure in the order of more than \$700 million, a \$450 million impact to agriculture and over \$150 million in losses to the tourism industry.

The Australian and Queensland Government jointly funded a \$96.2 million Natural Disaster Relief and Recovery Arrangements (NDRRA) Category D exceptional circumstances package for 29 councils activated for assistance following STC Debbie.

As part of this package, \$41.9 million has been made available for Betterment projects which aim to not only repair public assets, but to build them back stronger and more disaster resilient.

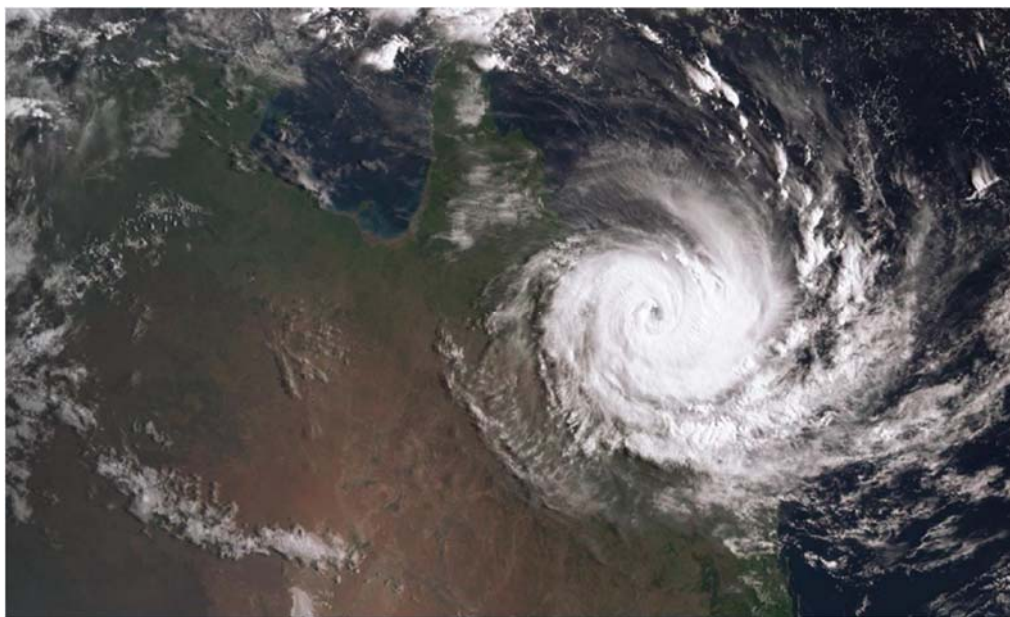
As recovery efforts continued across these communities, some were hit again in October when the Queensland central coast sustained extensive damage when a severe weather system stuck, dumping up to 450mm of rain across the North Burnett, Gladstone, Bundaberg and Fraser Coast regions.

NDRRA funding for these local councils has been secured for this event, including Category C grants of up to \$25,000 to help primary producers in Bundaberg and North Burnett with their extraordinary clean-up and recovery costs.

In December 2017, QRA was recognised for its innovation in delivering the Brisbane River Catchment Flood Study (BRCFS) at the 2017 Premier's Awards for Excellence.

The BRCFS was a partnership between the Queensland Government and local governments, including representatives from QRA as well as the former Department of Infrastructure, Local Government and Planning and the Department of Natural Resources and Mines.

The BRCFS is the most comprehensive flood study ever undertaken in Australia. It incorporated 170 years of historical rainfall data and investigated 11,340 scenarios to produce Australia's first ever whole of catchment flood study.



Above: Satellite image of STC Debbie from the Bureau of Meteorology on the morning of 28 March 2017



Left: The Premier and Deputy Premier engaging with Rural Fire Services at the 2017 Get Ready Queensland Week Launch in October 2017

### 3.3 Program spotlights

#### Queensland Reconstruction Authority 2017 in review (Cont.)

In 2017, QRA also delivered the *Queensland Strategy for Disaster Resilience 2017* and the *State Recovery Plan 2017-19: Operation Queensland Recovery*.

*Operation Queensland Recovery* is the roadmap designed to help Queensland communities recover, reconnect and rebuild following the devastating effects of STC Debbie.

The *Queensland Strategy for Disaster Resilience 2017* provides a cohesive approach to building disaster resilience throughout the state, with the stated vision of “Making Queensland the most disaster resilient state in Australia”.

In line with this aim, in September 2017, QRA assumed responsibility of the 2017-18 Get Ready Queensland program, providing the state’s 77 councils and one town authority with \$2 million in funding to help their communities prepare for natural disasters.

In October 2017, Get Ready Queensland Week was launched by the Premier and Deputy Premier in King George Square, kicking off a week of activities around the state. Local councils have been driving their campaigns around the state, ensuring their communities are prepared for storm season.

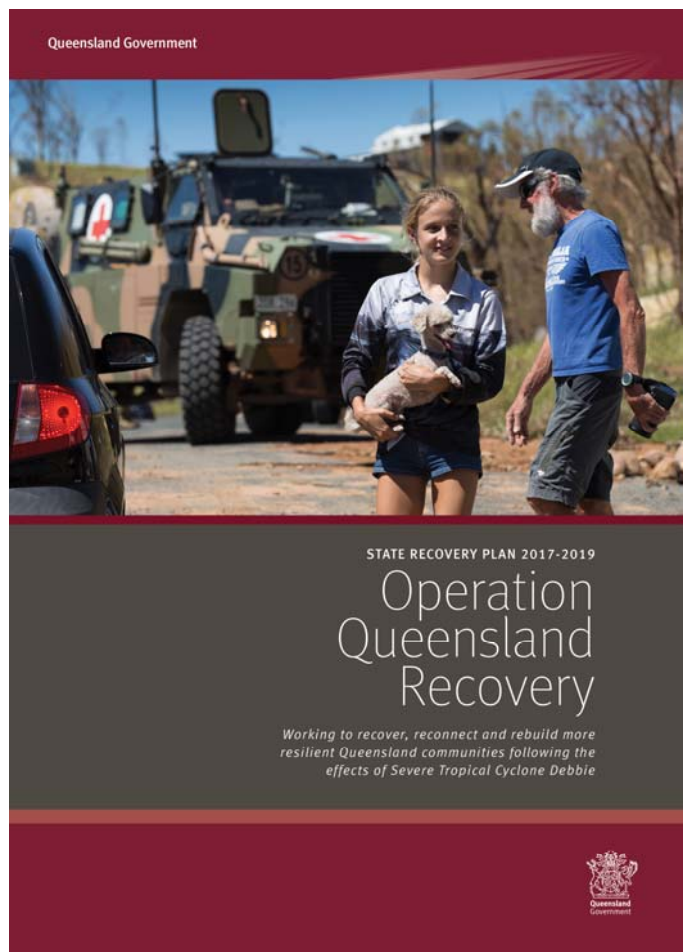
The Get Ready Queensland campaign provides us with a solid platform to continue building our states resilience as we learn to respond, adapt and develop strategies to prepare for the next inevitable disaster.



Above: *Queensland Strategy for Disaster Resilience 2017*



Above: *The team behind the Brisbane River Catchment Flood Study recognised for innovation at the 2017 Premier’s Awards for Excellence including Melissa Dixon and Graeme Milligan from QRA (far right) .*



Above: *State Recovery Plan 2017-19: Operation Queensland Recovery*

### 3.3 Program spotlights (continued)

#### TMR

### Slope monitoring puts safety first at Sarina Range

As repairs progress at the main landslip site on Sarina Range – after the slope was weakened by the effects of Severe Tropical Cyclone Debbie in March 2017 – Transport and Main Roads has installed a monitoring system to ensure safety during reconstruction.

The automated surveying technology is being trialled to monitor slope movement at the site and other landslips on the range. The monitoring system checks for relative movement of unstable areas and sends an alert if movement of more than five millimetres is detected, enabling the site to be evacuated if required.

Readings from the unstable slope zone are taken at pre-set intervals determined by the geotechnical engineer.

Data from a network of sensors set up around the landslip site is captured in cloud storage, then transferred to the on-site instrument station. The station can produce maps, tables, charts and reports.

Following local rainfall in mid-October 2017, movement of approximately 10–12mm was detected at one site on the Sarina Range, prompting a safety check before work resumed.

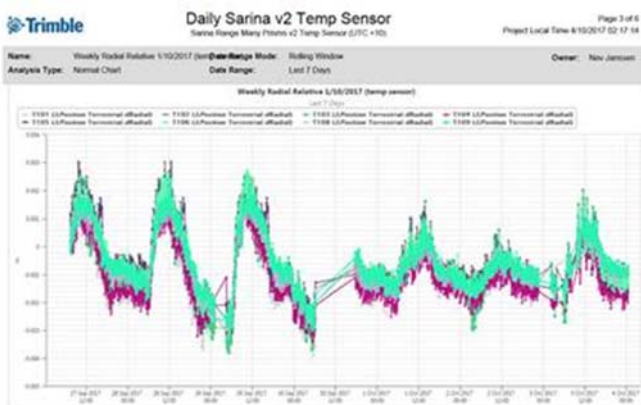
The monitoring system will remain in place throughout reconstruction on the Sarina Range, which is expected to be completed by December 2018, weather permitting.



Monitoring station at Sarina Range main landslip site (above)



Sensor installed upslope to monitor movement (above)



Data report from Sarina Range slope monitoring system (above)



Instrument station at Sarina Range (above)



Soil nailing on upper slope at Sarina Range (left)

### 3.3 Program spotlights (continued)

#### North Burnett Regional Council North Burnett community members take the lead on disaster preparation

Over the past eight years, the North Burnett region has been hit by seven major natural disaster events, including Cyclones Oswald (2013), Marcia (2015) and Debbie (2017) with an estimated total clean-up bill of more than \$150 million.

In response, service providers of North Burnett have joined forces to establish one of the state's first 'community disaster recovery teams' to take the lead on preparing the region for the next disaster.

Established formally in October 2017 under the direction of North Burnett Regional Council, the recovery group has extensive experience in disaster management and recovery between them, having been at the centre of recovery efforts in recent years.

The members share a wealth of local knowledge and are well informed about the effects natural disasters can have on our region, making them well equipped to play a major role in preparation, response and recovery efforts during future disaster events.

The group has developed a 'Recovery Plan for the Cumulative Impacts of Disasters' which will support the community on its journey through recovery, assist with building resilience, and advise how to plan and prepare for future events.

North Burnett Regional Council Mayor, Rachel Chambers said she was thrilled to have the team on board and was looking forward to working together on all elements of disaster preparedness.

"When it comes to disaster recovery, there is no question about the importance of a collaborative approach by governments, local authorities and local communities to ensure a rapid and effective recovery.



*Above: Severe flooding in Monto following Cyclone Marcia*

"As individuals, we also have a responsibility to ensure our community is prepared and able to be as self-sufficient as possible, particularly during the height of an emergency situation.

"That is why a recovery group is vital for the North Burnett region, not only so local residents have the knowledge and resources to be prepared, but to also be on the ground to coordinate recovery efforts and ensure our community is ready for future disaster events.

"This is a wonderful initiative and we are so grateful to the members for their goodwill and generosity – on behalf of the North Burnett community, we thank you for your invaluable commitment to strengthening our community."



*Above: North Burnett Regional Council CEO Mark Pitt, Mayor Rachel Chambers and Deputy Mayor Faye Whelan at the Recovery Group meeting in December*



*Above: Aerial photo of Mundubbera following Tropical Cyclone Oswald*

## **Section four: Communications**



## 4.0 Communications

QRA is focused on building stakeholder confidence in reconstruction by ensuring consistent and regular communication of public information.

From 22 August 2017, the QRA received administrative responsibility for the *Get Ready Queensland* campaign to assist Queenslanders prepare for storm and cyclone season. This campaign aligns with QRA's vision to build a more disaster-resilient Queensland.

### 4.1 Communicating progress

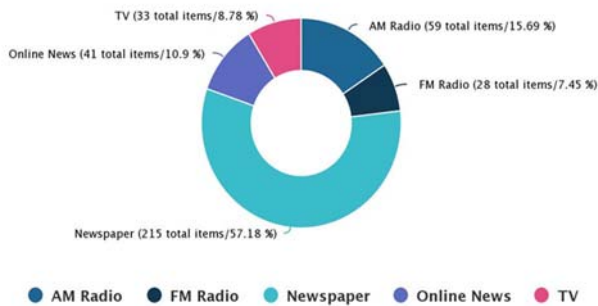
#### Media analysis

There were a total of 376 media items in December 2017 (215 print, 33 TV, 87 radio, 41 online) as shown in the graph below, which reached a cumulative audience of 11.7 million people. This is slightly lower than coverage in November 2017 (385 media items).

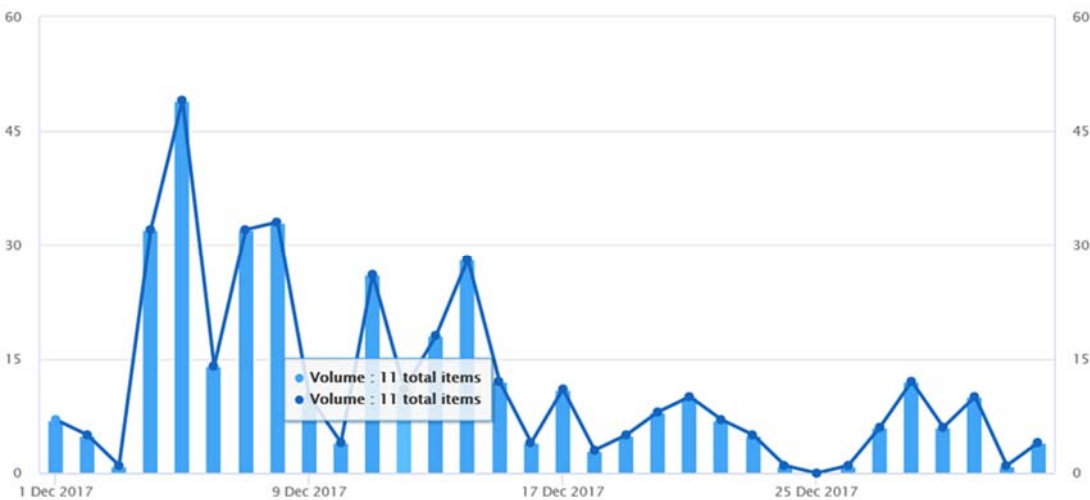
Peak media coverage was on 5 December 2017 with articles regarding the class action against the management of the Wivenhoe and Somerset Dams during the 2011 Queensland floods.

#### Media type breakdown - volume

Media Type Breakdown – Volume



#### Peak media coverage



#### Social Media

- **QRA LinkedIn** – As at 31 December 2017, the QRA LinkedIn account had 238 followers, an increase of 155 per cent from the previous 30 days. Three posts were provided with the most effective receiving 5054 impressions and 50 likes.
- **Get Ready Queensland Facebook** – During December, the Get Ready Queensland Facebook page added 22 posts. From 1 – 31 December 2017, this page received 285 views, 24 page likes and reached 8527 people. 829 people actively engaged with the posts.
- **Get Ready Queensland Twitter** – As at 31 December, the Get Ready Queensland Twitter account had 1,233 followers.

Source: QRA at 31 December 2017

## 4.1 Communicating progress (Cont.)

### Communications

QRA keeps its stakeholders and the community informed and ensures access to the latest information regarding the reconstruction effort through its website, social media, phone hotline and management of correspondence.

### Website

QRA's website is regularly updated with information on the progress of current recovery efforts.

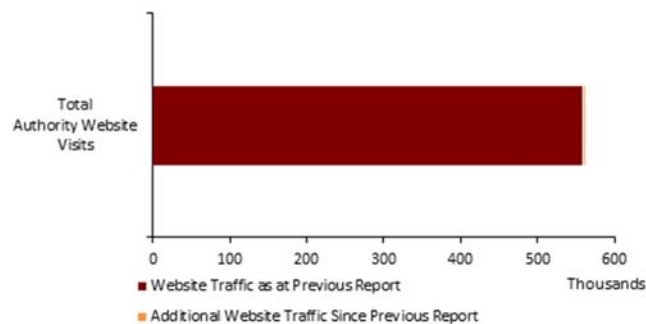
During December 2017, there were 3,247 unique visits to qldra.org.au. This is an increase of 21 per cent compared to December 2016 (2,680). The Get Ready Queensland website is now also managed by the QRA – helping to engage and assist Queensland communities prepare for storm and cyclone season. There were 968 unique visits to the homepage of getready.qld.gov.au and 4,115 total unique page views during December 2017.

### Hotline and correspondence

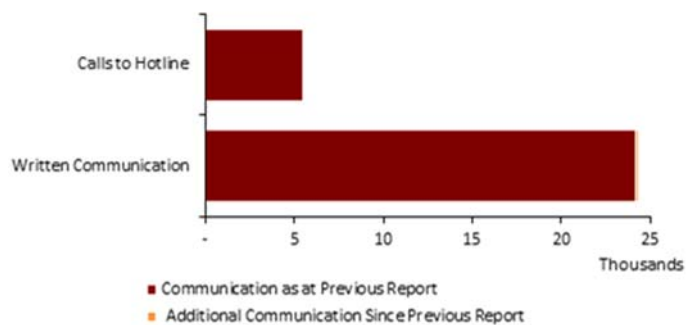
In December, QRA received an additional 31 calls to our dedicated hotline and managed 179 pieces of written correspondence.

### Website & Communications Traffic

#### Website traffic



#### Communications



## 4.2 Media reports

### Last chance to apply for Category C funding as deadline approaches

Kyle Evans

LOCAL entities seeking compensation after Cyclone Debbie are being reminded that the deadline for the Category C grants is now only three weeks away.

January 12 will be the last day that primary producers, small businesses and not-for-profit organisations can lodge applications to receive up to \$25,000 in relief funds.

The money is non repayable and has helped a great deal of people to mitigate the financial hardship suffered by their organisation as a result of the cyclone.

"We've handed out \$20.5 million to small business, primary producers and non for profits," said Regional Area Manager of the Queensland Rural and Industry Development Authority, Sam Spina.

"I've been here his week to help people do some applica-

tions and I'll be back in Bowen on January 8 for the final week."

The grants are State Government funded that are provided by the Queensland Rural and Regional Development Authority.

The application process is as simple as providing name, address, account details, and a description of the damage that occurred.

Then it's a matter of providing invoices or receipts for money that has been spent on repairs and you can claim up to \$25,000.

Mr Spina said the grants had helped many organisations get back on their feet since the disaster.

"People have been really happy with the money they have received. We understand that in some cases, \$25,000 was never going to be enough to recover everything, but it's a

big help. "And people that have received it said it has helped." To apply, contact Sam Spina on 0740642824 or email sam.spina@qrida.qld.gov.au



The Bowen Tennis Association was one of many organisations that sustained damage during Cyclone Debbie.

Bowen Independent, Bowen – 20 December

Source: QRA at 30 November 2017

## 4.0 Communications (cont.)

## 4.2 Media reports

Atherton Tablelander – 19 December



SUMMER WEATHER SURVIVAL GUIDE 23

### A history of disaster

Australia is no stranger to natural disasters, with millions weather-todging the national character on a regular basis. Here are some of the biggest disasters to hit our nation over the years.

#### DROUGHT

**1979-83**  
Four years of drought led to unprecedented low rainfall across central and eastern Australia in 1982-83, contributing to the 1983 Ash Wednesday bushfires in Victoria and South Australia.

**1991-96**  
Several major reservoirs ran dry and others fell to critical levels during this drought in northeast NSW and much of Queensland.

**1996 and 2010**  
The Millennium Drought severely affected the Murray Darling basin and much of southern Australia.

#### FIRE

**1967**  
With southern Australia in the grip of severe drought, the rapid across southern Tasmania on the morning of February 7, 81 Hobart, 62 people died.

**1983 Ash Wednesday**  
On Wednesday, February 16, about 800 bushfires burned across southern Australia, resulting in 47 deaths in Victoria and 28 in South Australia.

**2003 Canberra**  
On January 18, firestorms rained

by high winds hit Canberra suburbs. Thousands of hectares of forest and parkland were burnt. Four people died.

**2009 Victoria**  
On February 2, extreme winds and temperatures contributed to as many as 400 fires affecting 78 towns in Victoria. 102 people were injured, 173 people died and 414 were injured.

**FLOODS**  
**1974**  
Floodwaters due to heavy rainfall from weakening Cyclone Wanda inundated Brisbane in January 1974. Fourteen people died, 56 homes were washed away and 1600 were submerged.

**1990**  
Flooding in April 1990 saw more than one million square kilometres of Queensland and NSW (and parts of Victoria) under water. About 60 people were injured and six were killed.

**2010-11**  
Beginning in December 2010, flooding forced the evacuation of thousands of Queenslanders. A fish flood in Townsville resulted in an "inland tsunami" which devastated communities in the Lockyer Valley. Thousands of houses in Ipswich and Brisbane were inundated as the Brisbane river rose and thousands of negatives were released from Wentworth Dam.

**2011**  
More than 1000mm of rain fell in 96 hours thanks to ex-Tropical Cyclone Oswald. In Bundaberg, the Burnett river rose to a record 9.5m, forcing a major evacuation.

**CYCLONES**  
**Cyclone Mahina, 1959**  
More than 400 people lost their lives in March 1959 when Cyclone Mahina smashed into Cape York.

**Cyclone Tracy, 1974**  
On Christmas Eve 1974, Cyclone Tracy dropped 100mm of rain on Darwin in less than one hour. Winds flattened the city and at least 66 people were killed. Many thousands were injured and out of a population of 43,000, 25,000 were left homeless.

**Cyclone Larry, 2006**  
The far north Queensland coast near Redland is a natural disaster zone after Tropical Cyclone Larry with multiple lives lost.

**2007**  
On March 20, the Category 5 cyclone registered winds of up to 200km/h, causing major damage but no loss of life.

**Cyclone Yasi, 2011**  
Tropical Cyclone Yasi crossed the north Queensland coast on February 3. At Mission Beach, wind gusts were estimated at 290km/h. No lives were lost.

**Cyclone Debbie, 2017**  
On March 28, Tropical Cyclone Debbie created the coast at Airlie Beach as a Category 4 system. Hamilton and Daydream Islands were devastated, with Airlie Beach and Proserpine sustaining significant damage. A wind gust of 255km/h at Hamilton Island, was the highest ever recorded in Queensland. As the cyclone became a low and headed south, major flooding was caused in Queensland and northeast NSW, with multiple lives lost.

**PAST BLASTS: A Darwin couple breaks from the clean-up in 1974 and (top) Brisbane mates during the '74 floods.**



## Get ready for storm season

STATE Emergency Service urges Tablelanders to be prepared for what may be a busy storm and cyclone season.

Far Northern SES regional director Wayne Coutts said it was important for residents to continue their preparation for storm and cyclone season, despite volunteers being ready to assist during an incident.

"Residents can start preparing their home by checking the condition of their roof, and cleaning gutters and downpipes so water can drain away during a downpour," Mr Coutts said. "Remember to keep trees and overhanging branches trimmed, as they can come down with strong winds and land on cars and homes."

"We recommend people move their cars undercover or away from trees and secure loose items, such as dog kennels, bikes and trampolines, to prevent them from turning into missiles if gale-force winds hit. You need to know where you can go if your house is damaged, who to call, your insurance information, medical conditions and ensure you have enough water and food on hand for at least three days."

**FOR MORE INFORMATION ON PREPARING FOR STORM AND CYCLONE SEASON VISIT [HTTPS://GET-READY.QLD.GOV.AU/](https://GET-READY.QLD.GOV.AU/)**



UNDER CONSTRUCTION: Airlie's safe-to-swim beach is receiving a sand transplant.

PHOTO: TAMERA FRANCIS

## Popular swim beach returning to glory

THE popular Roathaven Beach (commonly known as Beacons Beach) - Airlie's only all-tidal swimming spot - will be restored to its pre-Cyclone Debbie state just in time for Christmas.

New sand is being used to restore the beach to its former glory, the works jointly funded by the Commonwealth and Queensland governments

under the Natural Disaster Relief and Recovery Arrangements.

The beach is popular with tourists and locals as it has stinger nets and is within walking distance from the Airlie Beach main street.

Work started on Thursday, December 7, and will continue until this Sunday, delivering a large amount of sand to the

beach sourced from the Don River banks.

Sections of the beach are closed to the public, beginning at the western end and moving towards the east.

Whitsunday Mayor Andrew Wilcox said the project would make use of sand taken from the Don River in the north of the Whitsunday region. "We recognise Beacons

Beach is a popular tourist attraction for visitors to Airlie Beach and by replenishing the sand we are restoring our beautiful foreshore," he said.

"This is the first stage of restoring Beacons Beach, with the second stage expected to occur in April." The beach is also home to one of the region's most lavish homes, and the new One Airlie development.

Whitsunday Times, Airlie Beach – 21 December 2017

## Ready for disasters

Council puts together its recovery team

Jack Lavelle  
jack.lavelle@burnett.qld.gov.au

SERVICE providers of North Burnett have joined forces to establish one of the state's first community disaster recovery teams, which is taking the lead on preparing the region for the next disaster.

Established in October 2017 under the direction of North Burnett Regional Council, the group has many years of combined

experience in disaster management and recovery between them.

North Burnett Mayor Rachel Chambers said it was an important step towards ensuring local communities are prepared ahead of storm season.

"Severe weather is a natural part of living in the North Burnett region, and

over the past eight years we have been hit by seven major natural disaster events, including cyclones Oswald, Marcia and Debbie, with an estimated total clean-up bill of more than \$150 million," Cr Chambers said.

"While there is little we can do to stop Mother Nature in her tracks, we

cannot sit back and wait for her wrath before we take action."

The group has developed a Recovery Plan for the Cumulative Impacts of

Disasters which will support the community on its journey through recovery following past events, and advise how to plan and

prepare for future events.

"While the establishment of the recovery group is a relatively new development, the members have been at the centre of recovery efforts in recent years and are well informed about the effects natural disasters can have on our region," Cr Chambers said.

Last week, the council proposed its intention to improve communication during a disaster.

Central & North Burnett Times, Kingaroy – 21 December 2017

# Shute ship shape in new year

WORK on Shute Harbour's eagerly-anticipated \$22 million upgrade is expected to start in earnest early next year.

The tender for the demolition of the Lloyd Roberts Jetty will be released shortly with the first workers expected on site by February or March.

The funding also provides for the design and reconstruction of the following:

- New terminal with toilets
- New storage sheds
- Fuel facility (new ULP tank)
- Bus stop
- Landscaping
- Car park reconfiguration
- New floating pontoon (ferry terminal)
- Seawall repair

Whitsunday Regional Council said the NDRRA money must be allocated by June 30, 2019, so all work needs to start in 2018 to comply with the funding

requirements. Concept development for the listed projects has begun and is expected to be presented to the council early next year for approval.

Construction is expected to start as early as September next year and will go through until early June 2019 to coincide with the funding deadline.

Environmental and development approvals are being progressed through the State Government and the council, and will be in place before each stage of the works begin.

"The Shute Harbour Restoration Project's objective is to re-establish the harbour's commercial functionality without restricting the ability to meet future requirements of the site," said a council spokesperson.

"By future-proofing the facility, we can make sure we budget appropriately for any upcoming development at Shute Harbour."

## Callide crossing reopens

LINKS Road Crossing, the direct route from Biloela to Callide Power Station and Batchfire Mine, is scheduled to reopen late next week.

The low level crossing across Callide Creek has been closed to traffic for 10 months and has been damaged several times during flood.

Banana Shire Mayor Nev Ferrier said the new crossing had been lowered to be more disaster-resilient which means there would, at times, be water over the crossing.

"During these times motorists must be vigilant and follow speed and road closed signs as directed," Cr Ferrier said.

The crossing upgrade was through the 2015 Betterment Fund.

Central Telegraph, Biloela – 1 December

# Are you prepared?

North Burnett SES is ready to assist

Erica Murree  
erica.murree@burnett.qld.gov.au

THE North Burnett SES Unit is fully prepared for the 2017-18 storm season, having been activated on many occasions already over the past couple of months in Monto, Mundubbera, Gayndah, Eidsvold, Mount Perry and Biggenden.

North Burnett SES local controller Brian Lowe said although the heavy rain could create havoc, it's when combined with high winds that most of the damage occurred.

"For residents in flood-prone areas, the SES are happy to provide sand bags prior to the rains starting," he said.

"Just contact your local SES and they will supply the sand bags for you."

"Being prepared will

lessen the impact when the flooding starts."

Mr Lowe suggested residents have an evacuation plan in place.

"If you leave your place of residence, don't forget to tell someone of your movements in case relatives are concerned about you," he said.

"Check on your neighbours, make sure you have food and water for at least three days (don't forget the pets), a battery-operated radio for getting weather reports and a torch as you may lose power."

"Medications are often overlooked so ensure you have enough supplies to last for several days at all times."

All council offices and

your local SES group have "Get Ready" brochures available. Check the "Get Ready Queensland" website as there is helpful info available to the public.

The SES is available when needed. Phone 132 500 any time day or night for assistance during floods, storm damage and other emergency situations relating to natural disasters.

If it is a life or death situation phone 000.

**Farmer relief**  
FLOOD-affected primary producers in Gladstone can now apply for Category B Natural Disaster Relief and Recover Arrangements for freight subsidies and concessional loans. For more information visit Department of Agriculture and Fisheries website.

Whitsunday Times, Airlie Beach – 21 December 2017

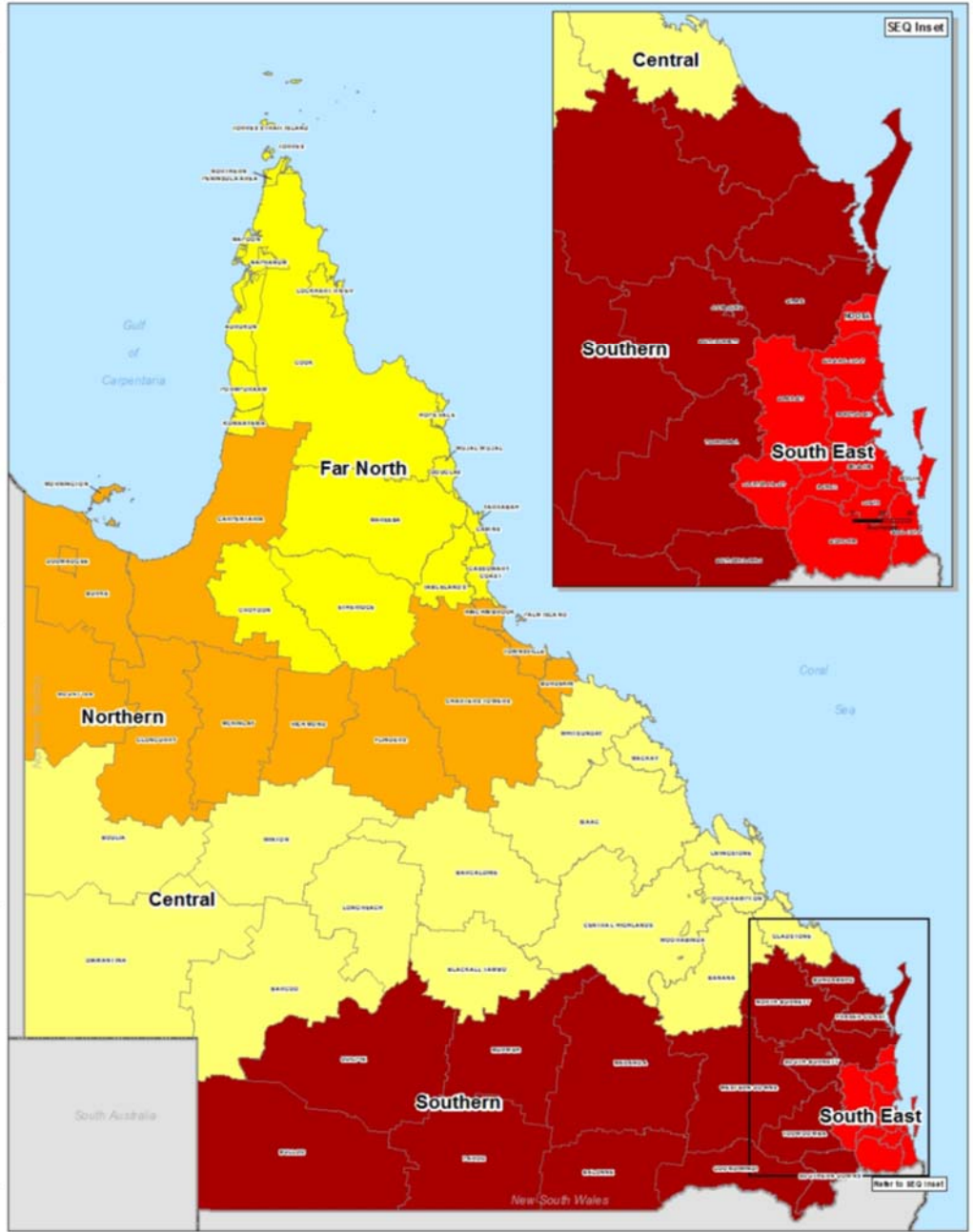
Gladstone Observer – 12 December



# Appendices

# Appendix A: Local Government Areas by Region

| Region                             | Local Government Areas (LGAs)         |  |
|------------------------------------|---------------------------------------|--|
| <b>Far North Queensland (FNQ)</b>  | ASC                                   | Aurukun Shire Council                    |
|                                    | CRG                                   | Cairns Regional Council                  |
|                                    | CCRC                                  | Cassowary Coast Regional Council         |
|                                    | CoSC                                  | Cook Shire Council                       |
|                                    | CrSC                                  | Croydon Shire Council                    |
|                                    | DSC                                   | Douglas Shire Council                    |
|                                    | ESC                                   | Etheridge Shire Council                  |
|                                    | HVASC                                 | Hope Vale Aboriginal Shire Council       |
|                                    | KASC                                  | Kowanyama Aboriginal Shire Council       |
|                                    | LRASC                                 | Lockhart River Aboriginal Shire Council  |
|                                    | MASC                                  | Mapoon Aboriginal Shire Council          |
|                                    | MbaSC                                 | Mareeba Shire Council                    |
|                                    | NASC                                  | Napranum Aboriginal Shire Council        |
|                                    | NPARC                                 | Northern Peninsula Area Regional Council |
|                                    | PASC                                  | Pormpuraaw Aboriginal Shire Council      |
|                                    | TRC                                   | Tablelands Regional Council              |
|                                    | TSC                                   | Torres Shire Council                     |
| TSIRC                              | Torres Strait Island Regional Council |  |
| WWASC                              | Wujal Wujal Aboriginal Shire Council  |  |
| YASC                               | Yarrabah Aboriginal Shire Council     |  |
| <b>North Queensland (NQ)</b>       | BrdSC                                 | Burdekin Shire Council                   |
|                                    | BrkSC                                 | Burke Shire Council                      |
|                                    | CSC                                   | Carpentaria Shire Council                |
|                                    | CTRC                                  | Charters Towers Regional Council         |
|                                    | CISC                                  | Cloncurry Shire Council                  |
|                                    | DASC                                  | Doomadgee Aboriginal Shire Council       |
|                                    | FSC                                   | Flinders Shire Council                   |
|                                    | HSC                                   | Hinchinbrook Shire Council               |
|                                    | McSC                                  | McKinlay Shire Council                   |
|                                    | MoSC                                  | Morrington Shire Council                 |
|                                    | MICC                                  | Mount Isa City Council                   |
|                                    | PIASC                                 | Palm Island Aboriginal Shire Council     |
|                                    | RSC                                   | Richmond Shire Council                   |
|                                    | TCC                                   | Townsville City Council                  |
|                                    | <b>Central Queensland (CQ)</b>        | BanSC                                    |
| BarRC                              |                                       | Barcaldine Regional Council              |
| BarSC                              |                                       | Barcoo Shire Council                     |
| BTRC                               |                                       | Blackall-Tambo Regional Council          |
| BOSC                               |                                       | Boulia Shire Council                     |
| CHRC                               |                                       | Central Highlands Regional Council       |
| DSC                                |                                       | Diamantina Shire Council                 |
| GSC                                |                                       | Gladstone Regional Council               |
| IRC                                |                                       | Isaac Regional Council                   |
| LSC                                |                                       | Livingstone Shire Council                |
| LRC                                |                                       | Longreach Regional Council               |
| MacRC                              |                                       | Mackay Regional Council                  |
| RRC                                |                                       | Rockhampton Regional Council             |
| WRC                                |                                       | Whitsunday Regional Council              |
| WSC                                |                                       | Winton Shire Council                     |
| WASC                               | Woorabinda Aboriginal Shire Council   |  |
| <b>Southern Queensland (SQ)</b>    | BaSC                                  | Balonne Shire Council                    |
|                                    | BSC                                   | Bulloo Shire Council                     |
|                                    | BRC                                   | Bundaberg Regional Council               |
|                                    | CASC                                  | Cherbourg Aboriginal Shire Council       |
|                                    | FCRC                                  | Fraser Coast Regional Council            |
|                                    | GoRC                                  | Goondiwindi Regional Council             |
|                                    | GRC                                   | Gympie Regional Council                  |
|                                    | MarRC                                 | Maranoa Regional Council                 |
|                                    | MuSC                                  | Murweh Shire Council                     |
|                                    | NBRC                                  | North Burnett Regional Council           |
|                                    | PSC                                   | Paroo Shire Council                      |
|                                    | QSC                                   | Quilpie Shire Council                    |
|                                    | SBRC                                  | South Burnett Regional Council           |
|                                    | SDRC                                  | Southern Downs Regional Council          |
|                                    | ToRC                                  | Toowoomba Regional Council               |
| WDR                                | Western Downs Regional Council        |  |
| <b>South East Queensland (SEQ)</b> | BCC                                   | Brisbane City Council                    |
|                                    | GCCC                                  | Gold Coast City Council                  |
|                                    | ICC                                   | Ipswich City Council                     |
|                                    | LVRC                                  | Lockyer Valley Regional Council          |
|                                    | LCC                                   | Logan City Council                       |
|                                    | MBRC                                  | Moreton Bay Regional Council             |
|                                    | NSC                                   | Noosa Shire Council                      |
| RCC                                | Redland City Council                  |  |
| SRRC                               | Scenic Rim Regional Council           |  |
| SRC                                | Somerset Regional Council             |  |
| SCRC                               | Sunshine Coast Regional Council       |  |



Disclaimer:  
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Queensland Reconstruction Authority

**Local Government Areas  
and QldRA Reporting Regions**

Scale at A4: 1:6,700,000

**Legend**

- Far North Queensland
- North Queensland
- Central Queensland
- Southern Queensland
- South East Queensland
- Local Government Areas

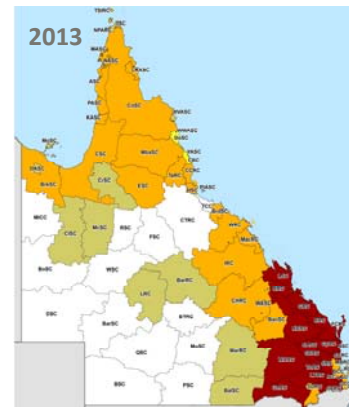
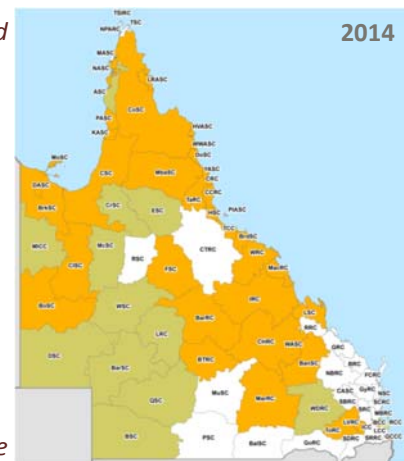
As at 5/02/2014

## Appendix B: NDRRA activations managed by QRA - 2007 to 2014 Events

### 2014 events

*Delivery and acquittal of works complete other than three LGA programs\* that received extensions of time for delivery)*

- Tropical Cyclone Ita & Associated Rainfall & Flooding, 11-14 April 2014
- Tropical Cyclone Gillian - 10 to 11 March 2014
- Central Coast & Southern Queensland Trough, 26-30 Mar 2014
- Central & Western Queensland Flooding & Rainfall, 18-28 February 2014\*
- North East Queensland Monsoonal Rainfall & Flooding - 7 to 9 February 2014\*
- Tropical Cyclone Fletcher, commencing 2 February 2014\*
- Far North Queensland Peninsula Flooding (27-31 Jan 2014)
- Tropical Cyclone Dylan, 31 January 2014
- North Stradbroke Island Fires, commencing 29 Dec 2013



### 2013 events

*(Delivery and acquittal of works complete other than three projects that received extensions of time for delivery)*

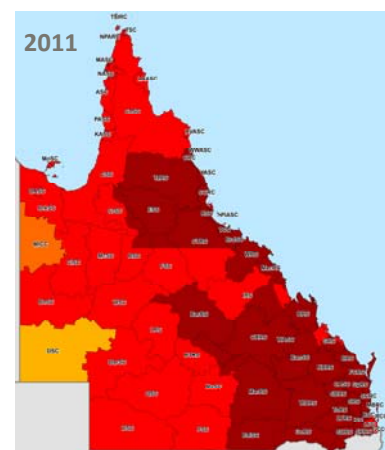
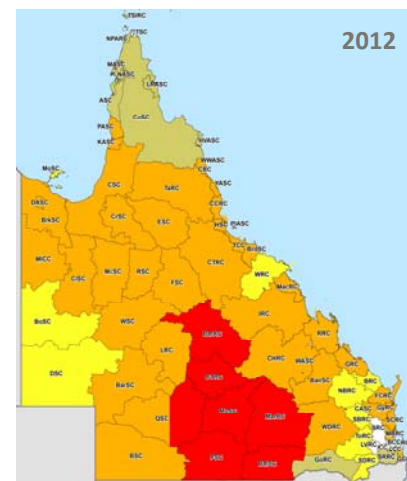
- South West Queensland Wildfires, 21 December 2012
- Far Northern Queensland Bushfires, late Oct - Dec 2012
- Tropical Cyclone Oswald & Associated Rainfall & Flooding, 21-29 January 2013<sup>#</sup>
- Longreach Flood, 18 February 2013
- Central & Southern Queensland Low, 25 Feb - 5 Mar 2013.

### 2012 events

*(Delivery and acquittal of works complete)*

- Queensland Bushfires, August to October 2011
- Localised Heavy Rainfall Northern Queensland, October 2011

- Southern Queensland Flooding, December to December 2011
- South East Queensland Heavy Rainfall and flooding, 23- 26 January 2012
- Western Queensland Tropical Low, January - February 2012
- Far Northern Queensland Tropical Low, 3-4 February 2012
- North Coast Queensland Storms & flooding & East Coast Hybrid Low, 24 Feb - 7 March 2012
- Northern & Far Northern Queensland Heavy Rainfall & flooding, 15 Mar 2012
- East Coast Low, 22 March 2012.



### 2011 events

*(Delivery and acquittal of works complete)*

- South West Flooding, April 2011
- Queensland Monsoonal Flooding Event, 28 February 2011
- Severe Tropical Cyclone Yasi on 2 February 2011
- Queensland Flooding & Tropical Cyclones Tasha & Anthony, Dec-2010 to February 2011.

### 2007-2010 events managed by QRA

*(Delivery and acquittal of works complete)*

- Queensland Monsoonal Flooding & Tropical Cyclones Olga, Neville, Ului and Paul, Jan to Apr 2010
- Northern, Central & South West Queensland Flooding, 22 December 2009 to 8 January 2010
- South West Flooding, 20 – 25 December 2009
- 2010 South East Queensland Flooding, 9-12 October 2010.
- Queensland Bushfires, September – October 2009

- South West Queensland Low and Associated Flooding, September 2010
- South East Queensland Low, May 2009
- Queensland Monsoonal flooding and Tropical Cyclone Charlotte and Ellie, January - February 2009
- Queensland storms and associated flooding, 16-22 December 2008
- South West Queensland flooding, June 2008
- Queensland Monsoonal flooding, February March 2008
- Queensland Monsoonal flooding, January 2008
- South East Queensland East Coast Low, 27 December 2007 - 7 January 2008
- Central Western Queensland storms and flooding, 22-30 December 2007
- South West Queensland storms and flooding, 23-30 November 2007
- South East and North Coast Queensland East Coast Low, August 2007.

